

Qualification Documentation

Alarm and Function Testing

Glaxowellcome Production

France

**CUC 2002**

Cartoning machine

Serial Number

Overall order no.

100223

3100001673

© ROTZINGER PharmaPack GmbH

All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

Title of Index	Chapter	Content	CUC 2002 Cartoning machine	Index no.
<b>Alarm and Function Testing</b>				<b>AFT</b>
<b>Alarm and Function Testing Plan</b>	1	References		<b>1</b>
	2	Introduction		
	3	Scope		
	4	Test philosophy		
	5	Test scope		
	6	Glossary		
	7	Appendix		
<b>Alarm and Function Testing Execution</b>	1	Software version		<b>2</b>
	2	Check HMI menu, buttons and switches		
	3	Access protection		
	4	Audit trail		
	5	Version management for recipe		
	6	Batch Management		
	7	Reports and print outs		
	8	Basic function		
	9	Alarm Function Tests		
	10	Notes		
<b>Alarm and Function Testing Report</b>				<b>3</b>

# Alarm and Function Testing Plan

**CUC 2002**

**Cartoning machine**

**100223**

**Glaxowellcome Production**

**France**

Creation of this document supported by:

**valicare**


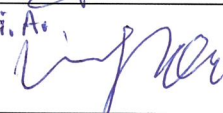

Valicare GmbH  
a Syntegon company  
Eschborner Landstraße 130-132

60489 Frankfurt a. Main  
Germany

[www.valicare.com](http://www.valicare.com)

## Alarm and Function Testing Plan

approval by Valicare GmbH and ROTZINGER PharmaPack GmbH (before execution)

Function	Name	Position/Company	Signature / Date
Created by	Lorena Fausten	Senior Validation Expert/ Valicare GmbH	 28. Mar. 2023
Reviewed and approved by	Andreas Harzer	Validation Project Manager / Valicare GmbH	i. A.  28. Mar. 2023
Reviewed and approved by	Florian Passow	Head of Documentation and Validation / ROTZINGER PharmaPack GmbH	i. A.  28. Mar. 2023

Alarm and Function Testing Plan approval by Glaxowellcome Production (before execution)

Function	Name	Position/Company	Signature / Date
Approved by			
Approved by			
Approved by			

## Document history:

4.0	28.Mar.2023	Version for approval Rev. 4.0, software changes after FAT 3	Lorena Fausten
3.0	17.Mar.2023	Version for approval Rev. 3.0, hardware and software changes after FAT 2	Lorena Fausten
2.0	19.Jan.2023	Version for approval Rev. 2.0, hardware and software changes after FAT 1	Lorena Fausten
1.0	05.Dec.2022	Version for approval	Lorena Fausten
<b>Rev.</b>	<b>Date</b>	<b>Description</b>	<b>Author</b>

## Table of contents

<b>1</b>	<b>References</b> .....	<b>4</b>
<b>2</b>	<b>Introduction</b> .....	<b>4</b>
<b>3</b>	<b>Scope</b> .....	<b>4</b>
<b>4</b>	<b>Test philosophy</b> .....	<b>5</b>
4.1	Test approach .....	5
4.2	Test structure .....	5
4.2.1	Access protection .....	5
4.2.2	Version management .....	6
4.2.3	Audit trail .....	6
4.3	Test procedure .....	7
4.4	Test prerequisites .....	7
4.5	Data to be recorded .....	7
4.6	Test result .....	7
4.7	Handwritten entries and comments .....	7
4.8	Deviation handling .....	8
4.9	Change control .....	8
4.10	Test summary .....	8
4.11	Personnel involved in testing .....	8
<b>5</b>	<b>Test scope</b> .....	<b>9</b>
<b>6</b>	<b>Glossary</b> .....	<b>9</b>
<b>7</b>	<b>Appendix</b> .....	<b>10</b>
7.1	Identification of all Personnel involved .....	10
7.2	Test scope .....	11
7.3	Deviation sheet .....	19
7.4	Change control sheet .....	20
7.5	Forms .....	21

## 1 References

No.	Title
[1]	Order confirmation
[2]	SOP-AG-06.013e: Qualification deviation procedure
[3]	SOP-AG-23.007e: Handwritten documentation for qualification
[4]	SOP-AG-24.006e: Procedure for change control
[5]	Alarm and Function Testing Report

## 2 Introduction

This document forms the Alarm and Function Testing of the ROTZINGER PharmaPack GmbH equipment installed at Glaxowellcome Production, France. The execution of this document shows that the product administration as well as faults, messages, warnings and software switches function correctly.

## 3 Scope

This document contains the Alarm and Function Testing Plan and the references necessary to collect and record the evidence that shows the CUC 2002, 100223 operates correctly.

The test results will be approved after completion of the Alarm and Function Testing Report.

## 4 Test philosophy

The following chapter describes the general test philosophy for this Alarm and Function Testing.

### 4.1 Test approach

The objective of this Alarm and Function Testing is to gather and document evidence that verifies that the ROTZINGER PharmaPack GmbH equipment operates according to the manufacturer's requirements and updated design documents.

The Alarm and Function Testing plan has been produced according to the agreed scope of supply in [1], which is based on current GMP requirements.

It will be approved prior to execution by ROTZINGER PharmaPack GmbH and Glaxowellcome Production representatives. After testing, and closing of the nonconformances, the Alarm and Function Testing report can be issued and approved.

All information for an individual test as well as any additional documentation used or collected during the Alarm and Function Testing execution, will be attached to the individual test protocols and annotated with the test number, date and initials (see [2]).

The agreed acceptance criteria for each test are defined in the test scope (see chapter 7.2).

### 4.2 Test structure

All qualification tests of this document have the following structure:

- Test title
- Test number
- Test objective
- Test prerequisites
- Test procedure
- Acceptance criteria
- Data to be recorded (if applicable)
- Test result(s)
- Comments
- Final test assessment

#### 4.2.1 Access protection

The machine software provides an access protection feature.

The access protection is connected to the customer network. In this special case, the user administration is not locally set, but as a domain, i.e. the Windows-domain, which is overlapping. This includes a multiple connection of different stations over one network.

An advantage of this administration system is that a new user can be added in the domain and all computers in the network dispose of this new user. User administration is simplified thereby.

#### User administration - domain

In the domain the user administration contains different levels:

- Groups: all users with the same characteristic parameters are summarized in a group and certain rights are assigned by the Administrator.
- User: A user is defined over its access data (user name, password)

Comment:

The configuration of user data is defined by the customers system and can not be set absolutely. As a reference the FDA 21 CFR Part 11/GMP Vol.4 Annex 11 provisions have to be maintained.

- The combination of user name and password is unique and allocated definitely to one access authorization.  
(FDA 21 CFR Part 11 §11.300(a)/GMP Vol.4 Annex 11: 12.1)
- Only the Administrator can create or disable, but not delete, a user name.  
(FDA 21 CFR Part 11 §11.300(b)/GMP Vol.4 Annex 11: 12.1)
- The password becomes invalid automatically after x days, the user receives pertinent information y days previous to this date - x,y parameters can be set by the Administrator.  
(FDA 21 CFR Part 11 §11.300(b)/GMP Vol.4 Annex 11: 12.1)
- Further settings, concerning structure and length of the password and the definition of forbidden passwords ("No-go-List" for passwords) are defined by the Administrator.
- Consequences referring to invalid inputs and the corresponding inhibition of the system by Administrator only.  
(FDA 21 CFR Part 11 §11.300(d)/GMP Vol.4 Annex 11: 12.3)

#### 4.2.2 Version management

Version management - format - product - recipe data

- When creating a new format, a count up "number" is generated (e.g. "1"; "2"; "3" ....), the format name can be renamed, the text is open for configuration (e.g. "Aspirin 50 mg")
- One format can include different drafts or released versions with corresponding machine setting parameters. For a newly created draft version, the (version) number is increased by 1. When the draft is released to "released version" it changes its status from draft to released. (e.g. Format 1 and released version 4 will be named version 1.004)
- Preset format parameters can only be changed in a draft version. The draft version can be released, a released version can be activated for production.
- Versions can be disabled by a user (definition per matrix), however only the Admin can delete versions. All existing versions are shown in the HMI.

#### 4.2.3 Audit trail

- All user actions related to process, quality and product as well as parameter changes must be recorded in the audit trail: e.g.:
  - Logon/logout of users, also invalid access attempts and system disable  
(FDA 21 CFR Part 11 §11.300(d)/GMP Vol.4 Annex 11: 12.1, 12.3)
  - Modifications of the access matrix  
(FDA 21 CFR Part 11 §11.10(d)/GMP Vol.4 Annex 11: 12.1, 12.3)
  - Faults, errors, message display
  - Creating, changing format/recipe data (filling/empty weights, ...)
  - Change of defaults of checking devices (code reader, camera, ...)
  - Checking devices On/Off
  - Options On/Off
  - Format change
  - Modifications of sizes / speeds / reject limits/ weights, ... relevant to product (machine speed, r.p.m, shift register ...)
  - Change of operating mode (Line, Automatic, Setup, ...)
- The audit trail is kept batch-related. A filter can be used to fade out events outside the batch (before and during interruptions of the batch).
- Example for batch-related: All events before starting the batch, during a batch interruption and during the batch are written to the audit trail, which is concluded at the end of the batch.
- If no batch management has been realized, the audit trails are managed by a different logical system, such as e.g. by days.
- Audit trails can be neither modified nor deleted.



- Audit trails are stored with a security system, any later entries/modifications are detected by the system (FDA 21 CFR Part 11 §11.10(c)/GMP Vol.4 Annex 11: 7.1, 12.1)
- All audit trail entries show the action, the complete user name, date and time (FDA 21 CFR Part 11 §11.10(e)/GMP Vol.4 Annex 11: 12.1, 12.3, 12.4)
- The audit trails can be according to criteria such as user, activity, date and time filtered and printed online.
- The user can enter a free comment to the log at any time, e.g. via the superimposed keyboard.
- The audit trails are part of the production report.

Example of an audit trail:

Time	User	Text
08/20/2020 3:11:44 pm	Maier	User logged on (name: group_xyyxx)
08/20/2020 3:12:44 pm	Maier	switch <30> Data from <off> to <on>
08/20/2020 3:15:44 pm	Maier	User logged out (name: group_xyyxx)

### 4.3 Test procedure

The procedure for executing each test is defined in the test scope table (see chapter 7.2) and/or in the test protocol.

### 4.4 Test prerequisites

If applicable the prerequisites for each test are listed in the test protocol.

### 4.5 Data to be recorded

A data specification that needs to be retained as documented evidence, will be stored in the relevant test procedure.

### 4.6 Test result

During test execution, individual test results have to be compared with the expected results, and an assessment has to be made for each acceptance criteria separately whether the result complies (yes) or does not comply (no).

A final assessment will close a test. "Results comply: Yes" (Passed) will be used if all acceptance criteria have been met. In case one or more acceptance criteria can not be met, the test will be assessed as failed ("Results comply: No").

The final assessment of a test (or retest) will then be recorded in the test scope (see chapter 7.2).

### 4.7 Handwritten entries and comments

Data entries, comments, corrections or signatures manually written onto the prepared test protocol will be performed in accordance with [3] into the rounded boxes of the document as the test is executed.

Example:

Any correction to handwritten data will be made by the person entering the data. Each page used for executing the qualification is to be signed and dated.

Data that is gathered by instrumentation onto a recorder will be printed and attached to a test protocol. Applicable data calculations will be transferred to a computer and the calculation will be printed and attached to a test protocol. All attachments will be signed by the responsible author.

#### 4.8 Deviation handling

All exceptions that are discovered during execution are to be entered into the deviations sheet according to [2] using the deviation sheet in chapter 7.3.

The deviation sheets are collected in the Alarm and Function Testing deviation chapter of the Alarm and Function Testing folder.

#### 4.9 Change control

Changes during the qualification activities of this document shall be treated according to GDP.

#### 4.10 Test summary

Status of the Alarm and Function Testing execution, and follow up actions after completion of the Alarm and Function Testing, are shown in [5].

#### 4.11 Personnel involved in testing

All personnel involved in the qualification activities of this document will be listed using the table in chapter 7.1.

## 5 Test scope

A list of tests to be performed including the test procedures and acceptance criteria to be used during the Alarm and Function Testing can be found in the table in chapter 7.2: Test scope.

Following execution, the completed table will contain the final result for each test. It will then be placed in the “test scope chapter”.

## 6 Glossary

AFT	Alarm and Function Testing
CFR	Code of Federal Regulations
FDA	Food and Drug Administration
FLT	Fault (message)
GDP	Good Documentation Practice
GMP	Good Manufacturing Practice
ME	Message
PLC	Programmable Logic Controller
QD	Qualification Documentation
SOP	Standard Operating Procedure
SWS	Software Switch
SWSOPM	Software Switch for Operation Mode
URS	User Requirement Specification
WA	Warning (message)
n.a.	not applicable

## 7 Appendix

### 7.1 Identification of all Personnel involved

All personnel involved in the qualification activities of this document will be listed in the table below and identified in the relevant test protocols.

The involved personnel must be authorized and familiar with the machine operation.

Name	Position/Company	Date	Signature	Initials

## 7.2 Test scope

A list of all tests to be performed during the Alarm and Function Testing (AFT), including information on the execution of the tests and acceptance criteria, are listed in the following table. After the execution of the tests, this table also contains all final results for each test.

The test protocols for the executed tests listed in the following table are filed as an appendix to the Alarm and Function Testing Plan in index 2 as “Alarm and Function Testing Execution”.

### Cartoning machine CUC 2002

No.	Test title	Acceptance criteria	Deviation (No.)	Results comply		
				Test (yes/no)	Retest (yes/no)	Date/Signature
1	Software version	<ul style="list-style-type: none"> <li>The software version is documented.</li> </ul>				
2	Check HMI menu, buttons and switches					
2.1	Spotcheck HMI	<ul style="list-style-type: none"> <li>HMI menu and page tab spotcheck is OK</li> </ul>				
3	Access protection					
3.1	USER CONFIGURATION FOR VALIDATION	<ul style="list-style-type: none"> <li>User settings are adjusted according to data of table</li> </ul>				
3.2	(Domain) Log-in	<ul style="list-style-type: none"> <li>No function can be actuated until a valid user is logged in</li> <li>Successful login, functions can be induced</li> <li>Only one user can be logged in at a time</li> </ul>				
3.3	(Domain) Automatic log-out	<ul style="list-style-type: none"> <li>Automatic logout after x minutes inactivity x = _____</li> <li>Entry to audit trail that user has been logged out automatically</li> </ul>				

No.	Test title	Acceptance criteria	Deviation (No.)	Results comply		
				Test (yes/no)	Retest (yes/no)	Date/Signature
3.4	(Domain) Log-out	<ul style="list-style-type: none"> <li>No operation can be actuated</li> <li>Entry to audit trail about the implemented steps</li> </ul>				
4	Audit trail					
4.1	Audit trail entries (parameter)	<ul style="list-style-type: none"> <li>All entries show the activity, user name, date and time correctly</li> </ul>				
4.2	Audit trail entries	<ul style="list-style-type: none"> <li>All entries in the audit trail show the activity, user name, date and time</li> <li>The entries can be filtered and printed online based on various criteria (user, activity, date and time)</li> <li>Entries can not be modified or deleted</li> </ul>				
5	Version management for recipe					
5.1	Version management in case of new recipe (product version)	<ul style="list-style-type: none"> <li>When creating a new recipe, it will be generated with the designation count up number "x"; a new version with count up number "y"</li> <li>After enabling the draft version (only) the status changes</li> </ul>				
5.2	Disable recipe version (product data)	<ul style="list-style-type: none"> <li>Versions can be deleted or disabled</li> <li>When the corresponding filters are selected, all existing versions are open for viewing</li> <li>Entry to audit trail is correct</li> </ul>				
5.3	Recipe versions for production	<ul style="list-style-type: none"> <li>Disabled recipe versions can not be activated for production</li> <li>Only recipe versions with status "Draft" or "Enabled" can be activated for production</li> </ul>				

No.	Test title	Acceptance criteria	Deviation (No.)	Results comply		
				Test (yes/no)	Retest (yes/no)	Date/Signature
5.4	Create new recipe on the basis of an existing recipe version	<ul style="list-style-type: none"> <li>A new recipe can be created on the basis of an existing recipe version</li> <li>A new draft version can be created on the basis of a current recipe version</li> </ul>				
5.5	Delete disabled recipe version	<ul style="list-style-type: none"> <li>Status of selected recipe version changes to "Deleted"</li> <li>Deleted recipe versions can no longer be enabled or activated</li> </ul>				
6	Batch Management					
6.1	Create new batch	<ul style="list-style-type: none"> <li>A new batch can only be created if previous batch has been completed</li> </ul>				
6.2	Start batch	<ul style="list-style-type: none"> <li>Only the new created batch can be started</li> </ul>				
6.3	Interrupt and resume batch	<ul style="list-style-type: none"> <li>Batch can be interrupted and resumed</li> </ul>				
6.4	Complete batch	<ul style="list-style-type: none"> <li>After batch is completed, batch data can be saved or printed and batch cannot be resumed again</li> </ul>				
6.5	Batch history	<ul style="list-style-type: none"> <li>"Batch history" displays when and by whom status of batch has been changed</li> </ul>				
6.6	Store batch data	<ul style="list-style-type: none"> <li>Batches are stored as .zip-file in selected folder with correct name (+ date and time)</li> </ul>				
6.7	Restore batch data	<ul style="list-style-type: none"> <li>Batch is restored from .zip-file and listed in "Batch management"</li> </ul>				

No.	Test title	Acceptance criteria	Deviation (No.)	Results comply		
				Test (yes/no)	Retest (yes/no)	Date/Signature
6.8	Delete batch data	<ul style="list-style-type: none"> <li>Batches with status “Restored“ can be deleted from “Batch management“</li> <li>Batches with status “Stored“ can be deleted from “Batch management“</li> <li>Batches with status “Completed“ can not be deleted from “Batch management“</li> </ul>				
6.9	Print history of batch data	<ul style="list-style-type: none"> <li>Recipe data and results can be viewed and printed</li> </ul>				
6.10	Print batch data	<ul style="list-style-type: none"> <li>Batch data can be printed when active batch is completed or after a batch has been selected for history</li> <li>Batch data can be printed on connected printer</li> <li>Batch data can be exported to a selected folder as .pdf-file</li> </ul>				
7	Reports and print outs					
7.1	Batch print out	<ul style="list-style-type: none"> <li>Batch data can be printed (as pdf-file) after a batch has been selected for history</li> <li>Batch data can be exported</li> </ul>				
7.2	Parameter: Machine settings (Recipe)	<ul style="list-style-type: none"> <li>Print out from the machine settings (Recipe) is possible</li> </ul>				
7.3	User right print out	<ul style="list-style-type: none"> <li>It is possible to print or save the user rights</li> </ul>				
8	Basic function					



No.	Test title	Acceptance criteria	Deviation (No.)	Results comply		
				Test (yes/no)	Retest (yes/no)	Date/Signature
8.1	Service: Clean Display	<ul style="list-style-type: none"> <li>Display turns grey and no touch input can be done</li> <li>After 30 seconds the HMI appears again</li> </ul>				
8.2	Alarmlists	<ul style="list-style-type: none"> <li>Lists of the Faults, Warnings and Messages can be selected</li> <li>Lists of Faults, Warnings and Messages can be printed or saved as pdf</li> </ul>				
8.3	Operating hours counter	<ul style="list-style-type: none"> <li>Operating hours counter is shown</li> </ul>				
8.4	Parameter limits	<ul style="list-style-type: none"> <li>A value greater than the maximum limit cannot be confirmed</li> <li>A value smaller than the minimum limit cannot be confirmed</li> <li>A value between the minimum and maximum limit can be confirmed</li> </ul>				
8.5	HMI Language	<ul style="list-style-type: none"> <li>The HMI language switches to the chosen language</li> </ul>				

For Chapter 9 note only the execution protocols where deviations occurred

9	Alarm Function Tests
---	----------------------

9.1	Test protocols - Function tests software switches operating mode (SWSOPM)
-----	---

Chap./ SWSOPM No.	Deviation No.	Chap/ SWSOPM No.	Deviation No.

9.2	Test protocols - Function tests software switches operating mode drive (SWSOPM_DRV)
-----	---

Chap./ SWSOPM No.	Deviation No.	Chap/ SWSOPM No.	Deviation No.

9.3	Test protocols - Function tests software switches (SWS )
-----	--

Chap./ SWS No.	Deviation No.	Chap./ SWS No.	Deviation No.

9.4	Test protocols - Messages (ME)
-----	--------------------------------

Chap./ ME No.	Deviation No.	Chap./ ME No.	Deviation No.

9.5	Test protocols - Warnings (WA)
-----	--------------------------------

Chap./ WA No.	Deviation No.	Chap./ WA No.	Deviation No.

9.6	Test protocols - Faults (FLT)
-----	-------------------------------

Chap./ FLT No.	Deviation No.	Chap./ FLT No.	Deviation No.

Comments	<div></div>	
Results comply	yes/no	Date/Initials
	<div></div>	<div></div>

### 7.3 Deviation sheet

After execution the filled in deviation sheets will be attached to this document and the final number of attached pages has to be documented.

Empty forms are in chapter 7.5 "Forms", page 21.

Number of attached pages: \_\_\_\_\_

## 7.4 Change control sheet

After execution the filled in change control sheets will be attached to this document and the final number of attached pages has to be documented.

Empty forms are in chapter 7.5 "Forms", page 21.

Number of attached pages: \_\_\_\_\_

## 7.5 Forms



### INFORMATION

Please use the following forms as master copies when a deviation sheet or a change control sheet is required.

Test phase: _____	Deviation sheet / <i>Formular für Abweichungen</i>	Deviation / <i>Abweichung</i> N° _____
----------------------	---	---

Referring to test (binder/chapter) /  
dazugehöriger Test (Ordner/Kapitel): \_\_\_\_\_

I) Description of the Deviation / <i>Beschreibung der Abweichung (Syntegon):</i>		
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>

II) Proposed solution / <i>Vorgeschlagene Lösung (Syntegon):</i>		
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>

III) Decision – follow up action (customer) / <i>Entscheidung - weitere Aktion (Kunde):</i>		
<input type="checkbox"/> Proposed solution accepted / <i>Vorgeschlagene Lösung akzeptiert</i>	<input type="checkbox"/> NOT accepted / <i>NICHT akzeptiert =&gt;</i> Comments / <i>Kommentar:</i>	
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>

IV) Result (customer) / <i>Ergebnis (Kunde):</i>		
<input type="checkbox"/> Conform and accepted / <i>konform und akzeptiert</i>  <input type="checkbox"/> NOT conform, but accepted / <i>NICHT konform aber akzeptiert</i> Rationale / <i>Begründung:</i>	<input type="checkbox"/> NOT conform and NOT accepted / <i>NICHT konform und NICHT akzeptiert =&gt;</i> Comments / <i>Kommentare:</i>	
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>

V) Deviation closed (customer and/or Syntegon) / <i>Abweichung vollständig bearbeitet (Kunde und/oder Syntegon):</i>		
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>



Test phase: _____	Deviation sheet / <i>Formular für Abweichungen</i>	Deviation / <i>Abweichung</i> N° _____
----------------------	---	---

Referring to test (binder/chapter) /  
dazugehöriger Test (Ordner/Kapitel): \_\_\_\_\_

I) Description of the Deviation / <i>Beschreibung der Abweichung (Syntegon):</i>		
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>

II) Proposed solution / <i>Vorgeschlagene Lösung (Syntegon):</i>		
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>

III) Decision – follow up action (customer) / <i>Entscheidung - weitere Aktion (Kunde):</i>		
<input type="checkbox"/> Proposed solution accepted / <i>Vorgeschlagene Lösung akzeptiert</i>	<input type="checkbox"/> NOT accepted / <i>NICHT akzeptiert =&gt;</i> Comments / <i>Kommentar:</i>	
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>

IV) Result (customer) / <i>Ergebnis (Kunde):</i>		
<input type="checkbox"/> Conform and accepted / <i>konform und akzeptiert</i>  <input type="checkbox"/> NOT conform, but accepted / <i>NICHT konform aber akzeptiert</i> Rationale / <i>Begründung:</i>	<input type="checkbox"/> NOT conform and NOT accepted / <i>NICHT konform und NICHT akzeptiert =&gt;</i> Comments / <i>Kommentare:</i>	
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>

V) Deviation closed (customer and/or Syntegon) / <i>Abweichung vollständig bearbeitet (Kunde und/oder Syntegon):</i>		
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>
Name:	Date / <i>Datum:</i>	Initials / <i>Handzeichen:</i>

Change Control Sheet / Formular für Change Control	Change Control N° _____
---	----------------------------

Referring documentation (binder/chapter) /  
dazugehörige Dokumentation (Ordner/Kapitel): \_\_\_\_\_

<b>I) Description / Beschreibung:</b>		
Reason for change / Grund der Änderung:		
<input type="checkbox"/> Re-Qualification necessary, if yes, how? / Requalifizierung nötig, wenn ja, wie?		
Name:	Date / Datum:	Initials / Handzeichen:

<b>II) Customer's comments / Kommentar des Kunden:</b>		
<input type="checkbox"/> Change accepted / Change akzeptiert  <input type="checkbox"/> NOT accepted, see comments / NICHT akzeptiert, siehe Kommentar	Comments / Kommentar:	
Name:	Date / Datum:	Initials / Handzeichen:

<b>III) Follow up action / Aktionsverfolgung:</b>		
<input type="checkbox"/> Re-Qualification executed / Requalifizierung durchgeführt		
Name:	Date / Datum:	Initials / Handzeichen:

<b>IV) Review:</b>		
Name:	Date / Datum:	Initials / Handzeichen:
Name:	Date / Datum:	Initials / Handzeichen:

Change Control Sheet / Formular für Change Control	Change Control N° _____
---	----------------------------

Referring documentation (binder/chapter) /  
dazugehörige Dokumentation (Ordner/Kapitel): \_\_\_\_\_

<b>I) Description / Beschreibung:</b>		
Reason for change / Grund der Änderung:		
<input type="checkbox"/> Re-Qualification necessary, if yes, how? / Requalifizierung nötig, wenn ja, wie?		
Name:	Date / Datum:	Initials / Handzeichen:

<b>II) Customer's comments / Kommentar des Kunden:</b>		
<input type="checkbox"/> Change accepted / Change akzeptiert  <input type="checkbox"/> NOT accepted, see comments / NICHT akzeptiert, siehe Kommentar	Comments / Kommentar:	
Name:	Date / Datum:	Initials / Handzeichen:

<b>III) Follow up action / Aktionsverfolgung:</b>		
<input type="checkbox"/> Re-Qualification executed / Requalifizierung durchgeführt		
Name:	Date / Datum:	Initials / Handzeichen:

<b>IV) Review:</b>		
Name:	Date / Datum:	Initials / Handzeichen:
Name:	Date / Datum:	Initials / Handzeichen:

## Alarm and Function Testing Execution

**CUC 2002**

**Cartoning machine**

**100223**

**Glaxowellcome Production**

**France**

## Table of contents

<b>1</b>	<b>Software version</b>	<b>9</b>
<b>2</b>	<b>Check HMI menu, buttons and switches</b>	<b>10</b>
2.1	Spotcheck HMI	10
<b>3</b>	<b>Access protection</b>	<b>11</b>
3.1	USER CONFIGURATION FOR VALIDATION	11
3.2	(Domain) Log-in	12
3.3	(Domain) Automatic log-out	14
3.4	(Domain) Log-out	15
<b>4</b>	<b>Audit trail</b>	<b>16</b>
4.1	Audit trail entries (parameter)	16
4.2	Audit trail entries	18
<b>5</b>	<b>Version management for recipe</b>	<b>20</b>
5.1	Version management in case of new recipe (product version)	20
5.2	Disable recipe version (product data)	22
5.3	Recipe versions for production	25
5.4	Create new recipe on the basis of an existing recipe version	27
5.5	Delete disabled recipe version	28
<b>6</b>	<b>Batch Management</b>	<b>29</b>
6.1	Create new batch	29
6.2	Start batch	30
6.3	Interrupt and resume batch	31
6.4	Complete batch	32
6.5	Batch history	33
6.6	Store batch data	34
6.7	Restore batch data	36
6.8	Delete batch data	38
6.9	Print history of batch data	40
6.10	Print batch data	41
<b>7</b>	<b>Reports and print outs</b>	<b>43</b>
7.1	Batch print out	43
7.2	Parameter: Machine settings (Recipe)	45
7.3	User right print out	46
<b>8</b>	<b>Basic function</b>	<b>47</b>
8.1	Service: Clean Display	47

8.2	Alarmlists .....	48
8.3	Operating hours counter .....	49
8.4	Parameter limits .....	50
8.5	HMI Language .....	51
<b>9</b>	<b>Alarm Function Tests .....</b>	<b>52</b>
9.1	Test protocols - Function tests software switches operation mode (SWSOPM) .....	57
9.1.1	SWSOPM 1: AUTOMATIC .....	57
9.1.2	SWSOPM 2: SETUP .....	59
9.1.3	SWSOPM 3: INCHING PANEL .....	61
9.1.4	SWSOPM 4: INCHING CABLE .....	63
9.1.5	SWSOPM 6: OPEN STOP BRAKE .....	65
9.1.6	SWSOPM 7: ZERO DRIVE .....	66
9.1.7	SWSOPM 8: INCHING SINGLE AXIS .....	67
9.1.8	SWSOPM 11: INCHING INFEED .....	69
9.1.9	SWSOPM 60: LINE MODE DOWNSTREAM EQUIPMENT .....	71
9.1.10	SWSOPM 62: MACHINE: AUTOMATIC RESTART .....	73
9.1.11	SWSOPM 63: LINE MODE UPSTREAM EQUIPMENT .....	75
9.2	Test protocols - Function tests software switches operation mode drive (SWSOPM_DRV) .	77
9.2.1	SWSOPM_DRV 1002: INSERTION .....	77
9.2.2	SWSOPM_DRV 1003: PREINSERTION HORIZONTAL .....	78
9.2.3	SWSOPM_DRV 1004: PREINSERTION VERTICAL .....	79
9.2.4	SWSOPM_DRV 1007: CARTON SETUP .....	80
9.2.5	SWSOPM_DRV 1008: LEAFLET DEVICE .....	81
9.2.6	SWSOPM_DRV 1015: MAIN DRIVE .....	82
9.2.7	SWSOPM_DRV 1016: INSERTION TABLE .....	83
9.2.8	SWSOPM_DRV 1017: CARTON ALIGNMENT .....	84
9.2.9	SWSOPM_DRV 1054: ROBOT 1: DRILL AXIS .....	85
9.2.10	SWSOPM_DRV 1055: ROBOT 1 .....	86
9.2.11	SWSOPM_DRV 1059: ROBOT 2: DRILL AXIS .....	87
9.2.12	SWSOPM_DRV 1060: ROBOT 2 .....	88
9.2.13	SWSOPM_DRV 1061: ROBOT 1: CYCLE BELT 1 .....	89
9.2.14	SWSOPM_DRV 1062: ROBOT 1: CYCLE BELT 2 .....	90
9.3	Test protocols - Function tests software switches (SWS) .....	91
9.3.1	SWS 52: COMPRESSED AIR .....	91
9.3.2	SWS 53: PERMANENT READING CODE .....	93
9.3.3	SWS 54: VACUUM .....	95
9.3.4	SWS 56: MACHINE INSIDE LIGHT OFF .....	97
9.3.5	SWS 100: INSERT DEFECTIVE PRODUCT .....	98
9.3.6	SWS 106: CONTINUOUS INSERTION .....	100
9.3.7	SWS 119: CONTINUOUS PREINSERTION .....	102
9.3.8	SWS 120: PREINSERTION UPPER FRONT POSITION .....	104
9.3.9	SWS 121: PREINSERTION PLATE 1 DOWN .....	106
9.3.10	SWS 122: PREINSERTION PLATE 2 DOWN .....	108

9.3.11	SWS 123: PREINSERTION PLATE 3 DOWN .....	110
9.3.12	SWS 124: PREINSERTION PLATE 4 DOWN .....	112
9.3.13	SWS 127: PREINSERTION .....	114
9.3.14	SWS 200: CODE READER CARTON .....	116
9.3.15	SWS 201: CARTON LASER PRINTING .....	118
9.3.16	SWS 203: BLOWING AIR CARTON .....	120
9.3.17	SWS 208: CONTINUOUS CALL CARTON .....	122
9.3.18	SWS 256: CHECK CARTON OPEN COVER FLAP .....	124
9.3.19	SWS 257: CHECK CARTON OPEN SIDE FLAP .....	126
9.3.20	SWS 300: LEAFLET DEVICE .....	128
9.3.21	SWS 302: CODE READER LEAFLET REAR .....	129
9.3.22	SWS 303: CHECK LEAFLET PRESENT .....	131
9.3.23	SWS 304: INSERT DEFECTIVE LEAFLET .....	133
9.3.24	SWS 307: CONTINUOUS CALL LEAFLET .....	135
9.3.25	SWS 400: ROBOT 1 .....	137
9.3.26	SWS 401: ROBOT 1: RUN EMPTY .....	138
9.3.27	SWS 405: ROBOT 1: CALL PRODUCT .....	139
9.3.28	SWS 500: ROBOT 2 .....	140
9.3.29	SWS 505: ROBOT 2: CALL PRODUCT .....	141
9.3.30	SWS 900: BROCHURE INFEED .....	142
9.3.31	SWS 901: BROCHURE INFEED: CODE READER .....	143
9.3.32	SWS 902: BROCHURE INFEED: CONTINUOUS CALL .....	145
9.3.33	SWS 2001: ROBOT 2: RUN WITH FLOW-PACK .....	147
9.3.34	SWS 2002: CODE READER GLUED-IN BROCHURE .....	149
9.4	Test protocols - Messages (ME) .....	151
9.4.1	ME 25: BATCH CONTROL: BATCH IS INTERRUPTED .....	151
9.4.2	ME 26: BATCH CONTROL: BATCH IS NOT ACTIVE .....	152
9.4.3	ME 27: BATCH CONTROL: BATCH IS ACTIVE .....	153
9.4.4	ME 40: OPERATING MODE: AUTOMATIC .....	154
9.4.5	ME 41: OPERATING MODE: SETUP .....	155
9.4.6	ME 42: OPERATING MODE: INCHING MODE PANEL .....	156
9.4.7	ME 43: OPERATING MODE: INCHING MODE CABLE FRONT .....	157
9.4.8	ME 47: OPERATING MODE: INCHING MODE SINGLE AXES .....	158
9.4.9	ME 49: OPERATING MODE: INCHING MODE INFEED .....	159
9.4.10	ME 160: MACHINE: OPERATIONAL .....	160
9.4.11	ME 448: ROBOT 1: REFERENCE RUN .....	161
9.4.12	ME 548: ROBOT 2: REFERENCE RUN .....	162
9.5	Test protocols - Warnings (WA) .....	163
9.5.1	WA 27: CONTROL-PC: M-GUARD ENABLED .....	163
9.5.2	WA 28: CONTROL-PC: REMOTE MAINTENANCE ENABLED .....	164
9.5.3	WA 29: OPERATOR: NO USER LOGGED IN .....	165
9.5.4	WA 45: CONTROL CABINET: UPS NOT READY .....	166
9.5.5	WA 220: CARTON: PREWARNING LOW STOCK - IB32_B01 .....	167

9.5.6	WA 380: LEAFLET INSERTER TURRET MAGAZINE: PREWARNIN LOW LEVEL .....	168
9.5.7	WA 381: LEAFLET INSERTER TURRET MAGAZINE: NOT READY .....	169
9.5.8	WA 800: LEAFLET INSERTER : MINIMAL SUPPLY .....	170
9.5.9	WA 900: BROCHURE INFEED: MINIMAL SUPPLY .....	171
9.5.10	WA 980: BROCHURE INFEED: TURRET MAGAZINE: MINIMAL SUPPLY .....	172
9.5.11	WA 981: BROCHURE INFEED: TURRET MAGAZINE: NOT IN OPERATION MODE .....	173
9.5.12	WA 2001: ROBOT 1: UPLINE MACHINE IS NOT RUNNING .....	174
9.5.13	WA 2002: ROBOT 2: UPLINE MACHINE IS NOT RUNNING .....	175
9.5.14	WA 2003: ROBOT 2: DOWNLINE MACHINE IS NOT READY .....	176
9.6	Test protocols - Faults (FLT) .....	177
9.6.1	FLT 3: OPERATOR: NORMAL STOP ACTIVATED .....	177
9.6.2	FLT 4: OPERATOR: INCORRECT OPERATING MODE SELECTED .....	178
9.6.3	FLT 5: COMPRESSED AIR: MONITORING INLET PRESSURE .....	179
9.6.4	FLT 6: ETHERCAT: FAULT .....	180
9.6.5	FLT 7: COMPRESSED AIR: MONITORING SAFE SHUTDOWN .....	181
9.6.6	FLT 11: MOTION DRIVES: OVERLOAD POWER SUPPLY - IK00_Q10 .....	182
9.6.7	FLT 17: OPERATOR: OPERATING MODE CHANGE .....	183
9.6.8	FLT 22: VACUUM: OVERLOAD PUMP .....	184
9.6.9	FLT 23: VACUUM: MONITORING NEGATIVE PRESSURE .....	185
9.6.10	FLT 34: MACHINE: REPAIR SWITCH DRIVES SWITCHED OFF - IW00_Q02 .....	186
9.6.11	FLT 35: CONTROL CABINET: MONITORING MAIN SWITCH - IW00_Q01 .....	187
9.6.12	FLT 42: CONTROL CABINET S1: OVERTEMPERATURE - IW00_B13 .....	188
9.6.13	FLT 79: EMERGENCY STOP ACTIVATED: LINE .....	189
9.6.14	FLT 81: EMERGENCY STOP ACTIVATED: OPERATING PANEL - IF91_S90 .....	190
9.6.15	FLT 86: GUARD OPEN: BOTTOM [7] .....	191
9.6.16	FLT 87: GUARD OPEN: CARTON BELT [5] .....	192
9.6.17	FLT 88: GUARD OPEN: INSERTION REAR [20] .....	193
9.6.18	FLT 111: PRODUCT SENSING: CONSECUTIVE FAULT - IB10_B01 .....	194
9.6.19	FLT 112: PRODUCT SENSING: SENSOR MONITORING - IB10-B01 .....	195
9.6.20	FLT 120: INSERTION: SAFETY SENSOR - IB36_B01 .....	196
9.6.21	FLT 122: PRODUCT CHAIN: OVERFILL COLLECTING BOX - IB80_B02 .....	197
9.6.22	FLT 126: INSERTION: OVERLOAD PREINSERTION .....	198
9.6.23	FLT 129: INSERTION: MONITORING SENSOR SAFETY SENSOR - IB36_B01 .....	199
9.6.24	FLT 200: MACHINE: JAM AT DISCHARGE .....	200
9.6.25	FLT 201: DOWNSTREAM: STOP FROM MACHINE 1 .....	201
9.6.26	FLT 203: DOWNSTREAM: STOP FROM MACHINE 2 .....	202
9.6.27	FLT 210: GUARD OPEN: CARTON MAGAZINE [6] .....	203
9.6.28	FLT 212: GUARD OPEN: DISCHARGE TOP [2] .....	204
9.6.29	FLT 213: CARTON: OVERLOAD SIDE FLAP FOLDER - IB37_B01 .....	205
9.6.30	FLT 220: CARTON: STOCK AT THE END - IA30_B02 .....	206
9.6.31	FLT 221: MACHINE: COVER RAIL OPEN - IA30-B03 .....	207
9.6.32	FLT 222: CARTON: CONSECUTIVE FAULT CROSSCHECK - IA30_B01 .....	208



9.6.33	FLT 223: CARTON: PICKUP CHECK - IA30_B04 .....	209
9.6.34	FLT 224: CARTON BELT: OVERLOAD .....	210
9.6.35	FLT 225: CARTON: CONSECUTIVE FAULT CODE READER - IB75_B01 .....	211
9.6.36	FLT 226: CARTON: FAULT CODE READER - IB75_B01 .....	212
9.6.37	FLT 227: CARTON: SENSOR MONITORING CROSSCHECK - IA30_B01 .....	213
9.6.38	FLT 237: CARTON: SENSOR MONITORING PICKUP CHECK - IA30_B04 .....	214
9.6.39	FLT 243: LASER PRINTING: DEVICE NOT READY .....	215
9.6.40	FLT 250: CARTON EJECTION 1: OVERFILL COLLECTING CONTAINER - IQ82_B03 .....	216
9.6.41	FLT 251: CARTON EJECTION 1: CROSS CHECK - IQ82_B01 .....	217
9.6.42	FLT 254: CARTON REJECT 1: SENSOR MONITORING CROSS CHECK - IQ82_B01 .....	218
9.6.43	FLT 270: CARTON: OPEN FLAP: SENSOR MONITORING COVER FLAP FRONT - IB86_B01 .....	219
9.6.44	FLT 271: CARTON: OPEN FLAP: SENSOR MONITORING COVER FLAP REAR - IB86_B02 .....	220
9.6.45	FLT 272: CARTON: OPEN FLAP: SENSOR MONITORING SIDE FLAP FRONT - IB86_B03 .....	221
9.6.46	FLT 273: CARTON: OPEN FLAP: SENSOR MONITORING SIDE FLAP REAR - IB86_B04 .....	222
9.6.47	FLT 289: CARTON: OPEN FLAP: CONSECUTIVE FAULT COVER FLAP -IB86_B01 / IB86_B02 .....	223
9.6.48	FLT 294: CARTON: OPEN FLAP: CONSECUTIVE FAULT SIDE FLAP -IB86_B03 / IB86_B04 .....	225
9.6.49	FLT 301: LEAFLET: CONSECUTIVE FAULT CROSS CHECK IN PRODUCT CHAIN - IX161_B10 .....	227
9.6.50	FLT 302: LEAFLET: CROSS CHECK EJECTION - IX161_B12 .....	229
9.6.51	FLT 304: LEAFLET: CONSECUTIVE FAULT CROSS CHECK IN UNIT - IX161_B11 .....	230
9.6.52	FLT 321: LEAFLET: CONSECUTIVE FAULT CODE READER REAR - IB75_B05 .....	232
9.6.53	FLT 322: LEAFLET: CONSECUTIVE FAULT CROSS CHECK IN CARTON - IB75_B04 .....	234
9.6.54	FLT 324: LEAFLET: FAULT CODE READER REAR - IB75_B05 .....	236
9.6.55	FLT 325: LEAFLET: SENSOR MONITORING CROSS CHECK IN CARTON - IB75-B04 .....	237
9.6.56	FLT 326: LEAFLET: SENSOR MONITORING CROSS CHECK IN PRODUCT CHAIN - IX161_B10 .....	238
9.6.57	FLT 408: ROBOT 1: SENSOR MONITORING PRODUCT SENSING EXCEED HEIGHT .....	239
9.6.58	FLT 412: ROBOT 1: EMERGENCY STOP FRONT ACTIVATED .....	240
9.6.59	FLT 421: ROBOT 1: GUARD OPEN: FRONT LEFT [17] .....	241
9.6.60	FLT 422: ROBOT 1: GUARD OPEN: FRONT RIGHT [16] .....	242
9.6.61	FLT 430: ROBOT 1: BELT 1: OVERLOAD .....	243
9.6.62	FLT 432: ROBOT 1: BELT 2: OVERLOAD .....	244
9.6.63	FLT 450: ROBOT 1: PRODUCT SENSING: EXCEED HEIGHT .....	245
9.6.64	FLT 451: ROBOT 1: BELT 1: PRODUCT JAM .....	246
9.6.65	FLT 457: ROBOT 1: MONITORING COMPRESSED AIR .....	247
9.6.66	FLT 477: ROBOT 1: CONTROL CABINET: OVERTEMPERATURE .....	248
9.6.67	FLT 512: ROBOT 2: EMERGENCY STOP FRONT ACTIVATED .....	249

9.6.68	FLT 521: ROBOT 2: GUARD OPEN: FRONT LEFT [19] .....	250
9.6.69	FLT 522: ROBOT 2: GUARD OPEN: FRONT RIGHT [18] .....	251
9.6.70	FLT 547: ROBOT 2: EMPTYING .....	252
9.6.71	FLT 577: ROBOT 2: CONTROL CABINET: OVERTEMPERATURE .....	253
9.6.72	FLT 807: LEAFLET INSERTER: NOT IN OPERATIONAL .....	254
9.6.73	FLT 808: LEAFLET INSERTER: GUARD OPEN: REAR [23] .....	255
9.6.74	FLT 822: LEAFLET INSERTER: EMERGENCY STOP ACTIVATED .....	256
9.6.75	FLT 843: LEAFLET INSERTER: CONTROL CABINET: VOLTAGE MONITORING .....	257
9.6.76	FLT 902: BROCHURE INFEED: CONSECUTIVE FAULT CODE READER .....	258
9.6.77	FLT 903: BROCHURE INFEED: CONSECUTIVE FAULT CROSS CHECK .....	259
9.6.78	FLT 907: BROCHURE INFEED: NOT IN OPERATIONAL .....	261
9.6.79	FLT 916: BROCHURE INFEED: GUARD OPEN: PRODUCT CHAIN INFEED [14] .....	262
9.6.80	FLT 920: BROCHURE INFEED: NOT IN CORRECT POSITION [15] .....	263
9.6.81	FLT 922: BROCHURE INFEED: EMERGENCY STOP ACTIVATED .....	264
9.6.82	FLT 943: BROCHURE INFEED: CONTROL CABINET: VOLTAGE MONITORING .....	265
9.6.83	FLT 1212: GUARD OPEN: COLLECTING CONTAINER 1 [3] .....	266
9.6.84	FLT 1213: CARTON EJECTION 1: OVERFILL GUARD COLLECTING CONTAINER .....	267
9.6.85	FLT 1230: DOWNSTREAM: GUARD OPEN: MACHINE 1 .....	268
9.6.86	FLT 1413: ROBOT 1: REMOVE PRODUCT BEFORE REFERENCE/ SYNCHRON RUN .....	269
9.6.87	FLT 1416: ROBOT 1: EMERGENCY STOP REAR ACTIVATED .....	270
9.6.88	FLT 1417: ROBOT 1: GUARD OPEN: REAR LEFT [25] .....	271
9.6.89	FLT 1418: ROBOT 1: GUARD OPEN: REAR RIGHT [24] .....	272
9.6.90	FLT 1419: ROBOT 1: RANGE LIMIT REACHED .....	273
9.6.91	FLT 1516: ROBOT 2: EMERGENCY STOP REAR ACTIVATED .....	274
9.6.92	FLT 1517: ROBOT 2: GUARD OPEN: REAR LEFT [27] .....	275
9.6.93	FLT 1518: ROBOT 2: GUARD OPEN: REAR RIGHT [26] .....	276
9.6.94	FLT 1519: ROBOT 2: RANGE LIMIT REACHED .....	277
9.6.95	FLT 2001: GUARD OPEN: BACK SIDE BELOW LOADING [21] .....	278
9.6.96	FLT 2002: GUARD OPEN: BACK SIDE VACUUM PUMP [22] .....	279
9.6.97	FLT 2004: GUARD OPEN: PRODUCT EJECTION COLLECTING BOX [4] .....	280
9.6.98	FLT 2005: LASER: SENSOR MONITORING PRODUCT TRIGGER - IP78_B11 .....	281
9.6.99	FLT 2009: LEAFLET INSERTER: POSITION CHECK LEAFLET INSERTER .....	282
9.6.100	FLT 2010: LEAFLET INSERTER: GUARD OPEN: BOTTOM LEFT [12] .....	283
9.6.101	FLT 2011: LEAFLET INSERTER: GUARD OPEN: BOTTOM RIGHT [11] .....	284
9.6.102	FLT 2012: LEAFLET INSERTER: GUARD OPEN: TOP LEFT [9] .....	285
9.6.103	FLT 2013: LEAFLET INSERTER: GUARD OPEN: TOP RIGHT [8] .....	286
9.6.104	FLT 2014: LEAFLET INSERTER: POSITION CHECKINFEED BELT [10] .....	287
9.6.105	FLT 2015: LEAFLET INSERTER: EMERGENCY STOP ACTIVATED: TURRET MAGAZINE .....	288
9.6.106	FLT 2016: BROCHURE INFEED: EMERGENCY STOP ACTIVATED: TURRET MAGAZINE .....	289

9.6.107	FLT 2017: BROCHURE INFEED: COVER OPEN: TRANSFER SECTION [13] .....	290
9.6.108	FLT 2019: GUARD OPEN: LASER DOOR [1] .....	291
9.6.109	FLT 2021: EMERGENCY STOP ACTIVATED: LASER .....	292
9.6.110	FLT 2022: LEAFLET: MONITORING PROPER SIGNAL CODE READING LEAFLET REAR - IB75_B05 .....	293
9.6.111	FLT 2023: BROCHURE INSERTER: MONITORING PROPER SIGNAL CODE READING BROCHURE - IB75_B06 .....	294
9.6.112	FLT 2024: BROCHURE: MONITORING PROPER SIGNAL CODE READING BROCHURE IN CARTON - IB75_B07 .....	295
9.6.113	FLT 2025: CODE READER GLUED-IN BROCHURE NOT READY .....	296
9.6.114	FLT 2026: GLUED IN BROCHURE: CONSECUTIVE FAULT CODE READER - IB75_B07 .....	297
9.6.115	FLT 2029: LASER: PRODUCT JAM .....	298
9.6.116	FLT 2036: ROBOT 1: CROSS CHECK EJECTOR .....	299
9.6.117	FLT 2037: ROBOT 1: EXCESS FILL COLLECTING BOX ACCELERATION BELT .....	300
9.6.118	FLT 2038: ROBOT 1: EXCESS FILL COLLECTING BOX CYCLE BELT .....	301
9.6.119	FLT 2040: ROBOT 2: EMERGENCY STOP ACTIVATED: PUCK OUTFEED BELT .....	302
9.6.120	FLT 2041: ROBOT 2: EMERGENCY STOP ACTIVATED: DISKUS BELT .....	303
9.6.121	FLT 2043: ROBOT 2: PUCK OUTFEED BELT: OVERLOAD .....	304
9.6.122	FLT 2044: ROBOT 2: PUCK INFEED BELT: OVERLOAD .....	305
9.6.123	FLT 2045: ROBOT 2: DISKUS BELT: OVERLOAD .....	306
9.6.124	FLT 2046: ROBOT 2: PUCK NOT EMPTY AT OUTFEED BELT .....	307
9.6.125	FLT 2055: ROBOT 1: MONITORING SENSOR PRODUCT CYCLE BELT -W166_B06 .....	308
9.6.126	FLT 2056: ROBOT 1: MONITORING SENSOR FLOWPACK CYCLE BELT -W166_B07 .....	309
9.6.127	FLT 2057: CARTON REJECT 1: CROSS CHECK CARTON REJECT IQ82_B10 .....	310
9.6.128	FLT 2058: CARTON REJECT 1: SENSOR MONITORING CROSS CHECKCARTON REJECTED - IQ82_B10 .....	312
9.6.129	FLT 2059: ROBOT 1: MONITORING SENSOR DISTANCE CONTROL 1 INFEED BELT -W166-B01 .....	313
9.6.130	FLT 2060: ROBOT 1: MONITORING SENSOR DISTANCE CONTROL 2 INFEED BELT -W166-B02 .....	314
9.6.131	FLT 2061: INSERTION: MONITORING SENSOR: OVERLOAD PREINSERTION -W40-B02 .....	315
9.6.132	FLT 2062: ROBOT 1: MONITORING SENSOR: EXCESS FILL COLLECTION BOX CYCLE BELT -W166_B10 .....	316
<b>10</b>	<b>Notes .....</b>	<b>317</b>

## 1 Software version

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Documentation of software version used for test execution</li> </ul>	
<b>Test procedure</b>		
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Write down in table below the installed software version (Baseline) before execution of alarm and function testing.</li> </ul>	

Software/Firmware	Version
Baseline	<input type="text"/>

Test result	yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>The software version is documented.</li> </ul> <input type="text"/>
Comments	<div><div></div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 2 Check HMI menu, buttons and switches

### 2.1 Spotcheck HMI

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Menu check of HMI menu tree</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>User Admin is logged in</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Copy the menu tree from the operation manual chap. 5</li> <li>Select longest tree as example (or one of the longest trees)</li> <li>Go step by step through the selected tree</li> <li>Control the menu and the names of the page tabs</li> <li>Attach the copy to this test</li> </ul>
Comments	<ul style="list-style-type: none"> <li>This is a spotcheck test. Only the longest menu tree needs to be checked</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>HMI menu and page tab spotcheck is OK</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 3 Access protection

#### 3.1 USER CONFIGURATION FOR VALIDATION

<b>Test objective</b>	<ul style="list-style-type: none"> <li>This configuration is necessary to create an user for the following validation procedure</li> </ul>						
<b>Test procedure</b>							
Required operations	<ul style="list-style-type: none"> <li>Log in with user "adminlocal"</li> <li>Select the menu "System configuration"</li> <li>Select the submenu "User management"</li> <li>In submenu "User Management", press "General settings"</li> </ul> <p>Create following configuration:</p> <table border="1"> <thead> <tr> <th colspan="2">GENERAL SETTINGS</th> </tr> <tr> <th colspan="2">User</th> </tr> </thead> <tbody> <tr> <td>Display last user (min.)</td><td>0</td> </tr> </tbody> </table>	GENERAL SETTINGS		User		Display last user (min.)	0
GENERAL SETTINGS							
User							
Display last user (min.)	0						
<b>Test result</b>	<b>yes/no</b>						
Acceptance criteria	<ul style="list-style-type: none"> <li>User settings are adjusted according to data of table</li> </ul> <input type="text"/>						
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>						

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 3.2 (Domain) Log-in

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• No action without logged in user</li> <li>• Login requires the individual user name and password</li> <li>• Checking the number of user-login actions</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• Adminlocal has created a new group to execute all the following tests Name of the group <input type="text"/></li> <li>• Machine is operational</li> <li>• No user is logged in</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Press "Start"</li> <li>• Warning 29 "Operator: No user logged in" is indicated</li> <li>• Touch any function key (no function can be actuated)</li> <li>• Call up function "Log in user"</li> <li>• Log in with user name and password</li> <li>• Operate any function key (function is actuated)</li> <li>• Try to log in a second user with name and password (not possible)</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• Activation of machine stop (Normal Stop) and Emergency-Stop possible without logged in user</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• None</li> </ul>

Test result	yes/no
Acceptance criteria	
<ul style="list-style-type: none"><li>No function can be actuated until a valid user is logged in</li></ul>	<input type="text"/>
<ul style="list-style-type: none"><li>Successful login, functions can be induced</li></ul>	<input type="text"/>
<ul style="list-style-type: none"><li>Only one user can be logged in at a time</li></ul>	<input type="text"/>
Comments	<div></div>

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	



## 3.3 (Domain) Automatic log-out

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check of access protection: Time log-out</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is operational</li> <li>No user is logged in</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Call up function „Log in user“</li> <li>Enter user name and password</li> <li>No action for x minutes Time of last action: <input type="text"/></li> <li>Enter user name and password</li> <li>Select submenu "Diagnostics" → press "Audit view"</li> <li>Check in audit trail the correct entry with userID, date, time and action „Auto log-out“</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>Print out audit trail after having finished all tests</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Automatic logout after x minutes inactivity x = <input type="text"/></li> <li>Entry to audit trail that user has been logged out automatically</li> </ul>	<input type="text"/>  <input type="text"/>
<b>Comments</b>	<input type="text"/>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 3.4 (Domain) Log-out

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check of User log-out</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is operational</li> <li>User is logged in</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Log out user</li> <li>Time of log-out: <input type="text"/></li> <li>Press any function key - no function can be activated</li> <li>Log in user &gt; enter user name and password</li> <li>Select submenu "Diagnostics" → "Audit view"</li> <li>Check in audit trail the correct entry with userID, date, time and action "Auto log-out"</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>Activation of machine stop (Normal Stop) and Emergency-Stop possible without logged in user</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>No operation can be actuated</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Entry to audit trail about the implemented steps</li> </ul>	<input type="text"/>
Comments	<input type="text"/>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 4 Audit trail

### 4.1 Audit trail entries (parameter)

<b>Test objective</b>	<ul style="list-style-type: none"> <li>All user actions related to process, quality and product as well as all parameter changes must be recorded in the audit trail</li> </ul>		
<b>Test procedure</b>			
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>User "adminlocal" is logged in</li> <li>Machine is ready in automatic mode</li> <li>Date and time are identical to external clock</li> </ul>		
<b>Required operations</b>		Time code hr : min	Confirmation in audit trail ✓
	<ul style="list-style-type: none"> <li>Press Emergency Stop</li> </ul>	<input type="text"/> : <input type="text"/>	<input type="checkbox"/>
	<ul style="list-style-type: none"> <li>Release Emergency Stop</li> </ul>	<input type="text"/> : <input type="text"/>	<input type="checkbox"/>
	<ul style="list-style-type: none"> <li>Complete the batch</li> <li>Select submenu "Diagnostics" &gt; press "Audittrail viewer" &gt; press "Display/Viewer"</li> <li>Check entries for correctness and confirm with "✓"</li> <li>Print out the "Audit trail" and attach the document to the test protocol</li> </ul>		
<b>Comments</b>	<ul style="list-style-type: none"> <li>21 CFR Part 11: §11.10(d,g), §11.200(a), §11.300(a,b,d)</li> <li>GMP Vol.4 Annex 11: 12.1; 12.3</li> </ul>		
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>None</li> </ul>		

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"><li>All entries show the activity, user name, date and time correctly</li></ul>	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 4.2 Audit trail entries

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Structure of entries</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• Machine is operational</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Log in user "adminlocal"</li> <li>• Log out user "adminlocal"</li> <li>• Log in user "adminlocal"</li> <li>• Open guard door</li> <li>• Close guard door:</li> <li>• Press "Reset"</li> <li>• Select "Diagnostics"</li> <li>• Call up function "Audittrail viewer"</li> <li>• Press "Filter setting"</li> <li>• Select filter "User name" by activating the checkmark</li> <li>• Press "Setting" within the filter setting "User name"</li> <li>• Move one of the given users from field "All" to the field "Selected" (e.g. validation)</li> <li>• Select filter "Time period"</li> <li>• Press "Setting" within the filter setting "Time period"</li> <li>• Adjust the time period to the last 10 minutes</li> <li>• Confirm with the checkmark</li> <li>• Close the menu "Filter setting" by using of the checkmark</li> <li>• Press "Display" within the "Audittrail viewer"</li> <li>• The corresponding audit view of user "adminlocal" is displayed</li> <li>• Call up function "Print"</li> <li>• The audit trail printout displays the selected date and time</li> <li>• Select filter settings button</li> <li>• Select filter "Faults"</li> <li>• Confirm with the checkmark</li> <li>• Press "Refresh"</li> <li>• The corresponding audit view is displayed</li> <li>• Try to modify or delete last entry in audit trail</li> <li>• Print out audit trail after completion of the tests</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• All entries in the audit trail show the activity, user name, date and time</li> <li>• The entries can be filtered and printed online based on various criteria (user, activity, date and time, batch)</li> <li>• Entries can not be modified or deleted</li> </ul>

<b>Test procedure</b>	
Comments	<ul style="list-style-type: none"> <li>Select an audit trail in "Audittrail viewer" within a time frame showing actions</li> <li>21 CFR Part 11: §11.10(d,g), §11.200(a), §11.300(a,b,d)</li> <li>GMP Vol.4 Annex 11: 12.1; 12.3</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Remove "Filter setting"</li> <li>Close "Audit trail viewer"</li> <li>Several filter settings can be activated for the next start of the "Audittrail viewer"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>All entries in the audit trail show the activity, user name, date and time <input type="text"/></li> <li>The entries can be filtered and printed online based on various criteria (user, activity, date and time) <input type="text"/></li> <li>Entries can not be modified or deleted <input type="text"/></li> </ul>
Comments	<div style="border: 1px solid black; height: 100px;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 5 Version management for recipe

### 5.1 Version management in case of new recipe (product version)


Test objective	<ul style="list-style-type: none"> <li>All recipe data are managed in menu "Recipe" &gt; submenu "Recipe management"</li> </ul>
Test procedure	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is operational</li> <li>User "adminlocal" is logged in</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu "Recipe" &gt; select submenu "Recipe management"</li> <li>Select one recipe and press "Versions"</li> <li>Select the current version and press "Create new recipe"</li> <li>Recipe version number "x" = <input type="text"/> is created</li> <li>Change the recipe name of recipe version "x" (e.g. "Validation A 500 mg")</li> <li>Call up the new generated recipe in the window "recipe version" (e.g. "Validation A 500 mg")</li> <li>Select a version and press "New draft version"</li> <li>A new version draft with count up number "y" = <input type="text"/> is created</li> <li>Select draft "y" and press "Enable"</li> <li>Confirm message</li> <li>Select the current recipe version in the window</li> <li>Press "Activate"</li> <li>In the overview "Current recipe" the recipe is shown (e.g. Validation A 500 mg)</li> <li>Version x.y = <input type="text"/> (e.g. 0002.0001) released</li> </ul>
Comments	<ul style="list-style-type: none"> <li>21 CFR Part 11: §11.10 (b)</li> <li>GMP Vol.4 Annex 11: 8.1</li> </ul>

Test result		yes/no
Acceptance criteria	• When creating a new recipe, it will be generated with the designation count up number "x"; a new version with count up number "y"	<input type="text"/>
	• After enabling the draft version (only) the status changes	<input type="text"/>
Comments	<input type="text"/>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	



## 5.2 Disable recipe version (product data)

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check whether recipe version can be deleted</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is operational</li> <li>User "adminlocal" is logged in</li> </ul>
<b>Test 1</b>	<b>Delete a version</b>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Select menu "Recipe" &gt; select submenu "Select recipe management"</li> <li>Select the new recipe (e.g. Validation A 500 mg)</li> <li>Press "Versions"</li> <li>Create a new draft version</li> <li>Select the new draft version</li> <li>Press "Delete" and confirm (note time of action) </li> <li>Leave menu „Recipe versions product“</li> <li>Leave menu "Recipe list product"</li> <li>Select menu "System configuration" &gt; select submenu "Diagnostic"</li> <li>Select "Audittrail viewer"</li> <li>Select "Filter settings"</li> <li>Activate checkmarks for "Function"</li> <li>Select "Function setting"</li> <li>Select "Size management" and change to selected</li> <li>Select "Size management" and press "Events"</li> <li>Select "Recipe deleted" and change to selected</li> <li>Confirm tree times with "Checkmark" and press button "Display"</li> <li>Check the entry in the audit trail</li> <li>Print out audit trail after completion of the tests</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Versions can be deleted</li> <li>When the corresponding filters are selected, all existing versions are open for viewing</li> <li>Entry to audit trail is correct</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>If no active version is available create a "New draft version"</li> <li>Inactive versions can be deleted by the Admin only</li> <li>Enabled recipes can not be deleted</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>None</li> </ul>

<b>Test procedure</b>	
<b>Test 2</b>	<b>Block a recipe version</b>
Required operations	<ul style="list-style-type: none"> <li>• Select menu "Recipe" &gt; select submenu "Recipe management"</li> <li>• Select the new recipe (e.g. Validation A 500 mg)</li> <li>• Press "Versions"</li> <li>• Create a new draft version of the draft version</li> <li>• Select the new draft version</li> <li>• Press "Disable" (note time of action) <input data-bbox="1145 629 1442 678" type="text"/></li> <li>• Press filter "Disable"</li> <li>• Leave menu „Recipe versions product“</li> <li>• Leave menu "Recipe list product"</li> <li>• Select menu "System configuration" &gt; select submenu "Diagnostic"</li> <li>• Select "Audittrail viewer"</li> <li>• Select "Filter settings"</li> <li>• Activate checkmarks for "Function"</li> <li>• Select "Function setting"</li> <li>• Select "Size management" and change to selected</li> <li>• Select "Size management" and press "Events"</li> <li>• Select "Recipe disabled" and change to selected</li> <li>• Confirm tree times with "Checkmark" and press button "Display"</li> <li>• Check the entry in the audit trail</li> <li>• Print out audit trail after completion of the tests</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• Versions can be blocked</li> <li>• When the corresponding filters are selected, all existing versions are open for viewing</li> <li>• Entry to audit trail is correct</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• If necessary create a "New draft version" to perform the test</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• None</li> </ul>

Test result		yes/no
Acceptance criteria	• Versions can be deleted or disabled	<input type="text"/>
	• When the corresponding filters are selected, all existing versions are open for viewing	<input type="text"/>
	• Entry to audit trail is correct	<input type="text"/>
Comments	<input type="text"/>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

### 5.3 Recipe versions for production

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check that only recipe versions with status “Draft” or “Enabled” can be activated for production</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>User “adminlocal” is logged in</li> <li>Machine is ready in automatic mode</li> <li>Recipe e.g. “Validation A 500mg” is created</li> <li>“Recipe Version” is created as disabled</li> <li>“Recipe Version” is created as deleted</li> <li>“Recipe Version” is created as enabled version</li> <li>“Recipe Version” is created as draft version</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu “recipe management” &gt; select “recipe management” &gt; SWS “recipe management”</li> <li>An overview of all recipes is displayed</li> <li>In overview window of recipes select recipe e.g. “Validation A 500mg” and press SWS “Versions”</li> <li>All filters are switched on</li> <li>Select a recipe version with status “Disabled”</li> <li>SWS “Activate” is not active</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Selected recipe version cannot be activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select a recipe version with status “Deleted”</li> <li>SWS “Activate” is not active</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Selected recipe version cannot be activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select a recipe version with status “Enabled”</li> <li>Press SWS “Activate”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Activated version is highlighted in green</li> <li>All settings for this recipe are taken over by program</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select a recipe version with status “Draft”</li> <li>Press SWS “Activate”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Activated version is highlighted in green</li> <li>All settings for this recipe are taken over by program</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press SWS “Print” and attach printout to the test *)</li> </ul>
Comments	<ul style="list-style-type: none"> <li>*) If no printer is available create pdf-file and print on an external printer</li> </ul>

Test result		yes/no
Acceptance criteria	• Disabled recipe versions can not be activated for production	<input type="text"/>
	• Only recipe versions with status "Draft" or "Enabled" can be activated for production	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 5.4 Create new recipe on the basis of an existing recipe version

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Create new recipe on the basis of an existing recipe version</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is operational</li> <li>User "adminlocal" is logged in</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Select menu "Recipe" &gt; select submenu "Select recipe management"</li> <li>Select one recipe and press "Versions"</li> <li>Select the current version and press "Create new recipe"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Recipe version number "x" = <input type="text"/> is created</li> <li>A new recipe can be created on the basis of an existing recipe version</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Press "Change Recipe name", change the name of recipe version "x" (e.g. "Validation A 500 mg")</li> <li>Call up the new generated recipe in the window "recipe version" (e.g. "Validation A 500 mg")</li> <li>Select a version and press "New draft version"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>A new version draft with count up number "y" = <input type="text"/> is created</li> <li>A new draft version can be created on the basis of a current recipe version</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>A new recipe can be created on the basis of an existing recipe version</li> <li>A new draft version can be created on the basis of a current recipe version</li> </ul>	<input type="text"/> <input type="text"/>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 5.5 Delete disabled recipe version

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check whether disabled recipe version can be deleted</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>User “adminlocal” is logged in</li> <li>Machine is ready in automatic mode</li> <li>Recipe version to be deleted is not active (e.g. “Validation A 500 mg”)</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu “recipe management” &gt; select “recipe management” &gt; SWS “recipe management”</li> <li>An overview of all recipes is displayed</li> <li>In overview window of recipes select recipe e.g. “Validation A 500 mg” and press SWS “Versions”</li> <li>All filters are switched on</li> <li>Select a recipe version with status “Disabled”</li> <li>Press SWS “Delete” and confirm indicated message</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Status of selected recipe version changes to “Deleted” and can not be enabled or activated</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Status of selected recipe version changes to “Deleted” <input type="text"/></li> <li>Deleted recipe versions can no longer be enabled or activated <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 6 Batch Management

### 6.1 Create new batch

Test objective	<ul style="list-style-type: none"> <li>Check whether new batch can be created</li> </ul>
Test procedure	
Test prerequisites	<ul style="list-style-type: none"> <li>Recipe is enabled and active</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu "production" &gt; select submenu "production"</li> <li>Enter in window "Batch" number "123" and confirm               <ul style="list-style-type: none"> <li>New batch is created</li> </ul> </li> <li>Press SWS "Start" to start new created batch and confirm indicated message</li> <li>Try to insert name and number for a new batch in window "Batch"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Creation of new batch is not possible (Number and name are deactivated fields while the previous batch is activated)</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press SWS "Complete" to complete the active batch and confirm indicated message</li> <li>Press SWS "X" to close window "Print batch data" and confirm indicated message</li> <li>Enter in window "Batch" number "1234" and confirm               <ul style="list-style-type: none"> <li>New batch is created</li> </ul> </li> </ul>
Consequence	<ul style="list-style-type: none"> <li>A new batch can only be created if previous batch has been completed</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>A new batch can only be created if previous batch has been completed</li> </ul> <div></div>
Comments	<div></div>

Results comply	yes/no	Date/Initials
	<div></div>	<div></div>
Results approved	Date/Initials	
	<div></div>	



## 6.2 Start batch

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check whether batch can be started</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>A new batch has been created but not yet started</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press SWS “Start” and confirm indicated message</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Status of created and started batches changes from “Completed” to “Started”</li> <li>Batch information is displayed in submenu “Production”, SWS “Show batch data” in window “Batch”</li> </ul>
Comments	<ul style="list-style-type: none"> <li>It is not possible to create or start a new batch</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Only the new created batch can be started</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 6.3 Interrupt and resume batch

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check whether batch can be interrupted and resumed again</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>A batch has been started</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu "production" &gt; select submenu "production"</li> <li>In window "Batch" press SWS "Interrupt" and confirm indicated message</li> <li>Press SWS "X" to close window "Print batch data"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>In overview Batch management status of active batch changes from "Started" to "Interrupted"</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu "production" &gt; select submenu "production"</li> <li>In window "Batch" press SWS "Resume" and confirm indicated message</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>In overview Batch management status of active batch changes from "Interrupted" to "Resumed"</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Batch can be interrupted and resumed</li> </ul> <input type="text"/>
Comments	<input type="text"/>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 6.4 Complete batch

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check whether batch can be completed</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>A batch has been started or interrupted</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu "production" &gt; select submenu "production"</li> <li>In window "Batch" press SWS "Complete" and confirm indicated message</li> <li>Press SWS "X" to close window "Print batch data" and confirm indicated message</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>In overview Batch management status of active batch changes to "Completed"</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Try to resume batch</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>After batch is completed it cannot be resumed again</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result	yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>After batch is completed, batch data can be saved or printed and batch cannot be resumed again</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 6.5 Batch history

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check whether batch history can be displayed</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Batch is completed</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu "Batch history" &gt; select SWS "Batch management"</li> <li>Select a batch with status "Completed" and press SWS "Show"             <ul style="list-style-type: none"> <li>Window "Batch view" opens and batch information such as "Batch-ID.", "Batch name", "Batch size" and "Batch part size" as well as active recipe version are displayed</li> </ul> </li> <li>Press SWS "History"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>"Batch history" displays when and by whom the status of the batch has been changed</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>"Batch history" displays when and by whom status of batch has been changed</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 6.6 Store batch data

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check whether batch data can be stored</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>A batch with status "Completed" is created</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Select menu "Batch History" &gt; select SWS "Batch management"</li> <li>Select a batch with status "Completed"</li> <li>Batch-ID.: <input type="text"/></li> <li>Press SWS "Store"</li> <li>Select a folder and press SWS "✓"             <ul style="list-style-type: none"> <li>"Message ("Store") "</li> <li>Do you want to delete the sources after batch storage is complete?" is displayed</li> </ul> </li> <li>Press SWS "No"</li> <li>Confirm indicated message ("Store")</li> <li>Close window</li> <li>In "Batch History" press SWS "Batch management"</li> <li>Choose the batch and press SWS "Show"</li> <li>Press SWS "History"</li> <li>Note time when .zip-file has been stored <input type="text"/></li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Batch is still listed in overview "Batch management"</li> <li>Status has changed from "Completed" to "Stored"</li> <li>Batch is stored in selected folder with file name: batch number + _Date + _Time?? + ".zip" Example: batch no.: 12345 file name: 12345_20140128_122935.zip</li> </ul>

Test procedure	
Required operations	<ul style="list-style-type: none"> <li>Select menu "Batch management" &gt; select submenu "Batch history" &gt; select SWS "Batch management"</li> <li>Select a batch with status "Completed"</li> <li>Batch-ID.: <input type="text"/></li> <li>Press SWS "Store"</li> <li>Select a folder and press SWS "✓"</li> <li>Message ("Store") "The storage result is good. Do you want to delete the sources?" is displayed</li> <li>Press SWS "Yes"</li> <li>Confirm indicated message ("Store")</li> <li>Close window</li> <li>Press SWS "Batch management"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Batch is no longer listed in overview</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Batches are stored as .zip-file in selected folder with correct name (+ date and time)</li> </ul>	<input type="text"/>
Comments	<input type="text"/>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 6.7 Restore batch data

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check whether stored batch data can be restored</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>A batch with status "Stored" is created</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Select menu "Batch management" &gt; select submenu "Batch history" &gt; select SWS "Batch management"</li> <li>Press SWS "Restore"</li> <li>Select a stored file</li> <li>Batch-ID.: <input type="text"/></li> <li>Select a folder and press SWS "✓"             <ul style="list-style-type: none"> <li>Message ("Store") "The target already exists. Do you really want to overwrite?" is displayed</li> </ul> </li> <li>Press SWS "Yes"</li> <li>Select restored file in window "Batch management" and press SWS "Show"</li> <li>Press SWS "History"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>.zip-file is not deleted</li> <li>Batch is listed in overview with status "Restored"</li> <li>Existing data is replaced in overview</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Select menu "Batch management" &gt; select submenu "Batch history" &gt; select SWS "Batch management"</li> <li>Press SWS "Restore"</li> <li>Select same file as before and press SWS "✓"             <ul style="list-style-type: none"> <li>Message ("Store") "The target already exists. Do you really want to overwrite?" is displayed</li> </ul> </li> <li>Press SWS "No"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Action is interrupted</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"><li>Batch is restored from .zip-file and listed in "Batch management"</li></ul>	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	



## 6.8 Delete batch data

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check whether only stored batch data can be deleted</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Batch with status "Stored", "Restored" and "Completed" are created</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu "Batch management" &gt; select "Batch history" &gt; Select SWS "Batch management"</li> <li>Select batch with status "Stored"</li> <li>Press SWS "Delete" <ul style="list-style-type: none"> <li>Message ("Store") "Do you really want to delete 1 batches?" is displayed</li> </ul> </li> <li>Press SWS "Yes"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Batch is no longer listed in overview</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select batch with status "Restored"</li> <li>Press SWS "Delete" <ul style="list-style-type: none"> <li>Message ("Store") "Do you really want to delete 1 batches?" is displayed</li> </ul> </li> <li>Press SWS "Yes"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Batch is no longer listed in overview</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select batch with status "Completed"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>SWS "Delete" is not active</li> <li>Batch cannot be deleted</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	• Batches with status "Restored" can be deleted from "Batch management"	<input type="text"/>
	• Batches with status "Stored" can be deleted from "Batch management"	<input type="text"/>
	• Batches with status "Completed" can not be deleted from "Batch management"	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 6.9 Print history of batch data

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check whether history of batch data can be printed</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Batch with status "Completed" is created</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu "Batch management" &gt; select submenu "Batch history" &gt; select SWS "Batch management"</li> <li>Select batch with status "Completed"</li> <li>Press SWS "History" <ul style="list-style-type: none"> <li>Message ("History") "The <i>selected batch</i> was chosen for the history." is displayed</li> </ul> </li> <li>Press SWS "Ok"</li> <li>Select menu "Batch history"</li> <li>Recipe data and results can be viewed for the selected batch</li> <li>Press SWS "Print batch"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Selected batch data can be printed as hard copy on connected printer or as pdf-file to be saved on a selected drive</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Recipe data and results can be viewed and printed</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 6.10 Print batch data

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Print batch data</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>User "validation" is logged in</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu "Batch management" &gt; select submenu "Batch History" &gt; select SWS "Batch management"</li> <li>Select batch with status "Completed"</li> <li>Press SWS "History" <ul style="list-style-type: none"> <li>Message ("History") "The <i>selected batch</i> was chosen for the history" is displayed</li> </ul> </li> <li>Press SWS "Ok"</li> <li>Change to submenu "History"</li> <li>Result and Recipe data can be viewed for the selected batch</li> <li>Press SWS "Print batch"</li> <li>Select pdf for "Result" and "Recipe data"</li> <li>Select printer for "Result" and "Recipe data"</li> <li>In "Configuration" select target File path for storage and printer</li> <li>Press SWS "✓"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Result and recipe data are exported to selected folder as .pdf-file with file name "batch number + _Result.pdf" resp. "batch number + _RecipeData.pdf" *)cted folder as .pdf-file with file name "batch number + _Result.pdf" *)</li> <li>Recipe data are printed on connected printer</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select menu "Production" &gt; select submenu "Production"</li> <li>Create a new batch</li> <li>Start the new batch and confirm indicated message</li> <li>Complete the new batch <ul style="list-style-type: none"> <li>Message "Do you really want to complete the batch?" is displayed</li> </ul> </li> <li>Press SWS "OK" <ul style="list-style-type: none"> <li>Message "Print batch data" is displayed</li> </ul> </li> <li>Select pdf for "Alarms" and "Parameter change"</li> <li>Select printer for "Parameter change"</li> <li>In "Configuration" select target File path for storage and printer</li> <li>Press SWS "✓"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Batch alarm list and parameter change are exported to selected folder as .pdf-files with file names "batch number + _Alarm.pdf" and + "batch number + _Parameter.pdf" *)</li> <li>Batch parameter change is printed on connected printer.</li> </ul>

<b>Test procedure</b>		
Comments	<ul style="list-style-type: none"> <li>• *) Date and time can be added in file name if needed</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>• None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>• Batch data can be printed when active batch is completed or after a batch has been selected for history</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>• Batch data can be printed on connected printer</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>• Batch data can be exported to a selected folder as .pdf-file</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 7 Reports and print outs

### 7.1 Batch print out

Test objective	<ul style="list-style-type: none"> <li>Check whether batch data can be printed</li> </ul>
Test procedure	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>User "adminlocal" is logged in</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Select "Archive"</li> <li>Select menu "Batch management"</li> <li>Select batch with status "Completed"</li> <li>Press SWS "History" <ul style="list-style-type: none"> <li>Message ("History") "The <i>selected batch</i> was chosen for the history" is displayed</li> </ul> </li> <li>Press SWS "Ok"</li> <li>Press "Show &gt; Press "History"</li> <li>Change to submenu "Batch history" &gt; Press "Show batch data" &gt; Press "Print"</li> </ul> <hr/> <ul style="list-style-type: none"> <li>Result and Recipe data can be viewed for the selected batch</li> </ul> <hr/> <ul style="list-style-type: none"> <li>Change to "Batch history"</li> <li>Select pdf for "Result" and "Recipe data"</li> <li>In "Configuration" select target File path for storage</li> <li>Press SWS "✓"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Result and recipe data are exported to selected folder as .pdf-file with file name "batch number + _Result.pdf" resp. "batch number + _RecipeData.pdf" *)</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Attach the printout to this test (can be done at the end of testing).</li> <li>*) Date and time can be added in file name if needed</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	• Batch data can be printed (as pdf-file) after a batch has been selected for history	<input type="text"/>
	• Batch data can be exported	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 7.2 Parameter: Machine settings (Recipe)

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Parameter: Mechanical settings</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>User "adminlocal" is logged in *)</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Call up "Recipe"</li> <li>Press "Print active recipe"</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Attach the printout to this test (can be done at the end of testing).</li> <li>*)Test can be done by all users of the "Group Management"</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Print out from the machine settings (Recipe) is possible</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



### 7.3 User right print out

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check whether list of user rights can be printed</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>User "adminlocal" is logged in</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Call up "Settings" -&gt; page tab "User management" -&gt; select "Group Management"</li> <li>Choose the user group "Admin customer" (or "Administrator") and press "Configure" -&gt; select "all rights"</li> <li>Press "Print", save as a PDF-File and print it later.</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Attach the printout to this test (can be done at the end of testing).</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>It is possible to print or save the user rights</li> </ul> <input type="text"/>
Comments	<input type="text"/>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 8 Basic function

### 8.1 Service: Clean Display

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Check of the "Clean Display" function</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>User adminlocal is logged in</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Call up "Settings" -&gt; "Service" and press "Clean Display"</li> <li>If you press the button, a dialog window appears, where you can choose "Ok" or "Cancel"</li> <li>With "Ok" the display turns grey and no touch inputs can be done, and the time of 30 seconds runs down and is shown on the display</li> <li>After 30 seconds the HMI appears again</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Display turns grey and no touch input can be done <input type="text"/></li> <li>After 30 seconds the HMI appears again <input type="text"/></li> </ul>
<b>Comments</b>	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 8.2 Alarmlists

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Availability of Alarmlists</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Call up "Settings" -&gt; "Documentation"</li> <li>Lists of Faults, Warnings or Messages can be selected</li> <li>The complete lists of Faults, Warnings and Messages can be printed or saved as pdf</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Lists of the Faults, Warnings and Messages can be selected</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Lists of Faults, Warnings and Messages can be printed or saved as pdf</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 8.3 Operating hours counter

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Display of Operating hours counter</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Go to "Settings" -&gt; "Information" submenu "Machine" to see "Operating hours"</li> <li>On the display the operating hours counter is shown</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Operating hours counter is shown</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 8.4 Parameter limits

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test of limitation of Parameter limits</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> <li>• User adminlocal is logged in</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>• Call up "Recipe Management" -&gt; "Recipe Data"</li> <li>• Select Parameter [1] in "Speeds" : [1] Automatic</li> <li>• Click on value</li> <li>• Try to enter a value greater than the maximum limit of the machine speed</li> <li>• Try to enter a value smaller than the minimum limit of the machine speed</li> <li>• Enter a value within the limits</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>• Limit values are shown in window</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>• Enter original value</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>• A value greater than the maximum limit cannot be confirmed</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>• A value smaller than the minimum limit cannot be confirmed</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>• A value between the minimum and maximum limit can be confirmed</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 8.5 HMI Language

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Availability and change of HMI languages</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Call up "System configuration" -&gt; "Language" and press "German"</li> <li>After pressing the button "German", the complete HMI texts change into German</li> <li>After pressing the button "English", the complete HMI texts change into English</li> <li>Call up "System configuration" -&gt; "Language" and press "French"</li> <li>After pressing the button "French", the complete HMI texts change into French</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>The HMI language switches to the chosen language</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9 Alarm Function Tests

### Important Information

The following table lists the fault messages, warning messages, messages and software switches which are displayed on the control panel but can be simulated only by program changes and are therefore not tested.



#### WARNING

**To perform a test procedure, it may be necessary to start the machine while the doors are open and the door contact switches are bridged.**

**Safety functions are not-active.**

**Severe injuries may result.**

- ▶ Only authorized/trained persons are allowed to run the machine.
- ▶ Special attention must be given and care taken when working in the danger zone without protection.

☞ Please note that some fault messages, warnings or messages may contain a variable which is generated e.g. from the servo drive or profibus and gives further information about this device. The variable depends on the actual fault and therefore may vary.

Message number	Message text
162	Motion control: Data transmission to motion drives
164	Motion control: Synchronizing
2003	Codereader leaflet: read error
2004	Codereader carton: read error
2005	Codereader brochure: read error
2006	Codereader glued-in brochure: read error

Warning number	Warning text
5	Machine: Compressed air switched off
15	Control-PC: Used disk space exceeds 80%

Fault number	Fault text
8	HMI: Fault communication to control
12	Motion controller: 0 : No error code active
13	Machine: Reference not set to zero

Fault number	Fault text
15	Control-PC: Used disk space exceeds 90%
20	Batch control: Partial batch obtained
21	Batch control: Complete batch obtained
26	Control cabinet: Com error safety plc
27	Servo drives: Incorrect cam data
28	Control cabinet: Monitoring error safety plc
43	Control cabinet: Voltage monitoring
45	Control cabinet: UPS not ready
77	Machine: Fault monitoring contactors dropped away
78	Emergency stop: Safety circuit not active
82	Machine: Fault speed monitoring Inching mode - IF91_F50
83	Guard basic machine: Safety circuit not active
178	Motion drive slide in table: Fault
179	Motion drive slide in table: 0 : No error code active
186	Motion drive horizontal preinsertion: Fault
187	Motion drive vertical preinsertion: Fault
188	Motion drive insertion: Fault
191	Motion drive insertion: 0 : No error code active
192	Motion drive horizontal preinsertion: 0 : No error code active
193	Motion drive vertical preinsertion: 0 : No error code active
196	Motion drive main drive: Fault
198	Motion drive main drive: 0 : No error code active



Fault number	Fault text
285	Motion drive carton setup: Fault
288	Motion carton setup: 0 : No error code active
401	Robot 1: Motion drive: Fault
455	Robot 1: Collision range
478	Robot 1: Motion control: Fault
480	Robot 1: Motion drive axis A: Fault
481	Robot 1: Motion drive axis B: Fault
482	Robot 1: Motion drive axis C: Fault
483	Robot 1: Motion drive rotary axis: Fault
486	Robot 1: Motion drive axis A: 0 : No error code active
487	Robot 1: Motion drive axis B: 0 : No error code active
488	Robot 1: Motion drive axis C: 0 : No error code active
489	Robot 1: Motion drive rotary axis: 0 : No error code active
555	Robot 2: Collision range
580	Robot 2: Motion drive axis A: Fault
581	Robot 2: Motion drive axis B: Fault
582	Robot 2: Motion drive axis C: Fault
583	Robot 2: Motion drive rotary axis: Fault
586	Robot 2: Motion drive axis A: 0 : No error code active

Fault number	Fault text
587	Robot 1: Motion drive axis B: 0 : No error code active
588	Robot 2: Motion drive axis C: 0 : No error code active
589	Robot 2: Motion drive rotaty axis: 0 : No error code active
809	Leaflet inserter: Motion drive: Overload power supply
812	Leaflet inserter: Motion drive: Fault
819	Leaflet inserter: Motion drive: 0 : No error code active
901	Brochure infeed: Fault code reader
1238	Motion drive outfeed belt, slide in: Fault
1239	Motion drive outfeed belt, slide in: 0 : No error code active
1240	Motion drive outfeed belt, opp. slide in: Fault
1241	Motion drive outfeed belt, opp. slide in: 0 : No error code active
1433	Robot 1: Vacuum monitor: Suction cup 1
1434	Robot 1: Vacuum monitor: Suction cup 2
1435	Robot 1: Vacuum monitor: Suction cup 3
1443	Robot 1: Control cabinet: Voltage monitoring
1533	Robot 2: Vacuum monitor: Suction cup 1
1534	Robot 2: Vacuum monitor: Suction cup 2
1535	Robot 2: Vacuum monitor: Suction cup 3

Fault number	Fault text
1543	Robot 2: Control cabinet: Voltage monitoring
2006	Robot 2: Frequency conveyer puck outfeed belt
2007	Robot 2: Frequency conveyer puck infeed belt
2008	Robot 2: Frequency conveyer diskus belt
2028	Leaflet inserter: Motion drive leaflet reject wheel: 0 : No error activated
2030	Motion drive discharge belt front: @Fault
2031	Motion drive discharge belt front: 0 : No error code active
2032	Motion drive discharge belt back: @Fault
2033	Motion drive discharge belt back: 0 : No error code active
2034	Motion drive discharge belt top: @Fault
2035	Motion drive discharge belt top: 0 : No error code active
2047	Code reader carton: no Code loaded
2048	Code reader leaflet: no Code loaded
2049	Code reader brochure: no Code loaded
2050	Code reader glued-in brochure: no Code loaded
2051	Robot 1: Motion drive infeed belt master: Fault
2052	Robot 1: Motion drive infeed belt master: 0 : No error code active
2053	Robot 1: Motion drive infeed belt ahead: Fault
2054	Robot 1: Motion drive infeed belt ahead: 0 : No error code active
2063	Infeed 2: Monitoring sensor: Reducer accumulation pressure 1 -W166_B64
2064	Infeed 2: Monitoring sensor: Reducer accumulation pressure 1 -W166_B65
2065	Infeed 2: Monitoring sensor: Reducer accumulation pressure 2 -W166_B67
2066	Infeed 2: Monitoring sensor: Reducer accumulation pressure 2 -W166_B68
2067	Number of requested tara parts reached

## 9.1 Test protocols - Function tests software switches operation mode (SWSOPM)

### 9.1.1 SWSOPM 1: AUTOMATIC

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode switch (SWSOPM)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 1 "Automatic"</li> <li>Press "Reset"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME40 "Operating mode: Automatic")</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test ME 40</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 2 "Setup"</li> <li>Press "Reset"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME41 "Operating mode: Setup")</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test ME 41</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: SWSOPM 1 “Automatic” is activated, Operating mode “Automatic” is active	<input type="text"/>
	• Test 1: SWSOPM 1 “Automatic” is activated, Message is displayed on control panel (ME 40)	<input type="text"/>
	• Test 2: SWSOPM 2 “Setup” is activated, Operating mode “Automatic” is not active	<input type="text"/>
	• Test 2: SWSOPM 2 “Setup” is activated, Message is displayed on control panel (ME41)	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.1.2 SWSOPM 2: SETUP

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode switch (SWSOPM)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 2 "Setup"</li> <li>Press "Reset"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME41 "Operating mode: Setup")</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of ME 41</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 1 "Automatic"</li> <li>Press "Reset"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME40 "Operating mode: Automatic")</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of ME 41</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result	yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>• Test 1: SWSOPM 2 "Setup" is activated, Operating mode "Setup" is active <input data-bbox="1305 293 1442 342" type="text"/></li> <li>• Test 1: SWSOPM 2 "Setup" is activated, Message is displayed on control panel (ME 41) <input data-bbox="1305 387 1442 436" type="text"/></li> <li>• Test 2: SWSOPM 1 "Automatic" is activated, Operating mode "Setup" is not active <input data-bbox="1305 481 1442 530" type="text"/></li> <li>• Test 2: SWSOPM 1 "Automatic" is activated, Message is displayed on control panel (ME 40) <input data-bbox="1305 575 1442 624" type="text"/></li> </ul>
Comments	<div data-bbox="448 667 1437 900" style="border: 1px solid black; height: 100px;"></div>

Results comply	yes/no <input data-bbox="448 1890 585 1939" type="text"/>	Date/Initials <input data-bbox="612 1890 1437 1939" type="text"/>
Results approved	Date/Initials <input data-bbox="448 2002 1437 2051" type="text"/>	

## 9.1.3 SWSOPM 3: INCHING PANEL

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode switch (SWSOPM)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 3 "Inching panel"</li> <li>Press "Reset"</li> <li>Press "Start" and hold the button "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME42 "Operating mode: Inching mode panel")</li> <li>Operating mode "Inching panel" is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of ME 42</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in inching mode panel</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 1 "Automatic"</li> <li>Press "Reset"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME40 "Operating mode: Automatic")</li> <li>Operating mode "Inching panel" is not active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of ME 40</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>



Test result		yes/no
Acceptance criteria	• Test 1: SWSOPM 3 "Inching panel" is activated, Operating mode "Inching panel" is active	<input type="text"/>
	• Test 1: SWSOPM 3 "Inching panel" is activated, Message is displayed on control panel (ME 42)	<input type="text"/>
	• Test 2: SWSOPM 1 "Automatic" is activated, Operating mode "Inching panel" is not active	<input type="text"/>
	• Test2: SWSOPM 1 "Automatic" is activated, Message is displayed on control panel (ME 40)	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.1.4 SWSOPM 4: INCHING CABLE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode switch (SWSOPM)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Plug in inching cable</li> <li>Activate SWSOPM 4 "Inching cable"</li> <li>Run the machine with inching cable</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME 43 "Operating mode: Inching mode cable front")</li> <li>Operating mode "Inching cable" is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of ME 43</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in inching mode cable</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Remove inching cable</li> <li>Press "Reset"</li> <li>Activate SWSOPM 1 "Automatic"</li> <li>Press "Reset"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME 40 "Operating mode: Automatic")</li> <li>Operating mode "Inching cable" is not active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of ME 43</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result	yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>• Test 1: SWSOPM 4 "Inching cable" is activated, Operating mode "Inching cable" is active <input data-bbox="1305 293 1442 342" type="text"/></li> <li>• Test 1: SWSOPM 4 "Inching cable" is activated, Message is displayed on control panel (ME 43) <input data-bbox="1305 387 1442 436" type="text"/></li> <li>• Test 2: SWSOPM 1 "Automatic" is activated, Operating mode "Inching cable" is not active <input data-bbox="1305 481 1442 530" type="text"/></li> <li>• Test 2: SWSOPM 1 "Automatic" is activated, Message is displayed on control panel (ME 40) <input data-bbox="1305 575 1442 624" type="text"/></li> </ul>
Comments	<div data-bbox="448 672 1437 898" style="border: 1px solid black; height: 100px;"></div>

Results comply	yes/no <input data-bbox="448 1890 582 1935" type="text"/>	Date/Initials <input data-bbox="614 1890 1437 1935" type="text"/>
Results approved	Date/Initials <input data-bbox="448 2002 1437 2047" type="text"/>	

## 9.1.5 SWSOPM 6: OPEN STOP BRAKE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode switch (SWSOPM)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in inching mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 6 “Open stop brake”</li> <li>Select one of the drives</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Chosen drive can be moved manually</li> <li>Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>SWSOPM 6 “Open stop brake” is activated, chosen drive can be moved manually</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>SWSOPM 6 “Open stop brake” is activated, Warning is displayed on control panel</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.1.6 SWSOPM 7: ZERO DRIVE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode switch (SWSOPM)</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Servo drives are set to zero position</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Activate SWSOPM 7 "Zero drive"</li> <li>Choose one of the drives</li> <li>Confirm with the checkmark</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Drive is zeroed</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>SWSOPM 7 "Zero drive" is activated, Drive is zeroed</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.1.7 SWSOPM 8: INCHING SINGLE AXIS

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode switch (SWSOPM)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in inching mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 8 "Inching single axis"</li> <li>Select one of the robot axis</li> <li>Press "Start" and hold the button "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME47: "Operating mode: Inching mode single axis")</li> <li>Operating mode "Inching single axis" is active</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in inching mode single axis</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 1 "Automatic"</li> <li>Press "Reset"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME40 "Operating mode: Automatic")</li> <li>Operating mode "Inching single axis" is not active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: Operating mode „Inching single axis“ is active	<input type="text"/>
	• Test 1: Message is displayed on control panel (ME 47)	<input type="text"/>
	• Test 2: Operating mode „Inching single axis“ is not active	<input type="text"/>
	• Test 2: Message is displayed on control panel (ME 40)	<input type="text"/>
Comments	<input type="text"/>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.1.8 SWSOPM 11: INCHING INFEED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode switch (SWSOPM)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 11 “Inching infeed”</li> <li>Press “Reset”</li> <li>Press “Start” at the operating panel of the infeed system</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME49 “Operating mode: Inching mode infeed”)</li> <li>Operating mode “Inching infeed” is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of ME 49</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press “Stop”</li> <li>Press “Reset”</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in inching mode panel</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 1 “Automatic”</li> <li>Press “Reset”</li> <li>Press “Start”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel (ME40 “Operating mode: Automatic”)</li> <li>Operating mode “Inching infeed” is not active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of ME 40</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press “Stop”</li> <li>Press “Reset”</li> </ul>



Test result		yes/no
Acceptance criteria	• Test 1: SWSOPM 11 "Inching infeed" is activated, Operating mode "Inching panel" is active	<input type="text"/>
	• Test 1: SWSOPM 11 "Inching infeed" is activated, Message is displayed on control panel (ME 49)	<input type="text"/>
	• Test 2: SWSOPM 1 "Automatic" is activated, Operating mode "Inching infeed" is not active	<input type="text"/>
	• Test2: SWSOPM 1 "Automatic" is activated, Message is displayed on control panel (ME 40)	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.1.9 SWSOPM 60: LINE MODE DOWNSTREAM EQUIPMENT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode switch (SWSOPM)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 60 "Line mode downstream equipment"</li> <li>Press "Start"</li> <li>Create fault at downstream machine</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWSOPM 60 "Line mode downstream equipment"</li> <li>Press "Start"</li> <li>Try to create fault at downstream machine</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine is running in automatic mode</li> <li>Fault message is not displayed in control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: SWSOPM 60 "Line mode downstream equipment" is activated: Machine is in line mode. In case of faults fault message will be displayed on control panel and machine stops.	<input type="text"/>
	• Test 2: SWSOPM 60 "Line mode downstream equipment" is deactivated: Machine is not in line mode. In case of faults fault message is not displayed on control panel, machine continues run in automatic mode.	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.1.10 SWSOPM 62: MACHINE: AUTOMATIC RESTART

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode switch (SWSOPM)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>SWSOPM 60 "Line mode downstream equipment" is activated</li> <li>SWSOPM 62 "Machine: Automatic restart" is activated</li> <li>Line is running at reduced speed</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Create FLT 2041 "Robot 2:Emergency stop activated: Diskus belt"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine restarts automatically after acknowledgement of FLT 2041</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of FLT 2041</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWSOPM 62 "Machine: Automatic restart" is deactivated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press "Start"</li> <li>Create FLT 2041 "Robot 2:Emergency stop activated: Diskus belt"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Acknowledge FLT 2041</li> <li>Press "Reset"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine does not restarts automatically after acknowledgement of FLT 2041</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: SWSOPM 62 "Machine: Automatic restart" is activated, Machine restarts automatically after acknowledgement of the fault message	<input type="text"/>
	• Test 2: SWSOPM 62 "Machine: Automatic restart" is deactivated, Machine does not restart automatically after acknowledgement of the fault message	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.1.11 SWSOPM 63: LINE MODE UPSTREAM EQUIPMENT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode switch (SWSOPM)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 63 “Line mode upstream equipment”</li> <li>Activate SWS 400 “Robot 1”</li> <li>Activate SWS 500 “Robot 2”</li> <li>Press “Start”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine is running in line mode</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWSOPM 63 “Line mode upstream equipment”</li> <li>Deactivate SWS 400 “Robot 1”</li> <li>Deactivate SWS 500 “Robot 2”</li> <li>Press “Start”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine is running without product infeed</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: SWSOPM 63 "Line mode upstream equipment" is activated, Machine is running with product infeed	<input type="text"/>
	• Test 2: SWSOPM 63 "Line mode upstream equipment" is deactivated, Machine is running without product infeed	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.2 Test protocols - Function tests software switches operation mode drive (SWSOPM\_DRV)

### 9.2.1 SWSOPM\_DRV 1002: INSERTION

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Set drive "Insertion" mechanically to position "zero"</li> <li>Close guard door:</li> <li>Press "Reset"</li> <li>Activate SWSOPM 7 "Zero drive"</li> <li>Activate SWSOPM_DRV 1002</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Message is displayed on control panel "Do you really want to set drive to zero"</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>The position of the drive should not be adjusted, as it has already been adjusted.</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Message "Do you really want to set drive to zero" - Cancel input</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>SWSOPM_DRV 1002 "Insertion" is activated, Message is displayed on control panel "Do you really want to set drive to zero"</li> </ul> <input type="text"/>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.2.2 SWSOPM\_DRV 1003: PREINSERTION HORIZONTAL

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 6 "Open stop brake"</li> <li>Activate SWSOPM_DRV 1003</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Brake can be moved manually</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Brake is released/ open</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.2.3 SWSOPM\_DRV 1004: PREINSERTION VERTICAL

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 6 "Open stop brake"</li> <li>Activate SWSOPM_DRV 1004</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Brake can be moved manually</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Brake is released/ open</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.2.4 SWSOPM\_DRV 1007: CARTON SETUP

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 6 "Open stop brake"</li> <li>Activate SWSOPM_DRV 1007</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Brake can be moved manually</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Brake is released/ open</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.2.5 SWSOPM\_DRV 1008: LEAFLET DEVICE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Set drive "Insertion" mechanically to position "zero"</li> <li>Close guard door:</li> <li>Press "Reset"</li> <li>Activate SWSOPM 7 "Zero drive"</li> <li>Activate SWSOPM_DRV 1008</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel "Do you really want to set drive to zero"</li> </ul>
Comments	<ul style="list-style-type: none"> <li>The position of the drive should not be adjusted, as it has already been adjusted.</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Message "Do you really want to set drive to zero" - Cancel input</li> <li>Press "Reset"</li> </ul>

Test result	yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>SWSOPM_DRV 1008 "Leaflet device" is activated, Message is displayed on control panel "Do you really want to set drive to zero"</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.2.6 SWSOPM\_DRV 1015: MAIN DRIVE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Set drive mechanically to position "zero"</li> <li>Close guard door:</li> <li>Press "Reset"</li> <li>Activate SWSOPM 7 "Zero drive"</li> <li>Activate SWSOPM_DRV 1015 "Main drive"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel "Do you really want to set drive to zero"</li> </ul>
Comments	<ul style="list-style-type: none"> <li>The position of the drive should not be adjusted, as it has already been adjusted.</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Message "Do you really want to set drive to zero" - Cancel input</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>SWSOPM_DRV 1015 "Main drive" is activated, Message is displayed on control panel "Do you really want to set drive to zero"</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.2.7 SWSOPM\_DRV 1016: INSERTION TABLE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Set drive "Insertion" mechanically to position "zero"</li> <li>Close guard door:</li> <li>Press "Reset"</li> <li>Activate SWSOPM 7 "Zero drive"</li> <li>Activate SWSOPM_DRV 1016</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel "Do you really want to set drive to zero"</li> </ul>
Comments	<ul style="list-style-type: none"> <li>The position of the drive should not be adjusted, as it has already been adjusted.</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Message "Do you really want to set drive to zero" - Cancel input</li> <li>Press "Reset"</li> </ul>

Test result	yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>SWSOPM_DRV 1016 "Insertion table" is activated, Message is displayed on control panel "Do you really want to set drive to zero"</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.2.8 SWSOPM\_DRV 1017: CARTON ALIGNMENT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Set drive "Insertion" mechanically to position "zero"</li> <li>Close guard door:</li> <li>Press "Reset"</li> <li>Activate SWSOPM 7 "Zero drive"</li> <li>Activate SWSOPM_DRV 1017</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel "Do you really want to set drive to zero"</li> </ul>
Comments	<ul style="list-style-type: none"> <li>The position of the drive should not be adjusted, as it has already been adjusted.</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Message "Do you really want to set drive to zero" - Cancel input</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>SWSOPM_DRV 1017 "Carton alignment" is activated, Message is displayed on control panel "Do you really want to set drive to zero"</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.2.9 SWSOPM\_DRV 1054: ROBOT 1: DRILL AXIS

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 6 "Open stop brake"</li> <li>Activate SWSOPM_DRV 1054</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Brake can be moved manually</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Brake is released/ open</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.2.10 SWSOPM\_DRV 1055: ROBOT 1

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press button "CAR1-W150-S20P"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Brake can be moved manually</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Brake is released/ open</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.2.11 SWSOPM\_DRV 1059: ROBOT 2: DRILL AXIS

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 6 "Open stop brake"</li> <li>Activate SWSOPM_DRV 1059</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Brake can be moved manually</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Brake is released/ open</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.2.12 SWSOPM\_DRV 1060: ROBOT 2

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press button "CAR1-W250-S20P"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Brake can be moved manually</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result	yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Brake is released/ open</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.2.13 SWSOPM\_DRV 1061: ROBOT 1: CYCLE BELT 1

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 6 "Open stop brake"</li> <li>Activate SWSOPM_DRV 1061</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Brake can be moved manually</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Brake is released/ open</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.2.14 SWSOPM\_DRV 1062: ROBOT 1: CYCLE BELT 2

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of operating mode drive (SWSOPM_DRV)</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 6 "Open stop brake"</li> <li>Activate SWSOPM_DRV 1062</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Brake can be moved manually</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Brake is released/ open</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.3 Test protocols - Function tests software switches (SWS)

#### 9.3.1 SWS 52: COMPRESSED AIR

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 405 "Robot 1: Call product"</li> <li>Activate SWS 52</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Robot 1 is running</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Robot 1 is running</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 52</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Robot 1 stops running</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: If SWS 52 is activated, the robot 1 is running	<input type="text"/>
	• Test 2: If SWS 52 is deactivated, the robot 1 stops running	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.2 SWS 53: PERMANENT READING CODE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 53 "Permanent reading code"</li> <li>Activate button for network navigator keyence and log in</li> <li>Within the menu select the active format</li> <li>Open "Production"</li> <li>Select "code reader, sensor carton"</li> <li>In navigator keyence setup select "diagnose"</li> <li>Place carton in front of reading head of carton</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Code is displayed on control panel within the "Keyence navigator-menu"</li> <li>Code reading is active at standstill</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Code reading is active at standstill</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 53 "Permanent reading code"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Code is not displayed on control panel within the "Keyence navigator-menu"</li> <li>Code reading is not active at standstill</li> </ul>
Comments	<ul style="list-style-type: none"> <li>During continuous code reading a lamp at the code reader carton is blinking</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Deactivate SWS 53 "Permanent reading code"</li> </ul>



Test result		yes/no
Acceptance criteria	• Test 1: Code is displayed on control panel within the "Keyence navigator-menu"	<input type="text"/>
	• Test 1: Code reading is active at standstill	<input type="text"/>
	• Test 2: Code is not displayed on control panel within the "Keyence navigator-menu"	<input type="text"/>
Comments	• Test 2: Code reading is not active at standstill	<input type="text"/>
	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.3 SWS 54: VACUUM

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 208 "Continuous call carton"</li> <li>Activate SWS 54 "Vacuum"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Vacuum pump is running</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Vacuum pump is running</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 54 "Vacuum"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Vacuum pump is not running</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"><li>Test 1: If SWS 54 "Vacuum" is activated, the vacuum pump is running</li></ul>	<input type="text"/>
	<ul style="list-style-type: none"><li>Test 2: If SWS 54 "Vacuum" is deactivated, the vacuum pump is not running</li></ul>	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.4 SWS 56: MACHINE INSIDE LIGHT OFF

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 56 "Machine inside light off"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Lamps in production room don't shine</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
	<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 56 "Machine inside light off"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Lamps in production room shine</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: SWS 56 "Machine inside light off" is activated: Lamps in production room don't shine</li> <li>Test 2: SWS 56 "Machine inside light off" is deactivated: Lamps in production room shine</li> </ul>	<input type="text"/> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.3.5 SWS 100: INSERT DEFECTIVE PRODUCT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 100 "Insert defective product"</li> <li>Insert leaflet with faulty code in stack</li> <li>Insert some product in the infeed</li> <li>Press "Start"</li> <li>Call some products</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Carton with faulty leaflet is loaded but ejected on discharge belt</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 100 "Insert defective product"</li> <li>Insert leaflet with faulty code in stack</li> <li>Insert some product in the infeed</li> <li>Press "Start"</li> <li>Call some products</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Leaflet is ejected</li> <li>No carton call</li> <li>Product is ejected at insertion</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: SWS 100 is activated: In case of defective product or defective leaflet, carton will be loaded but rejected on discharge belt	<input type="text"/>
	• Test 2: SWS 100 is deactivated: In case of defective product or defective leaflet, product will be rejected without loading	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.6 SWS 106: CONTINUOUS INSERTION

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 106 "Continuous insertion"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Insertion pushers are activated</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 106 "Continuous insertion"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Insertion pushers are deactivated</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: Insertion pushers are activated	<input type="text"/>
	• Test 2: Insertion pushers are deactivated	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	



## 9.3.7 SWS 119: CONTINUOUS PREINSERTION

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 119 "Continuous preinsertion"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Preinsertion moves in continuous operation</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
	<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 119 "Continuous preinsertion"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Preinsertion does not move</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: Preinsertion moves in continuous operation</li> <li>Test 2: Preinsertion does not move</li> </ul>	<input type="text"/> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.8 SWS 120: PREINSERTION UPPER FRONT POSITION

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Testdurchführung</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Guard doors are closed</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 120 "Preinsertion upper front position"</li> <li>Press "Reset"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Preinserter moves into an upper front position (assembly position)</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
	<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Guard doors are closed</li> <li>Preinserter is in upper front position</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 120 "Preinsertion upper front position"</li> <li>Press "Reset"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Preinserter moves back to original position</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: Preinserter moves into an upper front position (assembly position)</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Test 2: Preinserter moves back to original position</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.9 SWS 121: PREINSERTION PLATE 1 DOWN

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Preinsertion is located outside of folding carton</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 121 "Preinsertion plate 1 down"</li> <li>Press "Reset"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Plate 1 at preinsertion lowers</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>Plate 1 at preinsertion lowers only if it is located outside folding carton</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
	<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Preinsertion is located outside of folding carton</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 121 "Preinsertion plate 1 down"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Plate 1 at preinsertion raises</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>Plate 1 at preinsertion lowers only if it is located outside folding carton</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: If SWS 121 is activated plate 1 at preinsertion lowers</li> <li>Test 2: If SWS 121 is deactivated plate 1 at preinsertion raises</li> </ul>	<input type="text"/> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.10 SWS 122: PREINSERTION PLATE 2 DOWN

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Preinsertion is located outside of folding carton</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 122 "Preinsertion plate 2 down"</li> <li>Press "Reset"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Plate 2 at preinsertion lowers</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>Plate 2 at preinsertion lowers only if it is located outside folding carton</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
	<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Preinsertion is located outside of folding carton</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 122 "Preinsertion plate 2 down"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Plate 2 at preinsertion raises</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>Plate 2 at preinsertion lowers only if it is located outside folding carton</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: If SWS 122 is activated plate 2 at preinsertion lowers</li> <li>Test 2: If SWS 122 is deactivated plate 2 at preinsertion raises</li> </ul>	<input type="text"/> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	



## 9.3.11 SWS 123: PREINSERTION PLATE 3 DOWN

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Preinsertion is located outside of folding carton</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 123 "Preinsertion plate 3 down"</li> <li>Press "Reset"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Plate 3 at preinsertion lowers</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>Plate 3 at preinsertion lowers only if it is located outside folding carton</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
	<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Preinsertion is located outside of folding carton</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 123 "Preinsertion plate 3 down"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Plate 3 at preinsertion raises</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>Plate 3 at preinsertion lowers only if it is located outside folding carton</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: If SWS 123 is activated plate 3 at preinsertion lowers</li> <li>Test 2: If SWS 123 is deactivated plate 3 at preinsertion raises</li> </ul>	<input type="text"/> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.12 SWS 124: PREINSERTION PLATE 4 DOWN

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Preinsertion is located outside of folding carton</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 124 "Preinsertion plate 4 down"</li> <li>Press "Reset"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Plate 4 at preinsertion lowers</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>Plate 4 at preinsertion lowers only if it is located outside folding carton</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
	<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Preinsertion is located outside of folding carton</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 124 "Preinsertion plate 4 down"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Plate 4 at preinsertion raises</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>Plate 4 at preinsertion lowers only if it is located outside folding carton</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: If SWS 124 is activated plate 4 at preinsertion lowers</li> <li>Test 2: If SWS 124 is deactivated plate 4 at preinsertion raises</li> </ul>	<input type="text"/> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.13 SWS 127: PREINSERTION

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 127 "Preinsertion"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Preinsertion is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> </ul>	
	<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 127 "Preinsertion"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Preinsertion is not active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: If SWS 127 "Preinsertion" is activated, preinsertion is active</li> <li>Test 2: If SWS 127 "Preinsertion" is deactivated, preinsertion is not active</li> </ul>	<input type="text"/> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.14 SWS 200: CODE READER CARTON

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Prepare two (2) cartons with wrong / manipulated carton code</li> <li>Product is available</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Insert cartons with wrong / manipulated code into magazine</li> <li>Activate SWS 200 "Code reader carton"</li> <li>Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Wrong or non-coded cartons are ejected</li> </ul>
<b>TEST 2</b>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Insert cartons with wrong / manipulated code into magazine</li> <li>Deactivate SWS 200 "Code reader carton"</li> <li>Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Wrong or non-coded cartons are not recognized and ejected</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Activate SWS 200 "Code reader carton"</li> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: SWS200 is activated: wrong or non-coded cartons are ejected	<input type="text"/>
	• Test 2: SWS200 is deactivated: wrong or non-coded cartons are not recognized and ejected	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	



## 9.3.15 SWS 201: CARTON LASER PRINTING

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 63 "Line mode upstream equipment"</li> <li>Activate SWS 201 "Carton laser printer"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine is running in line mode</li> <li>Laser printer unit is running</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWSOPM 63 "Line mode upstream equipment" is activated</li> <li>SWS 201 "Carton laser printer" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press "Start"</li> <li>Deactivate SWS 201 "Carton laser printer"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Carton laser unit stops running</li> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"><li>Test 1: If SWS 201 "Carton laser printer" is activated: Machine is in line mode and laser printer unit is running.</li><li>Test 2: If SWS 201 "Carton laser printer" is deactivated: Machine is in line mode but carton laser unit is not running. In case of faults fault message will be displayed on control panel and machine stops.</li></ul>	<div></div> <div></div>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<div></div>	<div></div>
Results approved	Date/Initials	
	<div></div>	

## 9.3.16 SWS 203: BLOWING AIR CARTON

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Folded cartons are available</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 203 "Blowing air carton"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Folding of the side flap is supported by blowing air</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST 2</b>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 203 "Blowing air carton"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Folding of the side flap is not supported by blowing air</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: Folding of the side flap is supported by blowing air	<input type="text"/>
	• Test 2: Folding of the side flap is not supported by blowing air	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.17 SWS 208: CONTINUOUS CALL CARTON

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Cartons are available</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 54 "Vacuum" (only with vacuum pump...)</li> <li>Activate SWS 208 "Continuous call carton"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Folding cartons are drawn off and erected without product with each cycle</li> </ul>
Comments	<ul style="list-style-type: none"> <li>No packaged goods required for the function "Continuous call carton"</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>Cartons are available</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 208 "Continuous call carton"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Cartons are not drawn off and not erected without product with each cycle</li> </ul>
Comments	<ul style="list-style-type: none"> <li>No packaged goods required for the function "Continuous call carton"</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: Folding cartons are drawn off and erected without product with each cycle	<input type="text"/>
	• Test 2: Folding cartons are not drawn off and not erected without product with each cycle	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.18 SWS 256: CHECK CARTON OPEN COVER FLAP

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Product is available</li> <li>SWS 256 "Check carton open cover flap" is activated</li> <li>Counter 256 "Carton: Consecutive fault open flap" is set to 3</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press "Start"</li> <li>Press "Stop" until some cartons has been closed</li> <li>Put out one cover flap of the carton before the cartons reach the sensors "CAR1.B86-B01"/ "CAR1.B86-B02"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Carton with open cover flap is detected</li> <li>Carton with open cover flap is carried out as bad</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>TEST 2</b>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 256 "Check carton open cover flap"</li> <li>Press "Start"</li> <li>Press "Stop" until some cartons has been closed</li> <li>Put out one cover flap of the carton before the cartons reach the sensors "CAR1.B86-B01"/ "CAR1.B86-B02"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Carton with open cover flap is not detected</li> <li>Carton with open cover flap is carried out as good</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"><li>Test 1: If SWS 256 "Check carton open cover flap" is activated: Carton with open cover flap is detected</li><li>Test 2: If SWS 256 "Check carton open cover flap" is deactivated: Carton with open cover flap is not detected</li></ul>	<div></div> <div></div>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<div></div>	<div></div>
Results approved	Date/Initials	
	<div></div>	



## 9.3.19 SWS 257: CHECK CARTON OPEN SIDE FLAP

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Product is available</li> <li>SWS 257 "Check carton open side flap" is activated</li> <li>Counter 257 "Carton: Consecutive fault open flap" is set to 3</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press "Start"</li> <li>Press "Stop" until some cartons has been closed</li> <li>Put out one side flap of the carton before the cartons reach the sensors "CAR1.B86-B03"/ "CAR1.B86-B04"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Carton with open side flap is detected</li> <li>Carton with open side flap is carried out as bad</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>TEST 2</b>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 257 "Check carton open side flap"</li> <li>Press "Start"</li> <li>Press "Stop" until some cartons has been closed</li> <li>Put out one side flap of the carton before the cartons reach the sensors "CAR1.B86-B03"/ "CAR1.B86-B04"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Carton with open side flap is not detected</li> <li>Carton with open side flap is carried out as good</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"><li>Test 1: If SWS 257 "Check carton open side flap" is activated: Carton with open side flap is detected</li></ul>	<input type="text"/>
	<ul style="list-style-type: none"><li>Test 2: If SWS 257 "Check carton open side flap" is deactivated: Carton with open side flap is not detected</li></ul>	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.20 SWS 300: LEAFLET DEVICE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode with product</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 300 "Leaflet device"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Leaflet device is active</li> <li>Leaflets are called</li> </ul>	
	<b>TEST 2</b>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 300 "Leaflet device"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Leaflet device is not active</li> <li>Leaflets are not called</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: SWS 300 is activated: Leaflet device is active, leaflets are called</li> <li>Test 2: SWS 300 is deactivated: Leaflet device is not active, leaflets are not called</li> </ul>	<input type="text"/> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.3.21 SWS 302: CODE READER LEAFLET REAR

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Prepare the leaflet with the manipulated code (e.g. use a black pen to draw an additional line in the code or combine two narrow lines to form a thick line).</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 300 "Leaflet device"</li> <li>Activate SWS 302 "Code reader leaflet rear"</li> <li>Insert leaflets with wrong or manipulated code (rear)</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>All wrong or non-coded leaflets are ejected</li> <li>Counter "Code reader rear" increases by one per defective leaflet</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Consecutive fault after repeated defective leaflets</li> <li>Leaflet ejection in leaflet unit</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Prepare the leaflet with the manipulated code (e.g. use a black pen to draw an additional line in the code or combine two narrow lines to form a thick line).</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 300 "Leaflet device"</li> <li>Deactivate SWS 302 "Code reader leaflet rear"</li> <li>Insert leaflets with wrong or manipulated code (rear)</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>All wrong or non-coded leaflets are not ejected</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Leaflet ejection in leaflet unit</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result	yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>• Test 1: If SWS 302 "Code reader leaflet rear" is activated, all wrong or non-coded leaflets are ejected <input data-bbox="1305 293 1442 342" type="text"/></li> <li>• Test 1: If SWS 302 "Code reader leaflet rear" is activated, counter "Code reader rear" increases by one per defective leaflet <input data-bbox="1305 387 1442 436" type="text"/></li> <li>• Test 2: If SWS 302 "Code reader leaflet rear" is deactivated, leaflets with wrong or missing code on rear side are not ejected <input data-bbox="1305 481 1442 530" type="text"/></li> </ul>
Comments	<input data-bbox="448 577 1437 808" type="text"/>

Results comply	yes/no <input data-bbox="448 1888 584 1937" type="text"/>	Date/Initials <input data-bbox="616 1888 1437 1937" type="text"/>
Results approved	Date/Initials <input data-bbox="448 2000 1437 2049" type="text"/>	

## 9.3.22 SWS 303: CHECK LEAFLET PRESENT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Run the machine with product</li> <li>Activate SWS 300 "Leaflet device"</li> <li>Deactivate SWS 303 "Check Leaflet present"</li> <li>Press "Stop"</li> <li>Open guard and remove leaflet out of carton before leaflet sensor "=CAR1.B75-B04"</li> <li>Press "Reset"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Carton without leaflet will not be ejected</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Run the machine with product</li> <li>Activate SWS 300 „Leaflet device“</li> <li>Activate SWS 303 "Check Leaflet present"</li> <li>Press "Stop"</li> <li>Open guard and remove leaflet out of carton before leaflet sensor "=CAR1.B75-B04"</li> <li>Press "Reset"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Carton without leaflet will be ejected</li> <li>Counter 315 "Leaflet: Fault cross check in carton" increases by one per defective leaflet</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: SWS 303 "Check Leaflet present" is deactivated: Carton without leaflet will not be ejected	<input type="text"/>
	• Test 2: SWS 303 "Check Leaflet present" is activated: Carton without leaflet will be ejected	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.23 SWS 304: INSERT DEFECTIVE LEAFLET

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 304 "Insert defective leaflet"</li> <li>Insert leaflet with faulty code in stack</li> <li>Insert some product in the infeed</li> <li>Press "Start"</li> <li>Call some products</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Carton with faulty leaflet is loaded but ejected on discharge belt</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 304 "Insert defective leaflet"</li> <li>Insert leaflet with faulty code in stack</li> <li>Insert some product in the infeed</li> <li>Press "Start"</li> <li>Call some products</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Leaflet is ejected</li> <li>No carton call</li> <li>Product is ejected at insertion</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>



Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"><li>Test 1: SWS 304 is activated: In case of defective leaflet, leaflet will be loaded but rejected on discharge belt</li><li>Test 2: SWS 304 is deactivated: In case of defective leaflet, leaflet will be rejected without loading</li></ul>	<div></div> <div></div>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<div></div>	<div></div>
Results approved	Date/Initials	
	<div></div>	

## 9.3.24 SWS 307: CONTINUOUS CALL LEAFLET

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 300 "Leaflet device"</li> <li>Activate SWS 54 "Vacuum" (only with vacuum pump...)</li> <li>Activate SWS 307 "Continuous call leaflet"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Leaflets are drawn off and folded without product with each cycle</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 300 "Leaflet device"</li> <li>Activate SWS 54 "Vacuum" (only with vacuum pump...)</li> <li>Deactivate SWS 307 "Continuous call leaflet"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Leaflets are not drawn off and folded without product with each cycle</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result	yes/no
Acceptance criteria	<ul style="list-style-type: none"><li>• Test 1: SWS 307 "Continuous call leaflet" is activated, Leaflets are drawn off and folded without product with each cycle <input type="text"/></li><li>• Test 2: SWS 307 "Continuous call leaflet" is deactivated, Leaflets are not drawn off and folded without product with each cycle <input type="text"/></li></ul>
Comments	<div></div>

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.25 SWS 400: ROBOT 1

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 400 "Robot 1"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>"Robot 1" is active</li> </ul>	
	<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Cartoning machine is running and "Robot 1" is active</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Deactivate SWS 400 "Robot 1"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>"Robot 1" stops and is not active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: If SWS 400 "Robot 1" is activated, "Robot 1" is active</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Test 2: If SWS 400 "Robot 1" is deactivated, "Robot 1" stops and is not active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.3.26 SWS 401: ROBOT 1: RUN EMPTY

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 401 "Robot 1: Run empty"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Cartoning machine starts operation and product on infeed belt run empty</li> <li>Machine is running with predefined cycles</li> </ul>	
	<b>TEST 2</b>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 401 "Robot 1: Run empty"</li> <li>Press "Stop"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Cartoning machine and product infeed stop</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: If SWS 401 "Robot 1: Run empty" is activated, infeed belt runs empty and stops automatically after predefined cycles</li> <li>Test 2: If SWS 401 "Robot 1: Run empty" is deactivated, cartoning machine and product infeed stop</li> </ul>	<input type="text"/> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.3.27 SWS 405: ROBOT 1: CALL PRODUCT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 405 "Robot 1: Call product"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Cartoning machine is running and products are called at the infeed</li> </ul>	
	<b>TEST 2</b>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 405 "Robot 1: Call product"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>No products are called</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: If SWS 405 "Robot 1: Call product" is activated, products are called at the infeed belt</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Test 2: If SWS 405 "Robot 1: Call product" is deactivated, no products are called at infeed belt</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.3.28 SWS 500: ROBOT 2

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 500 "Robot 2"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Robot 2 is active</li> </ul>	
	<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Cartoning machine is running and Robot 2 is active</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Deactivate SWS 500 "Robot 2"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>"Robot 2" stops and is not active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: If SWS 500 "Robot 2" is activated, "Robot 2" is active</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Test 2: If SWS 500 "Robot 2" is deactivated, "Robot 2" stops and is not active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.3.29 SWS 505: ROBOT 2: CALL PRODUCT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 500 "Robot 2" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 505 "Robot 2: Call product"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Cartoning machine is running and products are called at the infeed</li> </ul>
<b>TEST 2</b>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 505 "Robot 2: Call product"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>No products are called</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: If SWS 505 "Robot 2: Call product" is activated, products are called at the product infeed <input type="text"/></li> <li>Test 2: If SWS 505 "Robot 2: Call product" is deactivated, no products are called at infeed belt <input type="text"/></li> </ul>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.3.30 SWS 900: BROCHURE INFEED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 900 "Brochure infeed"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Infeed of brochures is running</li> </ul>	
	<b>TEST 2</b>	
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 900 "Brochure infeed"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Cartoning line is in operation without brochures infeed</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: If SWS 900 "Brochure infeed" is activated, infeed of brochures is running</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Test 2: If SWS 900 "Brochure infeed" is deactivated, cartoning line is in operation without brochures infeed</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.3.31 SWS 901: BROCHURE INFEEED: CODE READER

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Prepare brochures with manipulated code (e.g. put a line between the code with a black pen or combine two small lines to one bold line)</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 900 "Brochure infeed"</li> <li>Activate SWS 901 "Brochure infeed: Code reader"</li> <li>Insert the brochures with wrong or manipulated code</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Manipulated brochures and product are rejected, no carton call</li> <li>Counter 901 "Brochure infeed: Consecutive fault code reading" increases by one per manipulated brochure code</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 901 "Brochure infeed: Code reader"</li> <li>Insert brochures with wrong or manipulated code</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Manipulated brochure is packed together with the product into the carton</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: If SWS 901 "Brochure infeed: Code reader" is activated, brochure will be rejected in case of wrong code	<input type="text"/>
	• Test 1: If SWS 901 "Brochure infeed: Code reader" is activated, counter 901 "Brochure infeed: Consecutive fault code reading" increases by one per manipulated brochure code	<input type="text"/>
	• Test 2: If SWS 901 "Insertion: Code reader" is deactivated, insert is inserted into carton together with product	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.32 SWS 902: BROCHURE INFEED: CONTINUOUS CALL

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> <li>SWS 900 "Brochure infeed" is activated</li> <li>SWS 902 "Brochure infeed: Continuous call" is activated</li> <li>The magazine belt of the brochure infeed is empty</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>The brochure infeed can be started without product (brochures)</li> <li>The brochures are called continuously</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>
<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Deactivate SWS 902 "Brochure infeed: Continuous call"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>The brochure infeed cannot be started</li> <li>No brochures are called</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	• Test 1: If SWS 902 "Brochure infeed: Continuous call" is activated, brochures are called continuously	<input type="text"/>
	• Test 2: If SWS 902 "Brochure infeed: Continuous call" is deactivated, no brochures are called	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.33 SWS 2001: ROBOT 2: RUN WITH FLOW-PACK

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>	
<b>Test procedure</b>		
	<b>TEST 1</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWSOPM 63 "Line mode upstream equipment" is activated</li> <li>SWS 400 "Robot 1" is activated</li> <li>SWS 500 "Robot 2" is activated</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 2001 "Robot 2: Run with Flow-Pack"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Machine is running with flow-packs</li> </ul>	
	<b>TEST 2</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Cartoning machine is running with flow-packs</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Press "Stop"</li> <li>Deactivate SWS 2001 "Robot 2: Run with Flow-Pack"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>Test 1: SWS 2001 "Robot 2: Run with Flow-Pack" is activated: Machine is running with flow-packs</li> <li>Test 2: SWS 2001 "Robot 2: Run with Flow-Pack" is deactivated: Fault message is displayed on control panel</li> <li>Test 2: SWS 2001 "Robot 2: Run with Flow-Pack" is deactivated: Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/> <input type="text"/> <input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.3.34 SWS 2002: CODE READER GLUED-IN BROCHURE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Function test of software switch (SWS)</li> </ul>
<b>Test procedure</b>	
<b>TEST 1</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Prepare two (2) booklets with wrong / manipulated code</li> <li>Product is available</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Insert booklets with wrong / manipulated code into magazine</li> <li>Activate SWS 2002 "Code reader glued-in brochure"</li> <li>Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Wrong or non-coded booklets are ejected</li> </ul>
<b>TEST 2</b>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Insert booklets with wrong / manipulated code into magazine</li> <li>Deactivate SWS 2002 "Code reader glued-in brochure"</li> <li>Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Wrong or non-coded booklets are not recognized and ejected</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Activate SWS 2002 "Code reader glued-in brochure"</li> <li>Press "Stop"</li> <li>Press "Reset"</li> </ul>



Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"><li>• Test 1: SWS2002 is activated: wrong or non-coded booklets are ejected</li></ul>	<input type="text"/>
	<ul style="list-style-type: none"><li>• Test 2: SWS200 is deactivated: wrong or non-coded booklets are not recognized and ejected</li></ul>	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.4 Test protocols - Messages (ME)

### 9.4.1 ME 25: BATCH CONTROL: BATCH IS INTERRUPTED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>A released recipe is active</li> <li>A new batch has been created but not started</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Start batch</li> <li>Press "Interrupt" on "Batch control"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>Test can be done together with test of ME 27</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Press "Interrupt" button and confirm indicated message to activate the batch again</li> </ul>
<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul> <input type="text"/>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.4.2 ME 26: BATCH CONTROL: BATCH IS NOT ACTIVE

<b>Test objective</b>	<ul style="list-style-type: none"><li>• Test whether correct message is displayed on control panel</li></ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"><li>• Machine is ready in automatic mode</li></ul>
Required operations	<ul style="list-style-type: none"><li>• Release a recipe</li></ul>
Consequence	<ul style="list-style-type: none"><li>• Message is displayed on control panel</li></ul>
Comments	<ul style="list-style-type: none"><li>• None</li></ul>
Acknowledgement	<ul style="list-style-type: none"><li>• None</li></ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"><li>• Message is displayed on control panel</li></ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.4.3 ME 27: BATCH CONTROL: BATCH IS ACTIVE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>A released recipe is active</li> <li>A new batch has been created</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Start batch</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>Test can be done together with test of ME 25 and ME 26</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Press "finish" on "Batch control" and confirm indicated message</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>	<input type="text"/>
<b>Comments</b>	<input type="text"/>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.4.4 ME 40: OPERATING MODE: AUTOMATIC

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 1 "Automatic"</li> <li>Press "Reset"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of SWSOPM 1</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul> <input type="text"/>
Comments	<input type="text"/>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.4.5 ME 41: OPERATING MODE: SETUP

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 2 "Setup"</li> <li>Press "Reset"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of SWSOPM 2</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.4.6 ME 42: OPERATING MODE: INCHING MODE PANEL

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 3 "Inching panel"</li> <li>Close all guard doors</li> <li>Press "Reset"</li> <li>Press "Start" and hold the button "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel as long as the button "Start" is pressed"</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of SWSOPM 3</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.4.7 ME 43: OPERATING MODE: INCHING MODE CABLE FRONT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• Machine is ready in inching mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Plug in “inching cable front”</li> <li>• Activate SWSOPM 4 “Inching cable”</li> <li>• Close all guard doors</li> <li>• Press “Reset”</li> <li>• Press button on “inching cable front”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• Message is displayed on control panel as long as the button on inching cable is pressed“</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• Test can be done together with test of SWSOPM 4</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• None</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>• Message is displayed on control panel</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.4.8 ME 47: OPERATING MODE: INCHING MODE SINGLE AXES

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in inching mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 8 "Inching single axis"</li> <li>Activate SWSOPM_DRV 1054 "Robot 1: Drill axis"</li> <li>Press "Start" and hold the button</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.4.9 ME 49: OPERATING MODE: INCHING MODE INFEED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 11 "Inching infeed"</li> <li>Press "Start" at the operating panel of the infeed system</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.4.10 ME 160: MACHINE: OPERATIONAL

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>No fault messages pending</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Press "Reset" in case of pending fault messages</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.4.11 ME 448: ROBOT 1: REFERENCE RUN

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Robot arm is not installed</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 9 "Infeed: Reference run"</li> <li>Confirm indicated message</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> <li>Reference run of robot is performed</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.4.12 ME 548: ROBOT 2: REFERENCE RUN

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Robot arm is not installed</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 9 "Infeed: Reference run"</li> <li>Confirm indicated message</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> <li>Reference run of robot is performed</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Message is displayed on control panel</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.5 Test protocols - Warnings (WA)

### 9.5.1 WA 27: CONTROL-PC: M-GUARD ENABLED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Turn key at control cabinet to "I" to enable M-Guard</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Switch off key</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.5.2 WA 28: CONTROL-PC: REMOTE MAINTENANCE ENABLED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct warning message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Enable M-Guard with key at control cabinet</li> <li>• In menu "Setup" activate button "Service" and following "Remote control"</li> <li>• Activate "Remote control"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• A window with "Remote control software successful started!" opens</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Press "ok"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• Switch off "Remote control"</li> <li>• Disable M-Guard with key at control cabinet</li> </ul>

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>• Warning is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.5.3 WA 29: OPERATOR: NO USER LOGGED IN

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>User is logged in</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Log out user</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Window "Please log in first!" is displayed on control panel</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Log in user</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as warning is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.5.4 WA 45: CONTROL CABINET: UPS NOT READY

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Switch off the machine at the main switch</li> <li>Wait until all LED lamps on the display of the USV are off completely</li> <li>Remove USV (XUSB in)</li> <li>Switch on the machine</li> <li>Log in a user</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Together with the warning message FLT 45 "CONTROLCABINET: UPS NOT READY" is displayed on control panel</li> <li>In order to acknowledge the fault message follow: menu "system configuration" &gt; submenu "diagnostic" &gt; Button "device diagnostic" &gt; submenu "diagnostic USV" &gt; Press button "Monitoring USV off"</li> <li>The simulation of the warning WA "45" can be done together with fault message FLT "45"</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close the HMI and shut down the IPC</li> <li>Switch off the main switch</li> <li>Reconnect the USV</li> <li>Switch on the main switch</li> <li>Log in a user</li> </ul>

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.5.5 WA 220: CARTON: PREWARNING LOW STOCK - IB32\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Remove folding cartons from the magazine until sensor “=CAR1.B32-B01” is uncovered</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Fill cartons into magazine</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.5.6 WA 380: LEAFLET INSERTER TURRET MAGAZINE: PREWARNIN LOW LEVEL

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect input: "CAR1.X161-KI02:2"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect input: "CAR1.X161-KI02:2"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.5.7 WA 381: LEAFLET INSERTER TURRET MAGAZINE: NOT READY

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect input: "CAR1.X161-KI02:3"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect input: "CAR1.X161-KI02:3"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.5.8 WA 800: LEAFLET INSERTER : MINIMAL SUPPLY

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Leaflets are available</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Activate SWS 300 "Leaflet device"</li> <li>Call up leaflets until these are below the sensor "IX161" for minimum accumulation</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul> <input type="text"/>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.5.9 WA 900: BROCHURE INFEED: MINIMAL SUPPLY

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Brochures are available</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 900 "Brochure infeed"</li> <li>Call up brochures until this are below the sensor for minimum accumulation</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.5.10 WA 980: BROCHURE INFEED: TURRET MAGAZINE: MINIMAL SUPPLY

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Brochures are available</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 900 "Brochure infeed"</li> <li>Disconnect input "CAR1.X261-KI02:2"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.5.11 WA 981: BROCHURE INFEED: TURRET MAGAZINE: NOT IN OPERATION MODE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 900 "Brochure infeed" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect input "CAR1.X261-KI02:3"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect input</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.5.12 WA 2001: ROBOT 1: UPLINE MACHINE IS NOT RUNNING

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect input: "CAR1.W150-KI10:4"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect input: "CAR1.W150-KI10:4"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.5.13 WA 2002: ROBOT 2: UPLINE MACHINE IS NOT RUNNING

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 500 "Robot 2" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect input: "CAR1.W250-KI10:1"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect input: "CAR1.W250-KI10:1"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.5.14 WA 2003: ROBOT 2: DOWNLINE MACHINE IS NOT READY

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 500 "Robot 2" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect input: "CAR1.W250-KI10:16"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect input: "CAR1.W250-KI10:16"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Warning is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6 Test protocols - Faults (FLT)

### 9.6.1 FLT 3: OPERATOR: NORMAL STOP ACTIVATED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Press "Stop"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.2 FLT 4: OPERATOR: INCORRECT OPERATING MODE SELECTED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Activate SWSOPM 4 "Inching cable"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Activate SWSOPM 2 "Setup"</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.3 FLT 5: COMPRESSED AIR: MONITORING INLET PRESSURE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Close the compressed air supply on cartoning machine</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Open the compressed air supply on cartoning machine</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.4 FLT 6: ETHERCAT: FAULT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect ethernet plug</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Observe without fail! Control Cabinet door is open!</li> <li>Additionally other fault messages are displayed on control panel</li> <li>The variable contains further information about ethercat connection</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect ethernet plug</li> <li>Switch off the main switch of the machine</li> <li>Switch on the main switch of the machine</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.5 FLT 7: COMPRESSED AIR: MONITORING SAFE SHUTDOWN

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Disconnect “=CAR1.G95-Q01:S1”</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect “=CAR1.G95-Q01:S1”</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.6.6 FLT 11: MOTION DRIVES: OVERLOAD POWER SUPPLY - IK00\_Q10

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect input: “=CAR1.K00-KI04:10“</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect input: “=CAR1.K00-KI04:10“</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.7 FLT 17: OPERATOR: OPERATING MODE CHANGE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in setup mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Change over to automatic mode</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.8 FLT 22: VACUUM: OVERLOAD PUMP

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Switch off protective motor switch: “=CAR1.G05-Q10“</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Switch on protective motor switch: “=CAR1.G05-Q10“</li> <li>Press “Reset”</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.9 FLT 23: VACUUM: MONITORING NEGATIVE PRESSURE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Activate SWS 54 "Machine vacuum"</li> <li>Disconnect sensor "=CAR1.G05-B80"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: "=CAR1.G05-B80"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	Machine stops	<input type="text"/>
	Fault message is displayed on control panel	<input type="text"/>
	Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.10 FLT 34: MACHINE: REPAIR SWITCH DRIVES SWITCHED OFF - IW00\_Q02

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Switch off the repair switch</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Switch on the repair switch</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.11 FLT 35: CONTROL CABINET: MONITORING MAIN SWITCH - IW00\_Q01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Switch off main switch and switch on immediately</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Switch off the main switch of the machine</li> <li>Switch on the main switch of the machine</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.12 FLT 42: CONTROL CABINET S1: OVERTEMPERATURE - IW00\_B13

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Adjust value of temperature controller “=CAR1.W00-B13” less than the actual temperature in the control cabinet</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Set temperature controller “=CAR1.W00-B13” back to previous value of 45 °C</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.13 FLT 79: EMERGENCY STOP ACTIVATED: LINE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• Line is running at reduced speed</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Press “EMERGENCY STOP” strike button of downstream/ upstream machine</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• Line stops</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• Unlock “EMERGENCY STOP” strike button of downstream/ upstream machine</li> <li>• Press “Reset”</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>• Line stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>• Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>• Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



### 9.6.14 FLT 81: EMERGENCY STOP ACTIVATED: OPERATING PANEL - IF91\_S90

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is running with reduced speed</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Press "EMERGENCY STOP" strike button</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Unlock "EMERGENCY STOP" strike button</li> <li>Press "Reset"</li> </ul>	

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.15 FLT 86: GUARD OPEN: BOTTOM [7]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Open guard door: bottom</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: bottom</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.16 FLT 87: GUARD OPEN: CARTON BELT [5]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: front carton belt</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: front carton belt</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.17 FLT 88: GUARD OPEN: INSERTION REAR [20]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Open guard door: insertion rear</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: insertion rear</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.18 FLT 111: PRODUCT SENSING: CONSECUTIVE FAULT - IB10\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Counter 112 "Product: Consecutive fault sensing" is set to 3</li> <li>Product scanner is switched on</li> <li>Product is available</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Press "Start" and run the machine until enough product is in front of the sensor "CAR1.B10-B01"</li> <li>Press "Stop"</li> <li>Remove 3x product from product chain successively in front of sensor "CAR1.B10-B01"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Machine stop after detecting a missing product three times</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Machine stops <input type="text"/></li> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.19 FLT 112: PRODUCT SENSING: SENSOR MONITORING - IB10-B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "CAR1.B10-B01" permanently</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "CAR1.B10-B01"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	Machine stops	<input type="text"/>
	Fault message is displayed on control panel	<input type="text"/>
	Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.20 FLT 120: INSERTION: SAFETY SENSOR - IB36\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Press "Start" and stop the machine after placing the product and inserts into the carton</li> <li>Simulate incomplete insertion (e.g. pull leaflet out of the carton which has just been inserted or insert a piece of paper so that it protrudes out of the carton about 2 cm)</li> <li>Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Remove carton</li> <li>Press "Reset"</li> </ul>

Test result	yes/no
Acceptance criteria	
<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.21 FLT 122: PRODUCT CHAIN: OVERFILL COLLECTING BOX - IB80\_B02

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: at insertion</li> <li>Cover sensor "=CAR1.B80-B02"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.6.22 FLT 126: INSERTION: OVERLOAD PREINSERTION

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: at insertion</li> <li>Simulate overload at sensor “=CAR1.W40-B02” (or disconnect input “=K00-KI12:1”)</li> <li>Press “Start”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press “Reset”</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.23 FLT 129: INSERTION: MONITORING SENSOR SAFETY SENSOR - IB36\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor “=CAR1.B36-B01”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: “=CAR1.B36-B01”</li> <li>Press “Reset”</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.24 FLT 200: MACHINE: JAM AT DISCHARGE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "CAR1.X85-B01"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "CAR1.X85-B01"</li> <li>Press "Reset"</li> </ul>	

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.25 FLT 201: DOWNSTREAM: STOP FROM MACHINE 1

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWSOPM 60 "Line mode Downstream equipment" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press "Start" on cartoning machine</li> <li>Press Stop on machine 1</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Cartoning machine stop from machine 1</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Reset" on cartoning machine</li> <li>Press "Reset" on machine 1</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.26 FLT 203: DOWNSTREAM: STOP FROM MACHINE 2

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWSOPM 60 "Line mode Downstream equipment" is activated</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Press "Start" on cartoning machine</li> <li>Press Stop on Laser unit</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Cartoning machine stop from laser unit</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Press "Reset" on cartoning machine</li> <li>Press "Reset" on laser unit</li> </ul>	

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	
<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	
<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.27 FLT 210: GUARD OPEN: CARTON MAGAZINE [6]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: carton magazine</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can only be performed at standstill, because guard is locked while running</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: carton magazine</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.28 FLT 212: GUARD OPEN: DISCHARGE TOP [2]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Open guard door: discharge top</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: discharge top</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.29 FLT 213: CARTON: OVERLOAD SIDE FLAP FOLDER - IB37\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: of cartoner</li> <li>Simulate overload at sensor "CAR1.B37-B01" (move side flap folder back)</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Place side flap folder back to current position</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.6.30 FLT 220: CARTON: STOCK AT THE END - IA30\_B02

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Empty carton magazine nearly to sensor “=CAR1.A30-B02”</li> <li>Press “Start”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Fill up carton magazine</li> <li>Press “Reset”</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.31 FLT 221: MACHINE: COVER RAIL OPEN - IA30-B03

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Guard doors are closed</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Turn on “=CAR1.A30-S20” and lift up the cover rail</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Lower cover rail</li> <li>Turn off “=CAR1.A30-S20”</li> <li>Press „Reset“</li> </ul>
<b>Test result</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.32 FLT 222: CARTON: CONSECUTIVE FAULT CROSSCHECK - IA30\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Product is available</li> <li>Counter 210 "Carton: consecutive fault cross check" is set to 3</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Remove <math>\geq 3x</math> cartons from carton magazine in front of sensor "CAR1.A30-B01" one after the other</li> <li>Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>After 3 undetected cartons machine stops</li> <li>Fault message is displayed on control panel</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>After 3 undetected cartons machine stops <input type="text"/></li> <li>Fault message is displayed on control panel <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.33 FLT 223: CARTON: PICKUP CHECK - IA30\_B04

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "CAR1.A30-B04"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "CAR1.A30-B04"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.34 FLT 224: CARTON BELT: OVERLOAD

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Switch off protective motor switch: “=CAR1.W31-Q10”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Switch on protective motor switch: “=CAR1.W31-Q10”</li> <li>Press “Reset”</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.35 FLT 225: CARTON: CONSECUTIVE FAULT CODE READER - IB75\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode with product</li> <li>• SWS 200 "Code reader carton" is activated</li> <li>• Counter 240 "Carton: fault code reading" is set to 3</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>• Place 3 cartons without or with wrong code in the carton magazine</li> <li>• Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>• Machine stop after detecting a defective bar code three times</li> <li>• Fault message is displayed on control panel</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>• Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>• Machine stops <input type="text"/></li> <li>• Fault message is displayed on control panel <input type="text"/></li> </ul>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.36 FLT 226: CARTON:\FAULT CODE READER - IB75\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode with product</li> <li>SWS 200 "Code reader carton" is activated</li> <li>Counter 240 "Carton: fault code reading" is set to 3</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Disconnect input "=CAR1.K00-KI04:12"</li> <li>Press "Start"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Reconnect input "=CAR1.K00-KI04:12"</li> <li>Press "Reset"</li> </ul>	

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul> <input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.37 FLT 227: CARTON: SENSOR MONITORING CROSSCHECK - IA30\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "=CAR1-A30-B01"</li> <li>Press "Start" and run the machine more than 1 cycle</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "=CAR1-A30-B01"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.6.38 FLT 237: CARTON: SENSOR MONITORING PICKUP CHECK - IA30\_B04

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Put 24 V to input “=CAR1.K00-KI08:7”</li> <li>Press “Start”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>None</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<input type="text"/>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.39 FLT 243: LASER PRINTING: DEVICE NOT READY

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWSOPM 60 "Line mode Downstream equipment" is activated</li> <li>SWS 201 "Carton laser printing" is activated</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Disconnect input: "CAR1.P78-KI00:7"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Reconnect input: "CAR1.P78-KI00:7"</li> <li>Press "Reset" on cartoning machine</li> <li>Press "Reset" on laser unit</li> </ul>

<b>Test result</b>		<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
<b>Comments</b>	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.40 FLT 250: CARTON EJECTION 1: OVERFILL COLLECTING CONTAINER - IQ82\_B03

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "=CAR1.Q82-B03"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "=CAR1.Q82-B03"</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.41 FLT 251: CARTON EJECTION 1: CROSS CHECK - IQ82\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "CAR1.Q82-B01"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "CAR1.Q82-B01"</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.42 FLT 254: CARTON REJECT 1: SENSOR MONITORING CROSS CHECK - IQ82\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct warning message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Open guard door: discharge top</li> <li>Bridge guard door discharge top</li> <li>Press "Start"</li> <li>Disconnect sensor "=CAR1.Q82-B01"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Reconnect sensor: "=CAR1.Q82-B01"</li> <li>Remove bridge guard door discharge top</li> <li>Close guard door: discharge top</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.43 FLT 270: CARTON: OPEN FLAP: SENSOR MONITORING COVER FLAP FRONT - IB86\_B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>						
<b>Test procedure</b>							
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 256 "Check carton open cover flap" is activated</li> </ul>						
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Disconnect sensor "CAR1.B86-B01"</li> </ul>						
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>						
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>						
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Reconnect sensor: "CAR1.B86-B01"</li> <li>Press "Reset"</li> </ul>						
<b>Test result</b>							
<b>Acceptance criteria</b>	<table border="1"> <thead> <tr> <th></th><th>yes/no</th></tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul> </td><td><input type="text"/></td></tr> <tr> <td> <ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul> </td><td><input type="text"/></td></tr> </tbody> </table>		yes/no	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
	yes/no						
<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>						
<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>						
<b>Comments</b>	<div></div>						

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

#### 9.6.44 FLT 271: CARTON: OPEN FLAP: SENSOR MONITORING COVER FLAP REAR - IB86\_B02

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 256 "Check carton open cover flap" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor "CAR1.B86-B02"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: "CAR1.B86-B02"</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.45 FLT 272: CARTON: OPEN FLAP: SENSOR MONITORING SIDE FLAP FRONT - IB86\_B03

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 257 "Check carton open side flap" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor "CAR1.B86-B03"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: "CAR1.B86-B03"</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



### 9.6.46 FLT 273: CARTON: OPEN FLAP: SENSOR MONITORING SIDE FLAP REAR - IB86\_B04

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 257 "Check carton open side flap" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor "CAR1.B86-B04"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: "CAR1.B86-B04"</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div style="border: 1px solid black; height: 100px;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.47 FLT 289: CARTON: OPEN FLAP: CONSECUTIVE FAULT COVER FLAP -IB86\_B01 / IB86\_B02

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Product is available</li> <li>SWS 256 "Check carton open cover flap" is activated</li> <li>Counter 256 "Carton: Consecutive fault open flap" is set to 1</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Press "Start"</li> <li>Press "Stop" until some cartons has been closed</li> <li>Put out one cover flap of the carton before the carton reach the sensors "CAR1.B86-B01" / "CAR1.B86-B02"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Machine stop after detecting a open cover flap</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Remove open carton</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>Machine stop after detecting a open cover flap</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

#### 9.6.48 FLT 294: CARTON: OPEN FLAP: CONSECUTIVE FAULT SIDE FLAP -IB86\_B03 / IB86\_B04

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> <li>• Product is available</li> <li>• SWS 257 "Check carton open side flap" is activated</li> <li>• Counter 257 "Carton: Consecutive fault open flap" is set to 3</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>• Press "Start"</li> <li>• Press "Stop" until some cartons has been closed</li> <li>• Put out one side flap of the carton before the cartons reach the sensors "CAR1.B86-B03"/ "CAR1.B86-B04"</li> <li>• Press "Start" and stop the machine before the next carton is checked</li> <li>• Remove open carton</li> <li>• Press "Reset"</li> <li>• Put out one side flap of the carton before the cartons reach the sensors "CAR1.B86-B03"/ "CAR1.B86-B04"</li> <li>• Press "Start" and stop the machine before the next carton is checked</li> <li>• Remove open carton</li> <li>• Press "Reset"</li> <li>• Put out one side flap of the carton before the cartons reach the sensors "CAR1.B86-B03"/ "CAR1.B86-B04"</li> <li>• Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>• Machine stop after detecting a open side flap three times</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>• Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Machine stop after detecting a open side flap three times	<input type="text"/>
	• Fault message is displayed on control panel	<input type="text"/>
	• Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

#### 9.6.49 FLT 301: LEAFLET: CONSECUTIVE FAULT CROSS CHECK IN PRODUCT CHAIN - IX161\_B10

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> <li>• SWS 300 "Leaflet device" is activated</li> <li>• Product is available</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Activate SWS 300 "Leaflet device"</li> <li>• Deactivate SWS 100 "Insert defective product" if necessary</li> <li>• Press "Start" with product until leaflet gripper chain is filled up</li> <li>• Press "Stop"</li> <li>• Remove leaflet before sensor "CAR1.X161-B10" and after sensor "CAR1.X161-B11"</li> <li>• Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• Machine stops</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Machine stops	<input type="text"/>
	• Fault message is displayed on control panel	<input type="text"/>
	• Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.6.50 FLT 302: LEAFLET: CROSS CHECK EJECTION - IX161\_B12

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "=CAR1.X161-B12"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "=CAR1.X161-B12"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	Machine stops	<input type="text"/>
	Fault message is displayed on control panel	<input type="text"/>
	Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



### 9.6.51 FLT 304: LEAFLET: CONSECUTIVE FAULT CROSS CHECK IN UNIT - IX161\_B11

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> <li>• Counter 310 "Leaflet: Consecutive fault cross check in device" is set to 3</li> <li>• SWS 300 "Leaflet device" is activated</li> <li>• Product is available</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Deactivate SWS 100 "Insert defective product" if necessary</li> <li>• Disconnect sensor "=CAR1.X161-B11"</li> <li>• Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• Machine stops</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• Reconnect sensor: "=CAR1.X161-B11"</li> <li>• Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Machine stops	<input type="text"/>
	• Fault message is displayed on control panel	<input type="text"/>
	• Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

### 9.6.52 FLT 321: LEAFLET: CONSECUTIVE FAULT CODE READER REAR - IB75\_B05

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> <li>• Counter 331 "Leaflet: consecutive fault code reader rear" is set to 3</li> <li>• leaflets with no or wrong code are prepared</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Activate SWS 300 "Leaflet device"</li> <li>• Deactivate SWS 100 "Insert defective product"</li> <li>• Activate SWS 302 "Leaflet: code reader rear"</li> <li>• Insert 3 leaflets with no or wrong code in leaflet stack successively</li> <li>• Press "Start" with product</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• Leaflets with wrong / missing code will be ejected</li> <li>• After 3 defective leaflets machine stops</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• To manipulate the code of the leaflet use a black felt-tip pen (e.g. Edding)</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Leaflets with wrong / missing code will be ejected	<input type="text"/>
	• After 3 defective leaflets machine stops	<input type="text"/>
	• Fault message is displayed on control panel	<input type="text"/>
	• Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<input type="text"/>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

### 9.6.53 FLT 322: LEAFLET: CONSECUTIVE FAULT CROSS CHECK IN CARTON - IB75\_B04

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> <li>• SWS 300 "Leaflet device" is activated</li> <li>• Counter 303 "Leaflet: Consecutive fault cross check in carton" is set to 3</li> <li>• Product is available</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Press "Start" and run the machine until enough product is in front of the sensor "=CAR1.B75-B04"</li> <li>• Press "Stop"</li> <li>• Open guard door:</li> <li>• Remove 3x leaflet before sensor "=CAR1.B75-B04"</li> <li>• Close guard door:</li> <li>• Press "Reset"</li> <li>• Press "Start" with product</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• After 3 missing leaflets machine stops</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• Cartons without leaflets will be ejected</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• After 3 missing leaflets machine stops	<input type="text"/>
	• Fault message is displayed on control panel	<input type="text"/>
	• Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.6.54 FLT 324: LEAFLET: FAULT CODE READER REAR - IB75\_B05

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Prepare one leaflet with no or wrong code</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Activate SWS 300 "Leaflet device"</li> <li>Deactivate SWS 100 "Insert defective product"</li> <li>Activate SWS 302 "Leaflet: code reader rear"</li> <li>Disconnect input: "=CAR1.X161-KI00:11"</li> <li>Press "Start" with product</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>To manipulate the code of the leaflet use a black felt-tip pen (e.g. Edding)</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Reconnect input: "=CAR1.X161-KI00:11"</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	
<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
<b>Comments</b>	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.55 FLT 325: LEAFLET: SENSOR MONITORING CROSS CHECK IN CARTON - IB75-B04

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "=-CAR1.B75-B04"</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "=-CAR1.B75-B04"</li> <li>Press "Reset"</li> </ul>	

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



### 9.6.56 FLT 326: LEAFLET: SENSOR MONITORING CROSS CHECK IN PRODUCT CHAIN - IX161\_B10

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "=CAR1.X161-B10"</li> <li>Press "Reset"</li> <li>Press start</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "=CAR1.X161-B10"</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.57 FLT 408: ROBOT 1: SENSOR MONITORING PRODUCT SENSING EXCEED HEIGHT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor "=CAR1-W150-B02"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: "=CAR1-W150-B02"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.58 FLT 412: ROBOT 1: EMERGENCY STOP FRONT ACTIVATED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• SWSOPM 60 "Line mode downstream equipment" is activated</li> <li>• SWSOPM 62 "Machine: Automatic restart" is activated</li> <li>• SWS 400 "Robot 1" is activated</li> <li>• Line is running at reduced speed</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Press "EMERGENCY STOP" strike button on Robot 1</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• Line stops</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Press "Reset"</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• Test can be done together with test of SWSOPM 62 "Machine: Automatic restart"</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• Unlock "EMERGENCY STOP" strike button on Robot 1</li> <li>• Press "Reset"</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>• Line stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>• Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>• Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.59 FLT 421: ROBOT 1: GUARD OPEN: FRONT LEFT [17]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: front left</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: front left</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.60 FLT 422: ROBOT 1: GUARD OPEN: FRONT RIGHT [16]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: front right</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: front right</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.61 FLT 430: ROBOT 1: BELT 1: OVERLOAD

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Switch off protective motor switch: "=CAR1.W166-Q20"</li> <li>Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Switch on protective motor switch: "=CAR1.W166-Q20"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	Machine stops	<input type="text"/>
	Fault message is displayed on control panel	<input type="text"/>
	Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.62 FLT 432: ROBOT 1: BELT 2: OVERLOAD

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Switch off protective motor switch: "=CAR1.W166-Q30"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Switch on protective motor switch: "=CAR1.W166-Q30"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	Machine stops	<input type="text"/>
	Fault message is displayed on control panel	<input type="text"/>
	Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.63 FLT 450: ROBOT 1: PRODUCT SENSING: EXCEED HEIGHT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "=CAR1-W150-B02"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "=CAR1-W150-B02"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	Machine stops	<input type="text"/>
	Fault message is displayed on control panel	<input type="text"/>
	Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.6.64 FLT 451: ROBOT 1: BELT 1: PRODUCT JAM

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Cover sensor: "=CAR1-W166-B05"</li> <li>Press "Start"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Uncover sensor: "=CAR1-W166-B05"</li> <li>Press "Reset"</li> </ul>	

Test result		yes/no
Acceptance criteria	Machine stops	<input type="text"/>
	Fault message is displayed on control panel	<input type="text"/>
	Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.65 FLT 457: ROBOT 1: MONITORING COMPRESSED AIR

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Close the compressed air supply on robot 1</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Open the compressed air supply on robot 1</li> </ul>

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	
<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.66 FLT 477: ROBOT 1: CONTROL CABINET: OVERTEMPERATURE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Adjust value of temperature controller "=CAR1.W150-B19" less than the actual temperature in the control cabinet</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Set temperature controller "=CAR1.W150-B19" back to previous value of 45°C</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.67 FLT 512: ROBOT 2: EMERGENCY STOP FRONT ACTIVATED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>SWSOPM 60 "Line mode downstream equipment" is activated</li> <li>SWSOPM 62 "Machine: Automatic restart" is activated</li> <li>SWS 500 "Robot 2" is activated</li> <li>Line is running at reduced speed</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press "EMERGENCY STOP" strike button on Robot 2</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Line stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Test can be done together with test of SWSOPM 62 "Machine: Automatic restart"</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Unlock "EMERGENCY STOP" strike button on Robot 2</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Line stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.68 FLT 521: ROBOT 2: GUARD OPEN: FRONT LEFT [19]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 500 "Robot 2" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: front left</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: front left</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.69 FLT 522: ROBOT 2: GUARD OPEN: FRONT RIGHT [18]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 500 "Robot 2" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: front right</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: front right</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.70 FLT 547: ROBOT 2: EMPTYING

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 500 "Robot 2" is activated</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Lock the cylinder "=CAR1.W266-M2661" in the middle position (between end position "=CAR1.W266-B50" and "=CAR1.W266-B51")</li> <li>"=CAR1.W266-B05"</li> <li>Press "Reset"</li> <li>Press start</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Unlock cylinder "=CAR1.W266-M2661"</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	
<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.71 FLT 577: ROBOT 2: CONTROL CABINET: OVERTEMPERATURE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 500 "Robot 2" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Adjust value of temperature controller "=CAR1.W250-B19" less than the actual temperature in the control cabinet</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Set temperature controller "=CAR1.W250-B19" back to previous value of 45°C</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.6.72 FLT 807: LEAFLET INSERTER: NOT IN OPERATIONAL

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Product is available</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Disconnect input: "=CAR1.X161-KI00:1"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Reconnect input "=CAR1.X161-KI00:1"</li> <li>Press "Reset"</li> </ul>	

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.73 FLT 808: LEAFLET INSERTER: GUARD OPEN: REAR [23]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: rear</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: rear</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.74 FLT 822: LEAFLET INSERTER: EMERGENCY STOP ACTIVATED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• SWSOPM 60 "Line mode downstream equipment" is activated</li> <li>• SWSOPM 62 "Machine: Automatic restart" is activated</li> <li>• SWS 300 "Leaflet device" is activated</li> <li>• Line is running at reduced speed</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Press "EMERGENCY STOP" strike button on leaflet unit</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• Line stops</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Press "Reset"</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• Unlock "EMERGENCY STOP" strike button on leaflet unit</li> <li>• Press "Reset"</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>• Line stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>• Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>• Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.75 FLT 843: LEAFLET INSERTER: CONTROL CABINET: VOLTAGE MONITORING

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Switch off fuse "=CAR1.X161-F3090"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Switch on fuse "=CAR1.X161-F3090"</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.76 FLT 902: BROCHURE INFEED: CONSECUTIVE FAULT CODE READER

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 100 "Product: Insert defective product" is deactivated if necessary</li> <li>SWS 900 "Brochure infeed" is activated</li> <li>SWS 901 "Brochure infeed: Code reader" is activated</li> <li>Counter 901 for "Brochure infeed: Consecutive fault code reading" is set to 3</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Generate 3 brochures with a defective ID code with a black felt-tip pen (e.g. Edding 400)</li> <li>Put these brochures one after the other into the brochure stack</li> <li>Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Machine stop after detecting a defective ID code three times</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> <li>The defective brochures are transferred out</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Machine stop after detecting a defective ID code three times <input type="text"/></li> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.77 FLT 903: BROCHURE INFEED: CONSECUTIVE FAULT CROSS CHECK

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> <li>• Product is available</li> <li>• SWS 100 "Insert defective product" is deactivated (if necessary)</li> <li>• SWS 900 "Brochure infeed" is activated</li> <li>• Counter 903 "Brochure infeed: Consecutive fault cross check" is set to "1"</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>• Press "Start" with product until brochure gripper chain is filled up</li> <li>• Press "Stop"</li> <li>• Remove all brochures (in front of sensor "=CAR1.B75-B05")</li> <li>• Cover sensor cross-check sensor 93B1 (rontech unit)</li> <li>• Press "Reset"</li> <li>• Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>• If a brochure is missing the machine stops</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>• Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>• If a brochure is missing the machine stops <input type="text"/></li> <li>• Fault message is displayed on control panel <input type="text"/></li> <li>• Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

## 9.6.78 FLT 907: BROCHURE INFEEED: NOT IN OPERATIONAL

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Product is available</li> <li>SWS 900 "Brochure infeed" is activated</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Disconnect input: "=CAR1.X261-KI02:3"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Reconnect input "=CAR1.X261-KI02:3"</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



### 9.6.79 FLT 916: BROCHURE INFEEED: GUARD OPEN: PRODUCT CHAIN INFEEED [14]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 900 "Brochure infeed" is activated</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Open guard door:, product chain infeed</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Close guard door:, product chain infeed</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.80 FLT 920: BROCHURE INFEEED: NOT IN CORRECT POSITION [15]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Product is available</li> <li>SWS 900 "Brochure infeed" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Pull out the brochure infeed from the CUC line</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.81 FLT 922: BROCHURE INFEEED: EMERGENCY STOP ACTIVATED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> <li>• SWSOPM 60 "Line mode downstream equipment" is activated</li> <li>• SWSOPM 62 "Machine: Automatic restart" is activated</li> <li>• SWS 900 "Brochure infeed" is activated</li> <li>• Line is running at reduced speed</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>• Press "EMERGENCY STOP" strike button on brochure unit</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>• Line stops</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>• Press "Reset"</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>• Unlock "EMERGENCY STOP" strike button on brochure unit</li> <li>• Press "Reset"</li> </ul>

<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	
<ul style="list-style-type: none"> <li>• Line stops</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>• Fault message is displayed on control panel</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>• Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
<b>Comments</b>	
<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.82 FLT 943: BROCHURE INFEEED: CONTROL CABINET: VOLTAGE MONITORING

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 900 "Brochure infeed" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Switch off fuse "=CAR1.X261-F3090"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Switch on fuse "=CAR1.X261-F3090"</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.83 FLT 1212: GUARD OPEN: COLLECTING CONTAINER 1 [3]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Guard ejector (=CAR1.Q82-B802)</li> <li>Close guard door: Collecting box (=CAR1.Q82-B801)</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Guard ejector (=CAR1.Q82-B802)</li> <li>Open guard door: Collecting box (=CAR1.Q82-B801)</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.84 FLT 1213: CARTON EJECTION 1: OVERFILL GUARD COLLECTING CONTAINER

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Counter 214 for "Carton ejection 1: Overfill guard collecting container" is set to 1</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Create a defective item (e. g. incorrect code), run the machine until the defective item is rejected</li> <li>Close guard door: Guard ejector (=CAR1.Q82-B802)</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Open guard door: Guard ejector (=CAR1.Q82-B802)</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	Fault message is displayed on control panel	<input type="text"/>
	Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.85 FLT 1230: DOWNSTREAM: GUARD OPEN: MACHINE 1

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWSOPM 60 "Line mode downstream equipment" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Machine 1</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Machine 1</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.86 FLT 1413: ROBOT 1: REMOVE PRODUCT BEFORE REFERENCE/ SYNCHRON RUN

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> <li>SWS 500 "Robot 2" is activated</li> <li>Product is available</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Set product data "2010: product width cycle belt" to 50 mm</li> <li>Press "Start"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Set product data "2010: product width cycle belt" to originale length</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.6.87 FLT 1416: ROBOT 1: EMERGENCY STOP REAR ACTIVATED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWSOPM 60 "Line mode downstream equipment" is activated</li> <li>SWSOPM 62 "Machine: Automatic restart" is activated</li> <li>SWS 400 "Robot 1" is activated</li> <li>Line is running at reduced speed</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Press "EMERGENCY STOP" strike button on Robot 1 rear</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Line stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>Test can be done together with test of SWSOPM 62 "Machine: Automatic restart"</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Unlock "EMERGENCY STOP" strike button on Robot 1 rear</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Line stops <input type="text"/></li> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
<b>Comments</b>	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.88 FLT 1417: ROBOT 1: GUARD OPEN: REAR LEFT [25]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Rear left</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Rear left</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.89 FLT 1418: ROBOT 1: GUARD OPEN: REAR RIGHT [24]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Rear right</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Rear right</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.90 FLT 1419: ROBOT 1: RANGE LIMIT REACHED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Open guard door:</li> <li>Turn safety switch "=CAR1.W150-S20" (Open stop break robot) to position "1"</li> <li>Move the robot arm outside the operational limit by hand manually</li> <li>Turn safety switch "=CAR1.W150-S20" (Open stop break robot) to position "0"</li> <li>Close the guard doors from robot</li> <li>Press "Reset"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Move the robot arm to the initial position by hand manually</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	
<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.91 FLT 1516: ROBOT 2: EMERGENCY STOP REAR ACTIVATED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> <li>• SWSOPM 60 "Line mode downstream equipment" is activated</li> <li>• SWSOPM 62 "Machine: Automatic restart" is activated</li> <li>• SWS 500 "Robot 2" is activated</li> <li>• Line is running at reduced speed</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>• Press "EMERGENCY STOP" strike button on Robot 2 rear</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>• Line stops</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>• Press "Reset"</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>• Test can be done together with test of SWSOPM 62 "Machine: Automatic restart"</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>• Unlock "EMERGENCY STOP" strike button on Robot 2 rear</li> <li>• Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>• Line stops <input type="text"/></li> <li>• Fault message is displayed on control panel <input type="text"/></li> <li>• Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.92 FLT 1517: ROBOT 2: GUARD OPEN: REAR LEFT [27]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 500 "Robot 2" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Rear left</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Rear left</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.93 FLT 1518: ROBOT 2: GUARD OPEN: REAR RIGHT [26]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 500 "Robot 2" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Rear right</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Rear right</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.94 FLT 1519: ROBOT 2: RANGE LIMIT REACHED

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 500 "Robot 2" is activated</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Open guard door:</li> <li>Turn safety switch "=CAR1.W250-S20" (Open stop break robot) to position "1"</li> <li>Move the robot arm outside the operational limit by hand manually</li> <li>Turn safety switch "=CAR1.W250-S20" (Open stop break robot) to position "0"</li> <li>Close the guard doors from robot</li> <li>Press "Reset"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Move the robot arm to the initial position by hand manually</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.6.95 FLT 2001: GUARD OPEN: BACK SIDE BELOW LOADING [21]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Back side below loading</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Back side below loading</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.96 FLT 2002: GUARD OPEN: BACK SIDE VACUUM PUMP [22]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Back side vacuum pump</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Back side vacuum pump</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.97 FLT 2004: GUARD OPEN: PRODUCT EJECTION COLLECTING BOX [4]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Product ejection collecting box</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Product ejection collecting box</li> <li>Press "Reset"</li> </ul>
<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.98 FLT 2005: LASER: SENSOR MONITORING PRODUCT TRIGGER - IP78\_B11

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWSOPM 60 "Line mode Downstream equipment" is activated</li> <li>SWS 201 "Carton laser printing" is activated</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor "=CAR1.IP78-B11"</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: "=CAR1.IP78-B11"</li> <li>Press "Reset"</li> </ul>	
<b>Test result</b>	<b>yes/no</b>	
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.99 FLT 2009: LEAFLET INSERTER: POSITION CHECK LEAFLET INSERTER

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor "=CAR1.X161-B820" or "=CAR1.X161-B505" on leaflet unit</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: "=CAR1.X161-B820" or "=CAR1.X161-B505" on leaflet unit</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.100 FLT 2010: LEAFLET INSERTER: GUARD OPEN: BOTTOM LEFT [12]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Bottom left on leaflet unit</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Bottom left on leaflet unit</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.101 FLT 2011: LEAFLET INSERTER: GUARD OPEN: BOTTOM RIGHT [11]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door:, bottom right on leaflet unit</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: bottom right on leaflet unit</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.102 FLT 2012: LEAFLET INSERTER: GUARD OPEN: TOP LEFT [9]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Top left on leaflet unit</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Top left on leaflet unit</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



## 9.6.103 FLT 2013: LEAFLET INSERTER: GUARD OPEN: TOP RIGHT [8]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door: Top right on leaflet unit</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Top right on leaflet unit</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.104 FLT 2014: LEAFLET INSERTER: POSITION CHECKINFEED BELT [10]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Disconnect sensor "93W5" on leaflet unit</li> <li>Press "Start"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Reconnect sensor "93W5" on leaflet unit</li> <li>Press "Reset"</li> </ul>	

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.105 FLT 2015: LEAFLET INSERTER: EMERGENCY STOP ACTIVATED: TURRET MAGAZINE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 300 "Leaflet device" is activated</li> <li>Line is running at reduced speed</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Press "EMERGENCY STOP" strike button on leaflet unit</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Unlock "EMERGENCY STOP" strike button " on leaflet unit</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.106 FLT 2016: BROCHURE INFEED: EMERGENCY STOP ACTIVATED: TURRET MAGAZINE

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 900 "Brochure infeed" is activated</li> <li>Line is running at reduced speed</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Press "EMERGENCY STOP" strike button on brochure unit</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Unlock "EMERGENCY STOP" strike button " on brochure unit</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.107 FLT 2017: BROCHURE INFEED: COVER OPEN: TRANSFER SECTION [13]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 900 "Brochure infeed" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open cover transfer section on brochure unit</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close cover transfer section on brochure unit</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.108 FLT 2019: GUARD OPEN: LASER DOOR [1]

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 201 "Carton laser printing" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Open guard door:, Laser unit</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Close guard door: Laser unit</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.109 FLT 2021: EMERGENCY STOP ACTIVATED: LASER

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 201 "Carton laser printing" is activated</li> <li>Line is running at reduced speed</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Press "EMERGENCY STOP" strike button on laser unit</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Unlock "EMERGENCY STOP" strike button " on laser unit</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.110 FLT 2022: LEAFLET: MONITORING PROPER SIGNAL CODE READING LEAFLET REAR - IB75\_B05

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> <li>• SWS 300 "Leaflet unit" is activated</li> <li>• SWS 302 "Code reader leaflet rear" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Put 24 V to input "=CAR1.X161-KI00:10"</li> <li>• Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• Remove the 24 V from input "=CAR1.X161-KI00:10"</li> <li>• Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• Machine stops	<input type="text"/>
	• Fault message is displayed on control panel	<input type="text"/>
	• Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



### 9.6.111 FLT 2023: BROCHURE INSERTER: MONITORING PROPER SIGNAL CODE READING BROCHURE - IB75\_B06

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 201 "Carton laser printing" is activated</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Put 24 V to input "=CAR1.X261-KI00:10"</li> <li>Press "Start"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Remove the 24 V from input "=CAR1.X261-KI00:10"</li> <li>Press "Reset"</li> </ul>	

Test result		yes/no
Acceptance criteria	Machine stops	<input type="text"/>
	Fault message is displayed on control panel	<input type="text"/>
	Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.112 FLT 2024: BROCHURE: MONITORING PROPER SIGNAL CODE READING BROCHURE IN CARTON - IB75\_B07

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 2002 "Code reader glued-in brochure" is activated</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Put 24 V to input "=CAR1.K00-KI14:3"</li> <li>Press "Start"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Remove the 24 V from input "=CAR1.K00-KI14:3"</li> <li>Press "Reset"</li> </ul>	

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	
<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	
<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.113 FLT 2025: CODE READER GLUED-IN BROCHURE NOT READY

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 2002 "Code reader glued-in brochure" is activated</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Disconnect input: "=CAR1.K00-KI14:4"</li> <li>Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Reconnect input: "=CAR1.K00-KI14:4"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	Machine stops	<input type="text"/>
	Fault message is displayed on control panel	<input type="text"/>
	Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.114 FLT 2026: GLUED IN BROCHURE: CONSECUTIVE FAULT CODE READER - IB75\_B07

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 100 "Product: Insert defective product" is deactivated if necessary</li> <li>SWS 2002 "Code reader glued-in brochure" is activated</li> <li>Counter 2001 "Glued-in brochure: Consecutive fault code reader" is set to 3</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Generate 3 booklets with a defective ID code</li> <li>Put these booklets with defective ID codes into the insert stack</li> <li>Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Machine stop after detecting a defective code three times</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>The defective booklets are transferred out</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Press "Reset"</li> <li>Attach booklets with manipulated ID code to this document</li> </ul>

<b>Test result</b>	<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Machine stop after detecting a defective ID code three times <input type="text"/></li> <li>Fault message is displayed on control panel <input type="text"/></li> <li>Machine cannot be started as long as fault is active <input type="text"/></li> </ul>
<b>Comments</b>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.115 FLT 2029: LASER: PRODUCT JAM

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 201 "Carton laser printing" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "=CAR1.P78-B01"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "=CAR1.P78-B01"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.116 FLT 2036: ROBOT 1: CROSS CHECK EJECTOR

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>	
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Cover sensor: "=CAR1.W166-B03"</li> <li>Cover sensor: "=CAR1.W166-B01"</li> <li>Cover sensor: "=CAR1.W166-B02"</li> <li>Press "Start"</li> </ul>	
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Uncover sensor: "=CAR1.W166-B03"</li> <li>Uncover sensor: "=CAR1.W166-B01"</li> <li>Uncover sensor: "=CAR1.W166-B02"</li> <li>Press "Reset"</li> </ul>	

<b>Test result</b>	<b>yes/no</b>
Acceptance criteria	
<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.117 FLT 2037: ROBOT 1: EXCESS FILL COLLECTING BOX ACCELERATION BELT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "=CAR1.W166-B04"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "=CAR1.W166-B04"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Machine stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.118 FLT 2038: ROBOT 1: EXCESS FILL COLLECTING BOX CYCLE BELT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWS 400 "Robot 1" is activated</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "=CAR1.W166-B10"</li> <li>Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "=CAR1.W166-B10"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	Machine stops	<input type="text"/>
	Fault message is displayed on control panel	<input type="text"/>
	Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



### 9.6.119 FLT 2040: ROBOT 2: EMERGENCY STOP ACTIVATED: PUCK OUTFEED BELT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWSOPM 60 "Line mode downstream equipment" is activated</li> <li>SWS 500 "Robot 2" is activated</li> <li>Line is running at reduced speed</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press "EMERGENCY STOP" strike button at puck outfeed belt</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Line stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Unlock "EMERGENCY STOP" strike button at puck outfeed belt</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Line stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.120 FLT 2041: ROBOT 2: EMERGENCY STOP ACTIVATED: DISKUS BELT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>SWSOPM 60 "Line mode downstream equipment" is activated</li> <li>SWS 500 "Robot 2" is activated</li> <li>Line is running at reduced speed</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Press "EMERGENCY STOP" strike button at diskus belt</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Line stops</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Press "Reset"</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Unlock "EMERGENCY STOP" strike button at diskus belt</li> <li>Press "Reset"</li> </ul>

<b>Test result</b>		<b>yes/no</b>
<b>Acceptance criteria</b>	<ul style="list-style-type: none"> <li>Line stops</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
<b>Comments</b>	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.121 FLT 2043: ROBOT 2: PUCK OUTFEED BELT: OVERLOAD

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Activate SWS 500 "Robot 2"</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Switch off protective motor switch: "=CAR1.W266-Q10"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Switch on protective motor switch: "=CAR1.W266-Q10"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.122 FLT 2044: ROBOT 2: PUCK INFEED BELT: OVERLOAD

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Activate SWS 500 "Robot 2"</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Switch off protective motor switch: "=CAR1.W266-Q20"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Switch on protective motor switch: "=CAR1.W266-Q20"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.123 FLT 2045: ROBOT 2: DISKUS BELT: OVERLOAD

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Activate SWS 500 "Robot 2"</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Switch off protective motor switch: "=CAR1.W266-Q30"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Switch on protective motor switch: "=CAR1.W266-Q30"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 9.6.124 FLT 2046: ROBOT 2: PUCK NOT EMPTY AT OUTFEED BELT

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
<b>Test prerequisites</b>	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> <li>Activate SWS 500 "Robot 2"</li> </ul>
<b>Required operations</b>	<ul style="list-style-type: none"> <li>Cover sensor: "=CAR1.W266-B04"</li> <li>Press "Start"</li> </ul>
<b>Consequence</b>	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Acknowledgement</b>	<ul style="list-style-type: none"> <li>Uncover sensor "=CAR1.W266-B04"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.125 FLT 2055: ROBOT 1: MONITORING SENSOR PRODUCT CYCLE BELT -W166\_B06

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor “=CAR1.W166-B06”</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: “=CAR1.W166-B06”</li> <li>Press “Reset”</li> </ul>

<b>Test result</b>		<b>yes/no</b>
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.126 FLT 2056: ROBOT 1: MONITORING SENSOR FLOWPACK CYCLE BELT -W166\_B07

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "CAR1.W166-B07"</li> <li>Press "Reset"</li> <li>Press start</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine starts but stop after some cycles</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "CAR1.W166-B07"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Machine starts but stop after some cycles</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	



### 9.6.127 FLT 2057: CARTON REJECT 1: CROSS CHECK CARTON REJECT IQ82\_B10

<b>Test objective</b>	<ul style="list-style-type: none"> <li>• Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>• Machine is ready in automatic mode</li> <li>• Product is available</li> <li>• SWS 100 "Product: Insert defective product" is deactivated</li> <li>• SWS 200 "Code reader carton" is activated</li> <li>• Counter 240 for "Carton: Consecutive fault code reader" is set to 3</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>• Put one carton with manipulated ID Code into the carton stack</li> <li>• Press "Start" wait until the carton is scanned by sensor "CAR1.B75-B01"</li> <li>• Stop the machine when the out-feed belt conveys the carton out of the machine</li> <li>• Remove the carton out of the out-feed belt</li> <li>• Press "Reset"</li> <li>• Press "Start"</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>• If the sensor "CAR1.Q82-B10 detects that the faulty carton is missing, the machine stops</li> <li>• Fault message is displayed on control panel</li> <li>• Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>• None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>• Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	• If the sensor "CAR1.Q82-B10 detects that the faulty carton is missing, the machine stops	<input type="text"/>
	• Fault message is displayed on control panel	<input type="text"/>
	• Machine cannot be started as long as fault is active	<input type="text"/>
Comments	<input type="text"/>	

Results comply	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
Results approved	Date/Initials	
	<input type="text"/>	

### 9.6.128 FLT 2058: CARTON REJECT 1: SENSOR MONITORING CROSS CHECKCARTON REJECTED - IQ82\_B10

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Cover sensor: "CAR1.Q82-B10"</li> <li>Press "Reset"</li> <li>Press start</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine starts and stop after some cycles</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Uncover sensor: "CAR1.Q82-B10"</li> <li>Press "Reset"</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Machine starts and stop after some cycles</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.129 FLT 2059: ROBOT 1: MONITORING SENSOR DISTANCE CONTROL 1 INFEED BELT -W166-B01

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor “=CAR1.W166-B01”</li> <li>Press “Reset”</li> <li>Press start</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine starts and stop after some cycles</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: “=CAR1.W166-B01”</li> <li>Press “Reset”</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Machine starts and stop after some cycles</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.130 FLT 2060: ROBOT 1: MONITORING SENSOR DISTANCE CONTROL 2 INFEED BELT -W166-B02

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor “=CAR1.W166-B02”</li> <li>Press “Reset”</li> <li>Press start</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Machine starts and stop after some cycles</li> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: “=CAR1.W166-B02”</li> <li>Press “Reset”</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Machine starts and stop after some cycles</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.131 FLT 2061: INSERTION: MONITORING SENSOR: OVERLOAD PREINSERTION -W40-B02

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>
<b>Test procedure</b>	
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor “=CAR1.W40-B02“</li> <li>Press “Reset”</li> <li>Press “Start“</li> </ul>
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: “=CAR1.W40-B02“</li> <li>Press “Reset”</li> </ul>

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

### 9.6.132 FLT 2062: ROBOT 1: MONITORING SENSOR: EXCESS FILL COLLECTION BOX CYCLE BELT -W166\_B10

<b>Test objective</b>	<ul style="list-style-type: none"> <li>Test whether correct fault message is displayed on control panel</li> </ul>	
<b>Test procedure</b>		
Test prerequisites	<ul style="list-style-type: none"> <li>Machine is ready in automatic mode</li> </ul>	
Required operations	<ul style="list-style-type: none"> <li>Disconnect sensor “=CAR1.W166-B10“</li> <li>Press “Reset”</li> <li>Press “Start“</li> </ul>	
Consequence	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> <li>Machine cannot be started as long as fault is active</li> </ul>	
Comments	<ul style="list-style-type: none"> <li>None</li> </ul>	
Acknowledgement	<ul style="list-style-type: none"> <li>Reconnect sensor: “=CAR1.W166-B10“</li> <li>Press “Reset”</li> </ul>	

Test result		yes/no
Acceptance criteria	<ul style="list-style-type: none"> <li>Fault message is displayed on control panel</li> </ul>	<input type="text"/>
	<ul style="list-style-type: none"> <li>Machine cannot be started as long as fault is active</li> </ul>	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	

<b>Results comply</b>	yes/no	Date/Initials
	<input type="text"/>	<input type="text"/>
<b>Results approved</b>	Date/Initials	
	<input type="text"/>	

## 10 Notes



## Alarm and Function Testing Report

**CUC 2002**

**Cartoning machine**

**100223**

**Glaxowellcome Production**

**France**

Alarm and Function Testing Report approval by ROTZINGER PharmaPack GmbH (after execution)

Function	Name	Position/Company	Signature	Date
Approved by				
Approved by				

The AFT was performed in \_\_\_\_\_ from \_\_\_\_\_ until \_\_\_\_\_ .

<b>Summary result</b>	
The test execution has shown that, ...	<b>yes/no</b>
the AFT has been completed successfully without deviations.	
the AFT has been performed with deviations. A deviation report has been created and follow up actions have been defined.	

<b>Final conclusion</b>	<b>yes/no</b>
The next qualification step can be started.	
Before starting the next qualification step, the deviations must be closed.	

Alarm and Function Testing Report approval by Glaxowellcome Production (after execution)

Function	Name	Position/Company	Signature	Date
Approved by				
Approved by				
Approved by				

Document history:

4.0	28.Mar.2023	Version for approval Rev. 4.0, software changes after FAT 3	Lorena Fausten
3.0	17.Mar.2023	Version for approval Rev. 3.0, hardware and software changes after FAT 2	Lorena Fausten
2.0	19.Jan.2023	Version for approval Rev. 2.0, hardware and software changes after FAT 1	Lorena Fausten
1.0	05.Dec.2022	Version for approval	Lorena Fausten
<b>Rev.</b>	<b>Date</b>	<b>Description</b>	<b>Author</b>