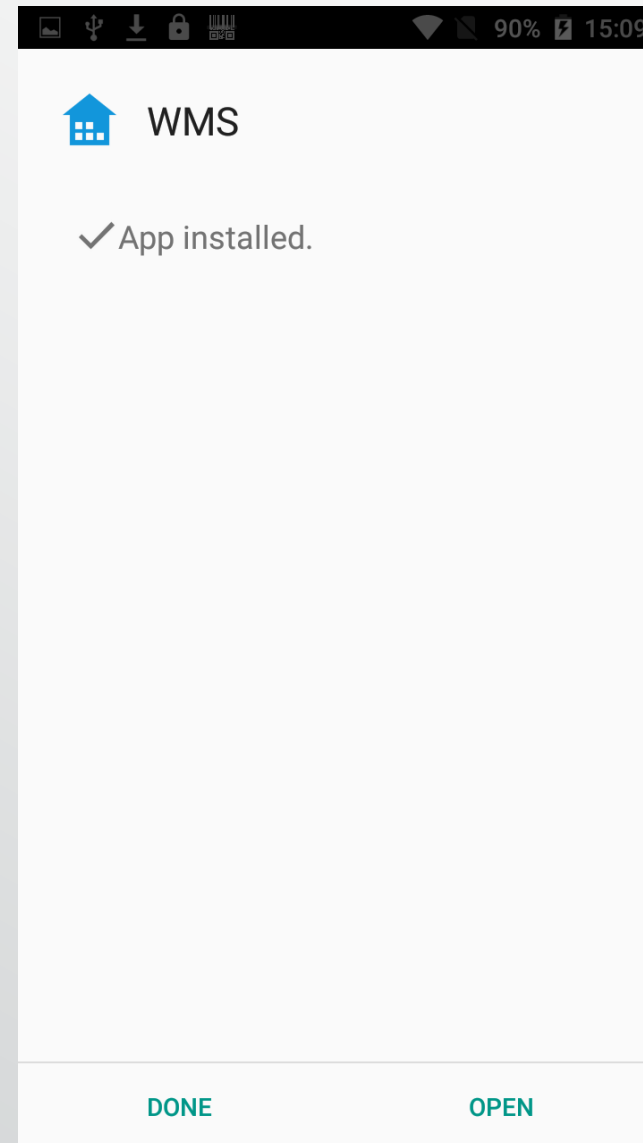
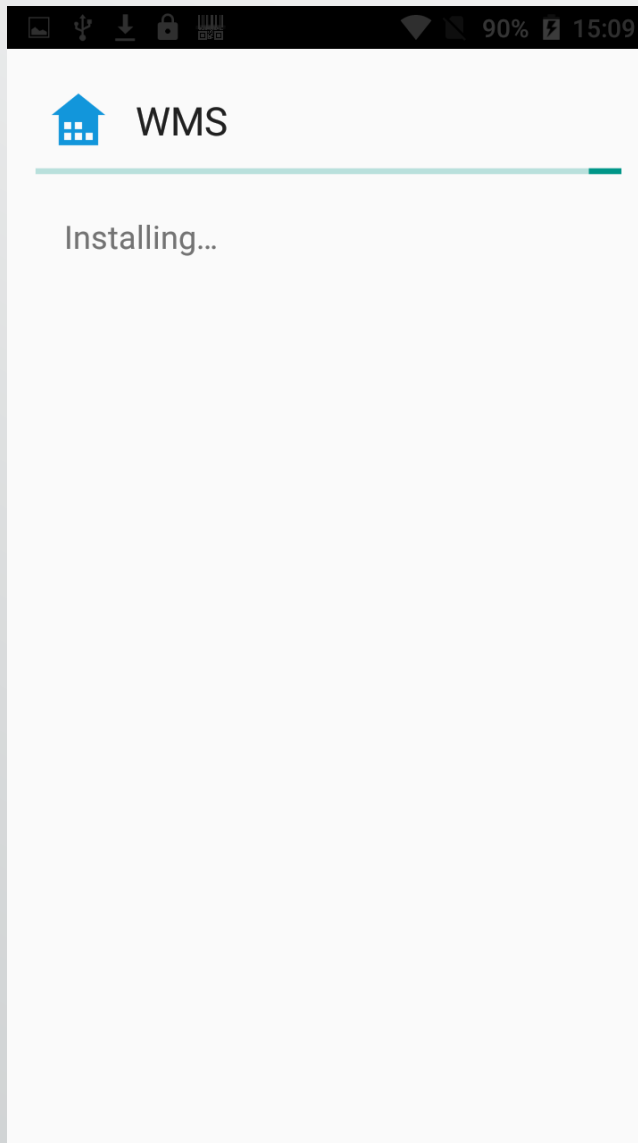
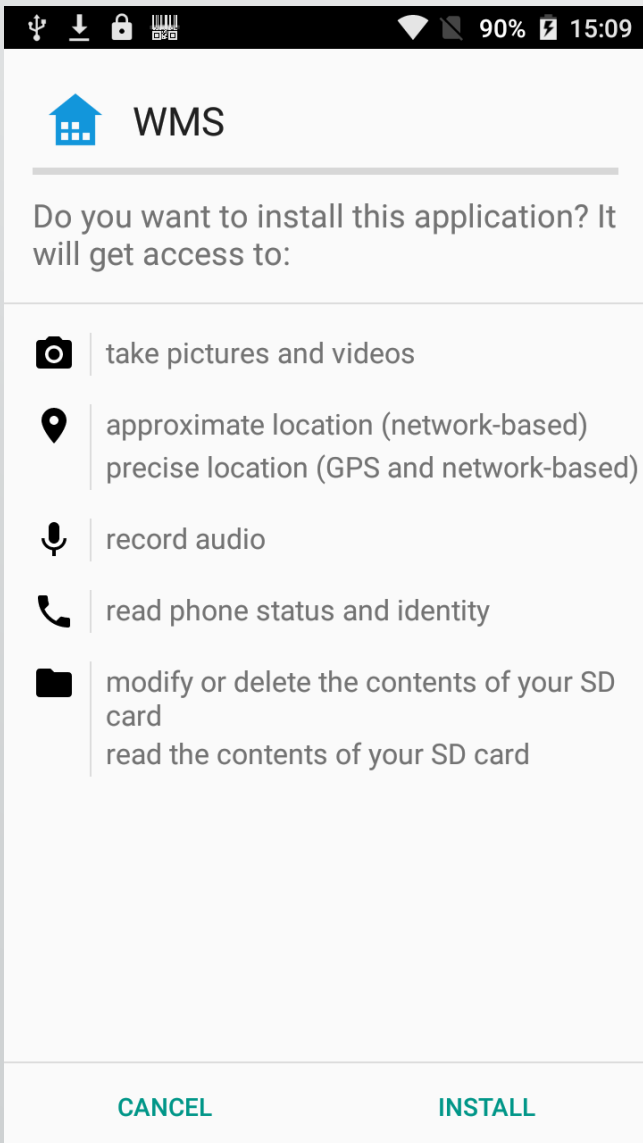


# Warehouse Management System

Date :	Aug 2021
Prepared by :	Allen Chen
Version :	V2.1
Updated:	2023-05-23

# Install APP



## Install

Download apk file and install.

Link as below :  
<http://172.28.30.24:9090/wms.apk>

# Issue material

10:33 82%

## CMS

Warehouse Management System

V1.0.3

User Id:

Password:

Plant:

Server:

Sign in

10:43 82%

8101 ☐

8201 ☐

8401 ☐

8501 ☐

8801 ☐

9101 ☐

9201 ☐

5301 ☒

6501 ☐

## Login


1. Enter your account.
2. Enter password.
3. Select plant from list.
4. Enter server (172.28.30.24:8085).
5. Click "Sign in".


PDA need to access the server(172.28.30.24) via WIFI


# Issue material and print label


10:34 82%


< Back Welcome wms


  
01-FG In


  
02-FG in list


  
03-FG Out


  
04-FG err msg


  
05-FG Query


  
10-Re-print

  
11-Move Location

  
12-Stock Query

  
13-Leftover

  
15-Location Print

  
16-Issue material

10:56 84%

< Back Issue material [8101]

Printer	B62F_PB50	▼
WH Filter	IS*	▼
Filter		
Order		
Material		
Req Qty		
Location	Select location	▼
ToLocation		
Batch		
Stock Qty		
Actual Qty		

Save

## Issue material

Please select a printer if you need to print label.

WH Filter : Filter warehouse

Filter : Filter material, e.g. 27-XXX

Order : Work order, e.g. 331000018411

To-location : If the actual quantity exceed actual demand , need to input buffer location, e.g. ZS01 – ZS30.

The image displays two side-by-side screenshots of a mobile application interface titled "Issue material [8101]".

**Left Screenshot:**

- Fields: Printer (Select printer), WH Filter (All), Filter (27), Order, Material, Req Qty, Location (Download data from SAP...), ToLocation, Batch, Stock Qty, Actual Qty.
- The value "27" in the Filter field is circled in red.
- Buttons at the bottom: Save (green), Skip (blue), Clear (red).

**Right Screenshot:**

- Fields: Printer (Select printer), WH Filter (All), Filter (27), Order (110001340597), Material (27-301124-000-R000), Req Qty (200), Location (AB19), ToLocation (Select location), Batch (SZ00), Stock Qty, Actual Qty.
- The Location field has a dropdown menu open, showing "AB19" selected.
- A red dashed box highlights the Order, Material, Req Qty, Location, and Batch fields.
- Buttons at the bottom: Save (green), Skip (blue), Clear (red).

A red dashed arrow points from the circled "27" in the left screenshot to the right screenshot, indicating a transition or action.

## Issue material

1. Input material or work order and press enter, system will download material list and stock information from SAP automatically.
2. Sort by work order and material.
3. You can skip the current material if you need.

# Issue material and print label

< Back Issue material [8101]

Printer	Select printer
WH Filter	All
Filter	27
Order	110001340597
Material	27-301124-000-R000
Req Qty	200
Location	AB19
ToLocation	
Batch	0008373368
Stock Qty	5000
Actual Qty	200

Save

Skip

Clear

< Back Issue material [8101]

Printer	Select printer
WH Filter	All
Filter	27
Order	110001340597
Material	27-301124-000-R000
Req Qty	
Location	
ToLocation	
Batch	0008373368
Stock Qty	5000
Actual Qty	200

System message

Are you sure?

OK Cancel

Save

Skip

Clear

## Issue material

4. Scan the batch number or QR Code and press enter, System will show the stock quantity automatically.

5. Click the save button and confirm.

# Issue material and print label

< Back Issue material [8101]

Printer	Select printer
WH Filter	All
Filter	27
Order	110001340597
Material	27-301971-000-R000
Req Qty	200
Location	AC2
ToLocation	
Batch	
Stock Qty	
Actual Qty	

Save successfully

Save

Skip

Clear

< Back Issue material [8101]

Printer	Select printer
WH Filter	All
Filter	27
Order	110001340597
Material	27-301971-000-R000
Req Qty	200
Location	AC27
ToLocation	ZS01
Batch	0008390795
Stock Qty	2500
Actual Qty	205

Save

Skip

Clear

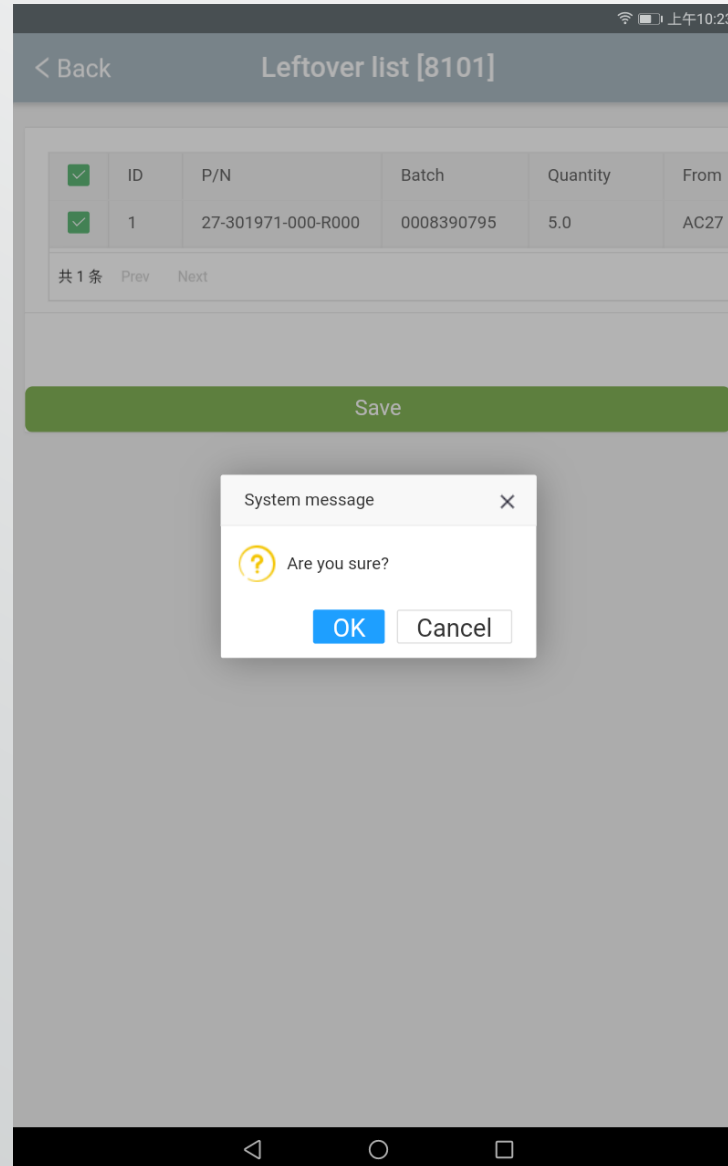
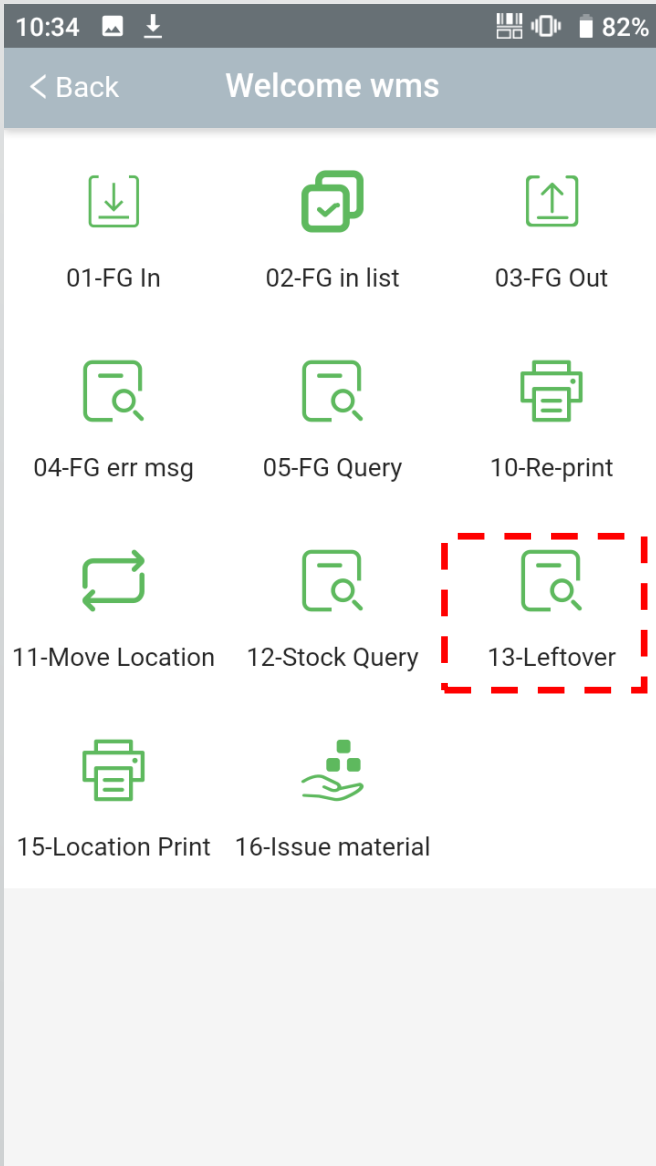
## Issue material

6.The system will skip to the next material automatically.

7. If the actual quantity exceed actual demand, you need input the to-location(e.g. ZS01, ZS02...).

8. You can change the actual quantity yourself.





## Buffer

- 1.Click "Leftover".
- 2.Select one or more record from item list.
- 3.Click the "Save" button.

# Buffer

**Structure Editor: Display IT\_ZBESTAND from Entry 1**

Column Entry Metadata

6 Entries

WERK	MATNR	LGOR	CHARG	S	POSID	LABST	ERSDA
8101	27-301971-000-R000	AC27	0008390795			2,295.000	04/13/2022
8101	27-301971-000-R000	AC27	0008390797			27,500.000	04/13/2022
8101	27-301971-000-R000	AC27	0008390801			12,500.000	04/13/2022
8101	27-301971-000-R000	AC27	0008390802			2,500.000	04/13/2022
8101	27-301971-000-R000	SZ00	0008390795			2,572.000	04/13/2022
8101	27-301971-000-R000	ZS01	0008390795			5.000	04/13/2022

Req Qty	200
Location	AC27
ToLocation	ZS01
Batch	0008390795
Stock Qty	2500
Actual Qty	205
Save	

## Buffer

The actual demand is 200 pcs, actual release quantity is 205, the exceeded quantity is 5pcs(205-200), location already change from AC27 to ZS01.

# Issue material and print label

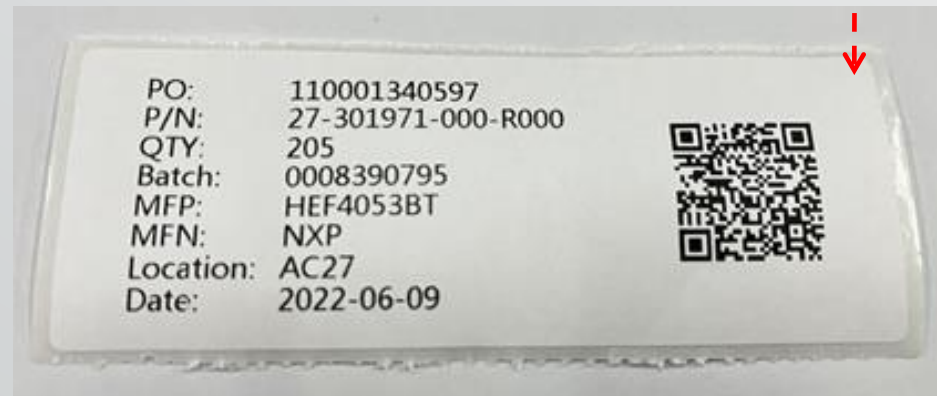
< Back Issue material [8101] 上午10:21

Printer	B62F_PB50
WH Filter	All
Filter	27
Order	110001340597
Material	27-304619-000-R000
Req Qty	100
Location	✓ 27-301971-000-R000 print successfully.
ToLocation	
Batch	
Stock Qty	
Actual Qty	

Save

Skip

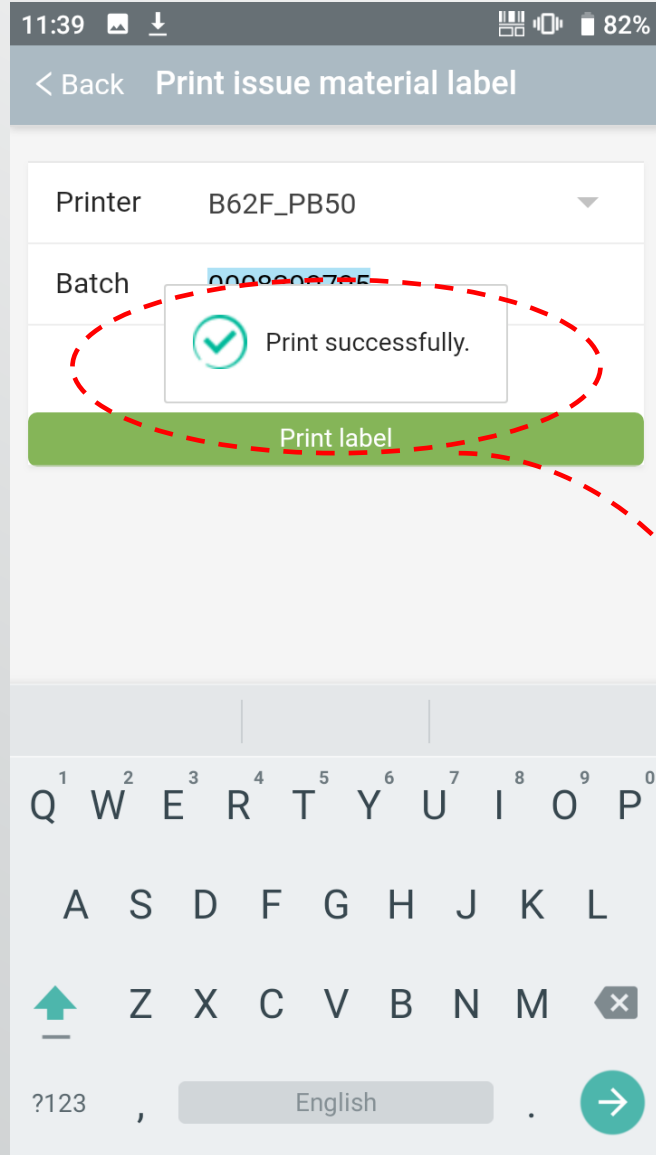
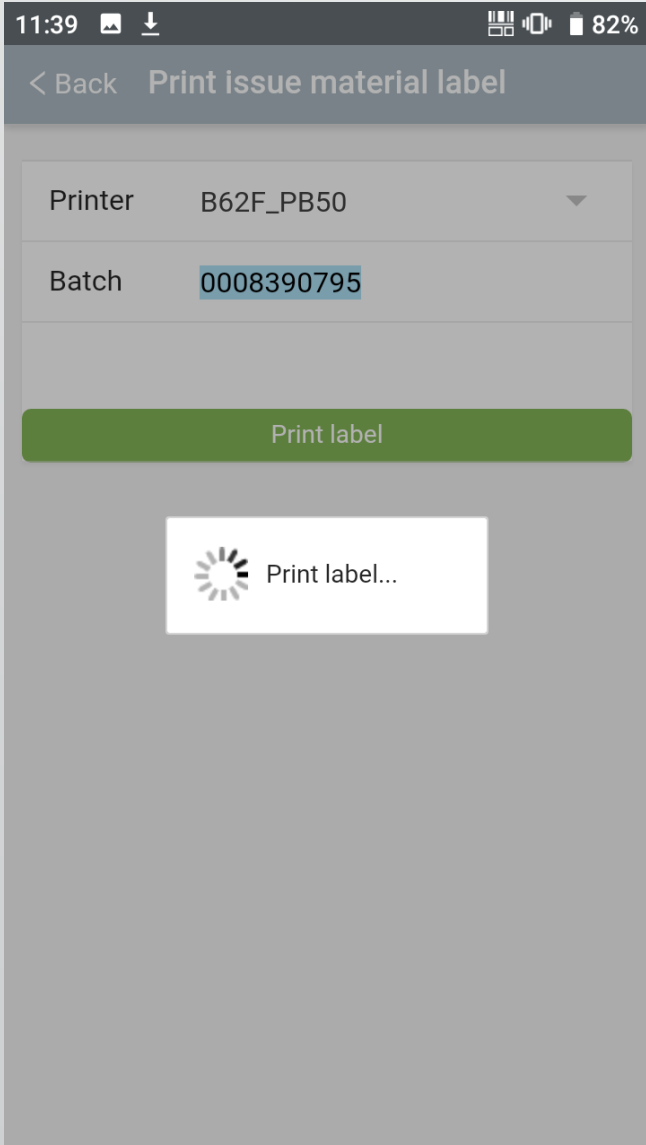
Clear



## Issue material

Once material issued, material labels will be printed out from system automatically. PDA need connect to the selected network printer, each printer should set a separate WIFI account, password and IP address. The label format as below. If we need to re-print any label, we can scan its QR-Code or input the batch number and press enter.

# Re-print label



## Re-print

1.Click "Re-print".

3.Select a printer from list.

3.Scan batch number or QR-Code, system will print label automatically.



# QR-Code format

Seq.	Data Item	Description
1	P/N	VTech Material Number
2	Batch	VTech Batch Number
3	Pack No.	Package Number
4	Plant	Plant Code
5	QTY	Package Quantity
6	Stock Flag	Special Stock flag
7	WBS	Production Log
8	Vendor	Vendor Code
9	Bin	Bin Code
10	INV	Vendor Invoice / Delivery Note Number
11	PO	VTech PO Number
12	MPN	Manufacturer Part Number
13	MFN	Manufacturer Name

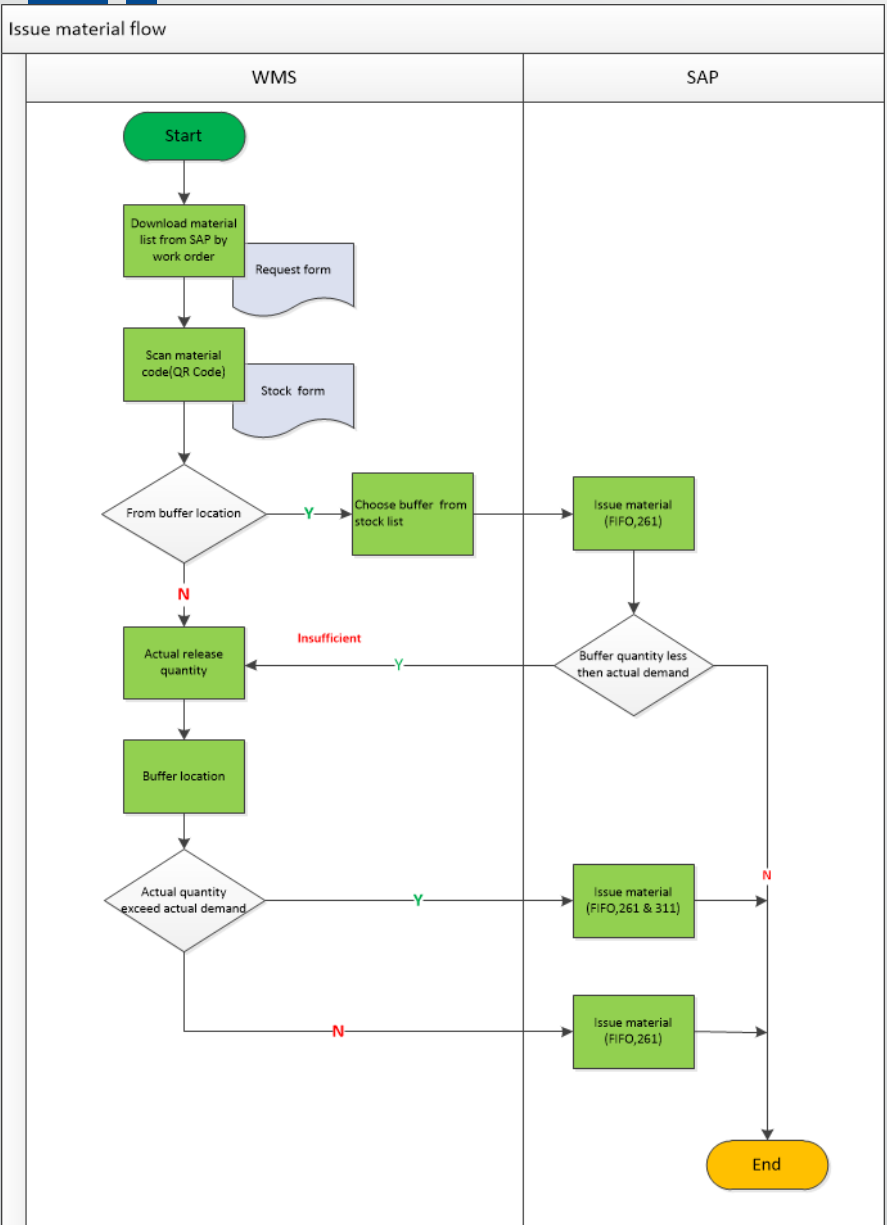
2, 二维码标签内容数据格式。

每个数据字段由 # 号分隔，并按以上顺序固定排列，最后以；号结尾。

```
49-100991-000-R000#0005941364#1/1#8501#301###14221##D20200317001#  
8510082305#80-010233-004-R000#VTECHMETAL;
```



# Issue material flow chart



## Issue material flow chart

As picture

# P0 Receive

# PO receive - PC

Gito

Inv/Del No

PO

Batch

Rec Qty

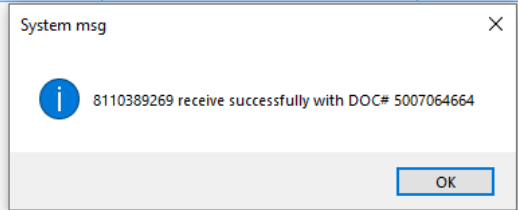
Pack Qty

Label Qty

	Pack Qty	Label Qty
▶	30	3
	5	1
	3	1
	2	1

	P/N	Total Qty	Allow Qty	Location	Ntgew	PO
▶	27-107000-000-R000	30730.000	30730.000	RS01	0.264	8110389269
	27-307122-000-R000	354.000	354.000	RS01	0.802	8110389269
	27-307634-000-R000	2985.000	2985.000	RS01	2.501	8110389269

	PO Line	OA Line	OA Qty	OA Date
▶	00020	0068	7500.000	2022-04-01
	00020	0067	3230.000	2022-04-01
	00020	0069	2500.000	2022-04-11
	00030	0055	5000.000	2022-04-11
	00030	0056	2500.000	2022-04-11
	00030	0054	7500.000	2022-05-03
	00040	0032	2500.000	2022-05-16



## PO Receive

1.Input gito, invoice no or delivery no.

2.Input PO and press enter, will download list from SAP automatically.

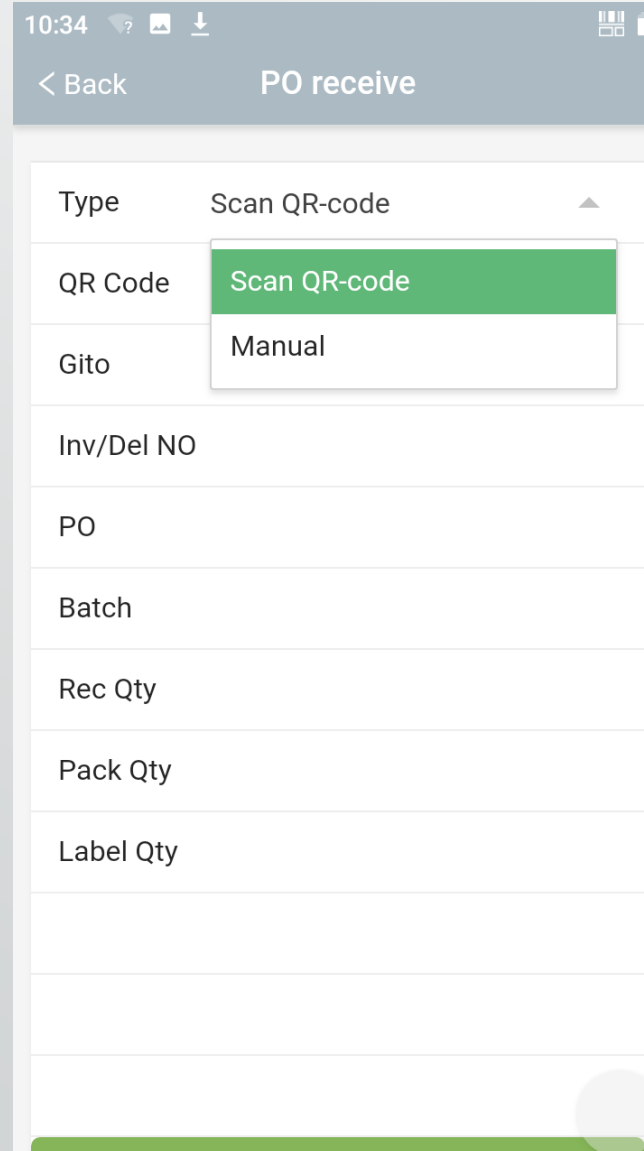
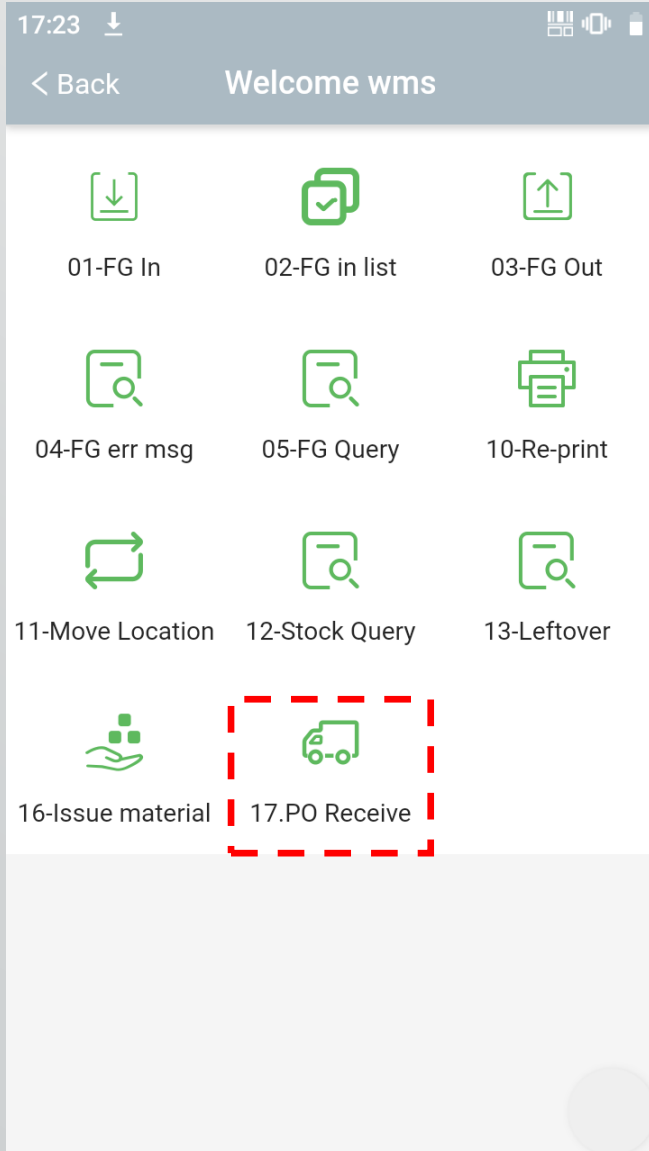
3.Select record from list.

4.Input receive quantity, pack quantity ,label quantity and press enter.

5.Click the save button to submit the data.



# PO receive - PDA



## PO Receive

1. Choose the scan or manual.

2. Scan QR-Code if you choose the type is "Scan QR-code".

3. Invoice#, PO#, Batch# and quantity will be download from system automatically.

2 way can be used to receive goods, first is to scan the QR code, then related PO#, batch# and qty. etc. will automatically show up and we do not need input one by one.

2nd way is manual receiving, we then have to input invoice#, PO#, qty. etc.

# PO receive - PDA

Rec Qty **1000**

Pack Qty 1000

Label Qty 1

	P/N	Total Qty
<input checked="" type="radio"/>	27-308277-000-R000	3800.000

共 1 条 Prev Next

PO Line	OA Line	OA Qty	OA I
00030	0013	3800.000	202

共 1 条 Prev Next

1

2 ABC

3 DEF

-

4 GHI

5 JKL

6 MNO

.

7 PQRS

8 TUV

9 WXYZ

×

\* #

0 +

English

→

Inv/Del NO D20220916\_1

PO 5310000394

Batch 0008399278

Rec Qty 1000

Pack Qty **1000**

Label Qty **1**

	P/N	Total Qty
<input checked="" type="radio"/>	27-308277-000-R000	3800.000

共 1 条 Prev Next

PO Line	OA Line	OA Qty	OA I
00030	0013	3800.000	202

共 1 条 Prev Next

Pack Qty	Label Qty
1000	1

## PO Receive

4.Choose the material from item list.

5.The outstanding PO line, OA line will automatically pop up from system.

6.Save your record after input completed.

# PO receive - PDA

Type

Scan QR-code

QR Code

27-308277-000-R000#00083992

Gito

Inv/Del NO

D20220916\_1

PO

5310000394

Batch

0008399278

Rec

Pac

Lab

System message

Are you sure?

OK

Cancel

	P/N	Total Qty
<input checked="" type="radio"/>	27-308277-000-R000	3800.000

共 1 条

Prev

Next

Pack Qty

Label Qty

Save

Type

Scan QR-code

QR Code

27-308277-000-R000#00083992

Gito

Inv/Del NO

PO

Batch

Pac Qty

5310000394 receive successfully with DOC# 5007064756

Label Qty

	P/N	Total Qty
<input type="radio"/>	27-308277-000-R000	800.000

共 1 条

Prev

Next

Pack Qty

Label Qty

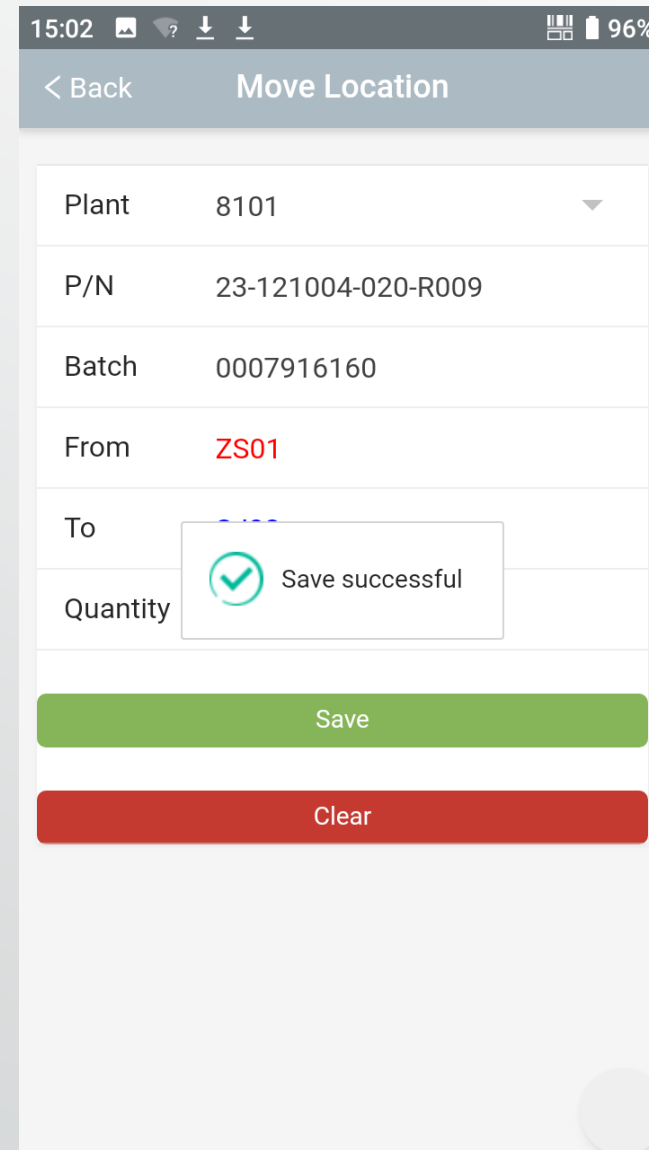
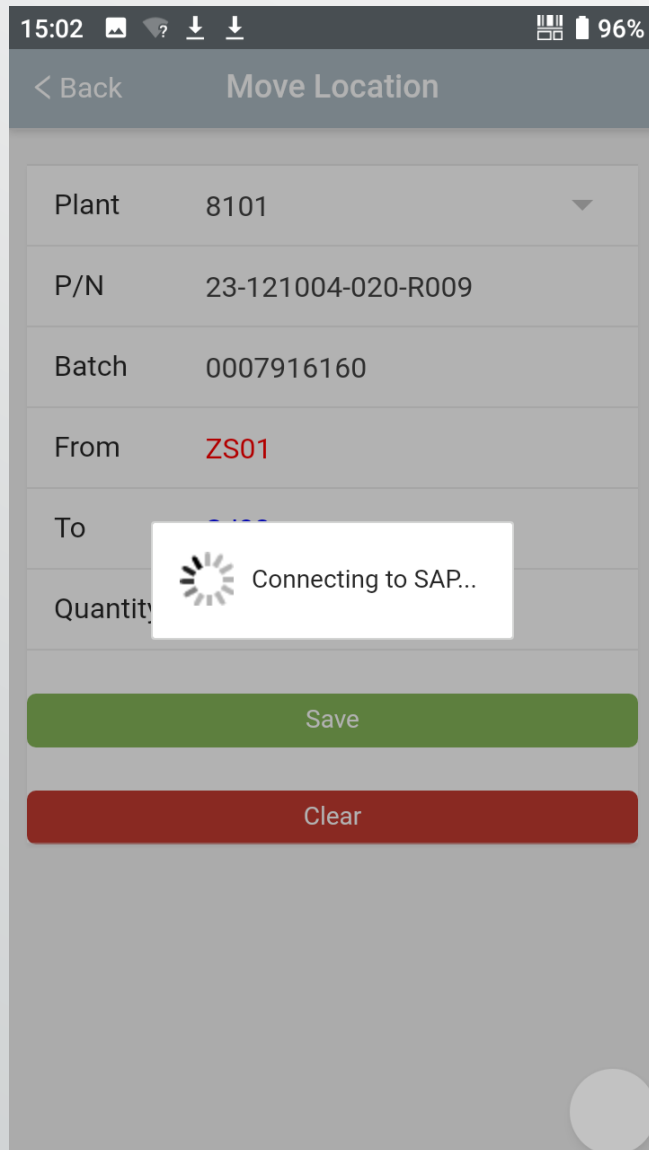
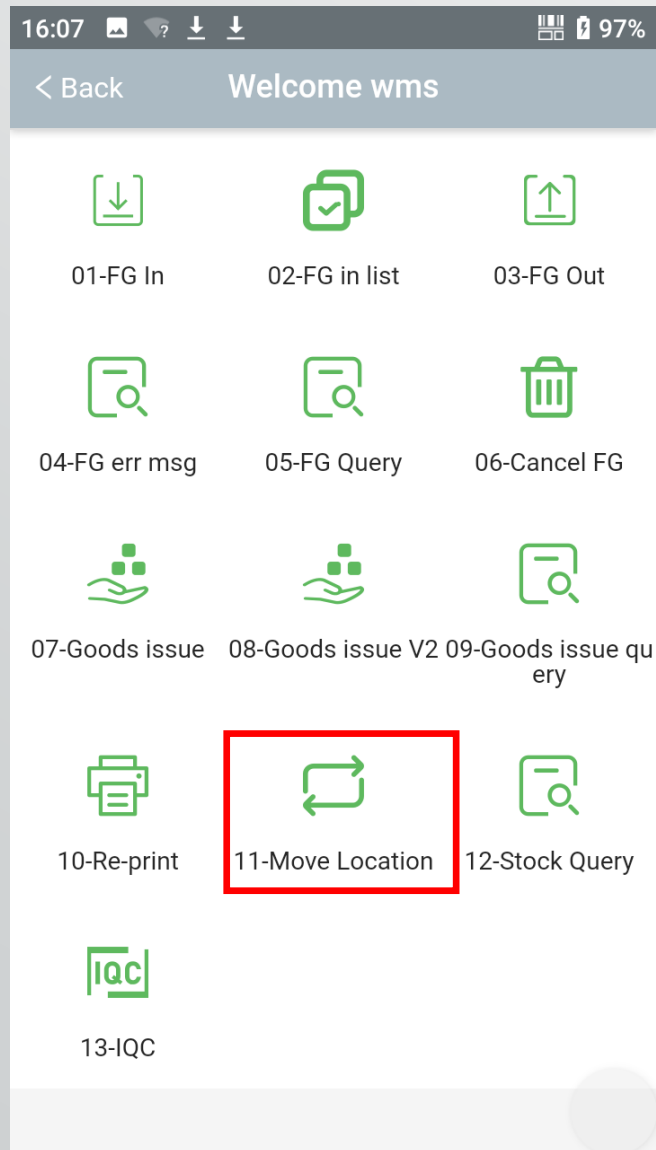
Save

## PO Receive

7.System will automatically show up the message and doc number.

# Move location

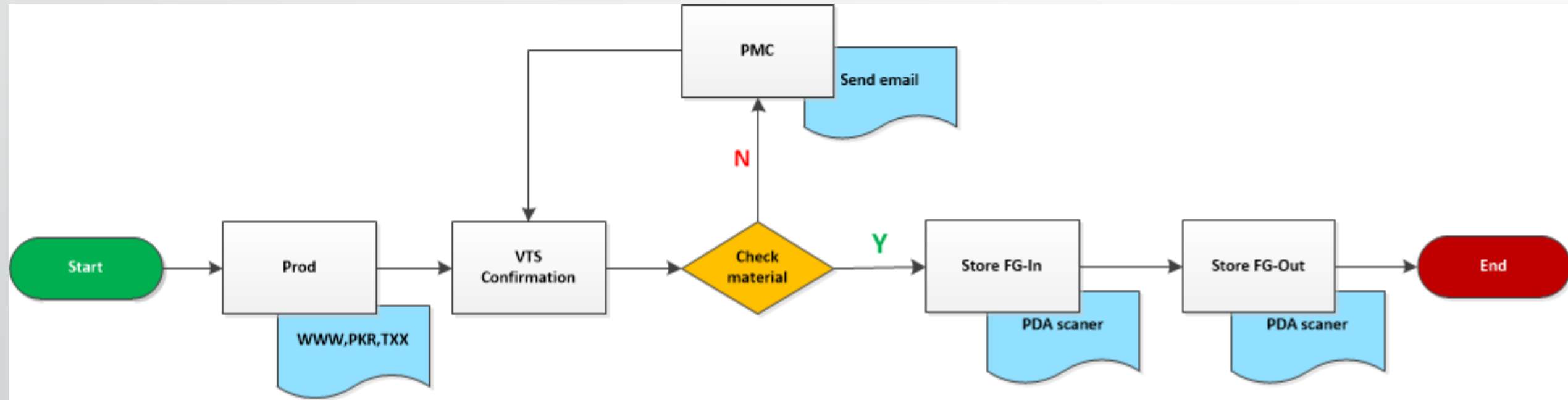
# Move location



## Move location

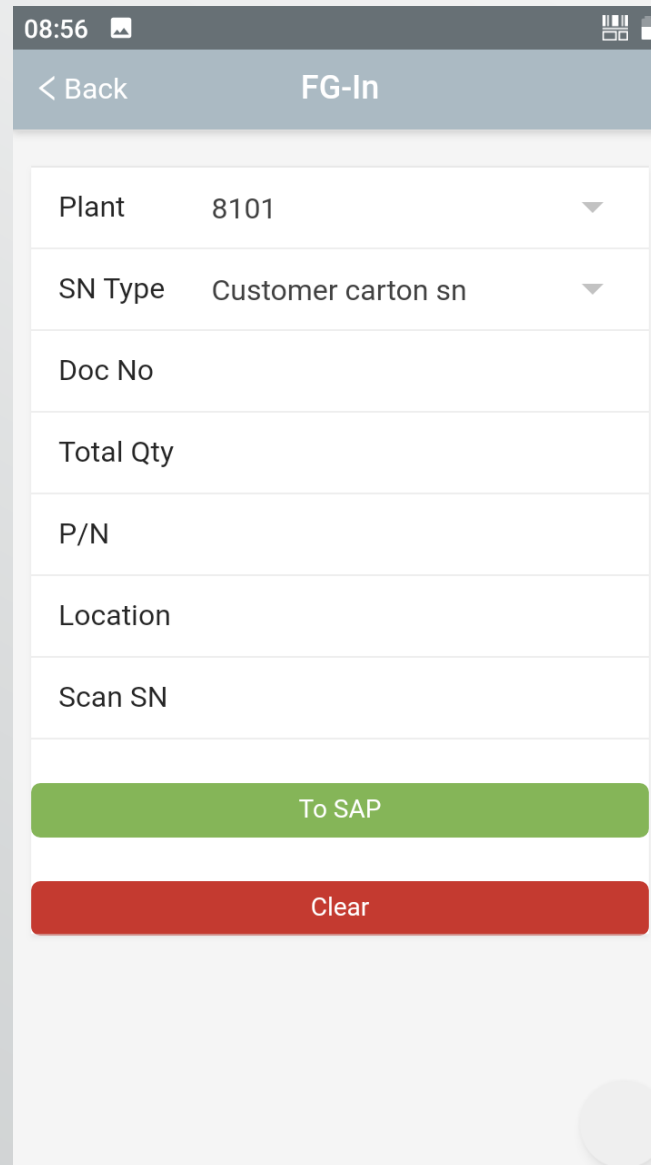
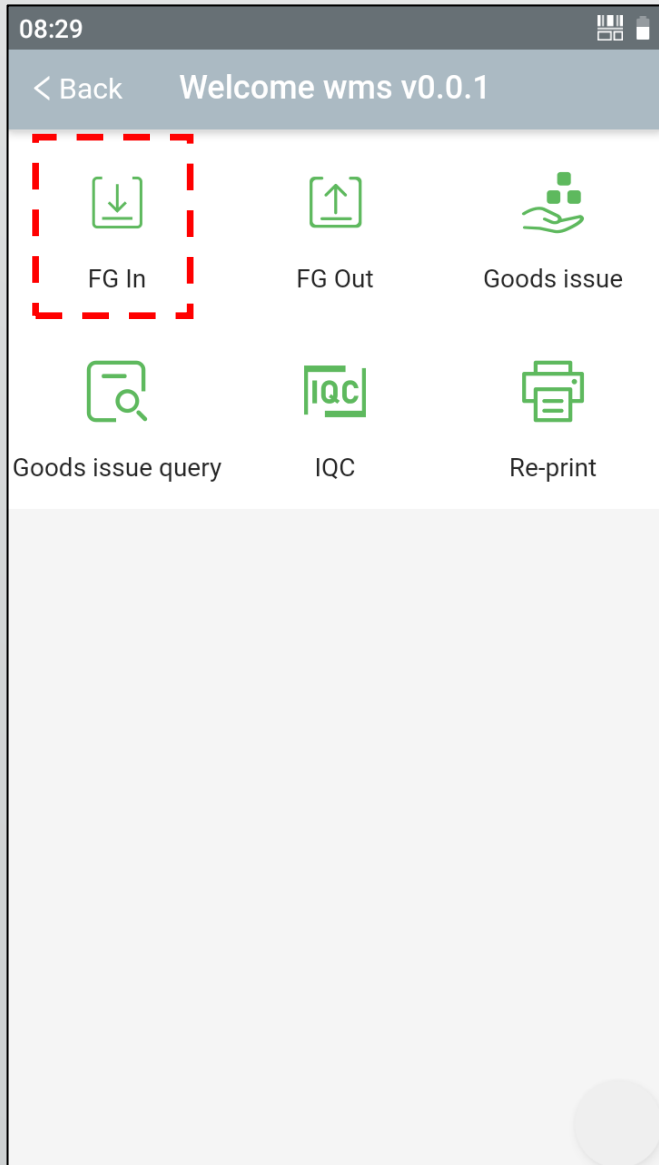
1. Select a plant from list.
2. Scan material QR\_Code or input material and batch number.
3. Input old location and new location.
4. Click the "Save" button.

# FG-In & FG-Out



## Flow




- 1.Prod scan serial number in process(TXX,WWW,PKR...).
- 2.VTS will upload output(confirmation) to SAP automatically.
- 3.FG-In(Serial doc number, carton sn or customer sn).
- 4.FG-Out(DN, carton sn or customer sn)



## FG-In

1. Click "FG-In".
2. Select a plant, e.g. 8101, 5301, 6501
3. Select sn type.
4. Input doc number and press enter.
5. Input product name and location.
6. Scan serial number (Carton SN & Product SN).




09:04   

SN Type Carotn SN

Doc No 003

Total Qty 0

D/M 00-01-1082-012-0001

 A110001290889C0041 save successful.



Scan SN A110001290889C0041


To SAP




Clear

Q W E R T Y U I O P

A S D F G H J K L

 Z X C V B N M 

?123 , English 

10:07   


< Back FG-In

Plant 8101

SN Type Customer carton sn

Doc No 0050

Total Qty 360

 Input Qty in Unit of Entry More than Confirmed Qty.

Scan SN MBTD1136263680

To SAP

Clear

## FG-In

1.Scan sn one by one.

2.If the sn is incorrect, system will show the error message.

< Back

FG-In

Plant

8101

SN Type

Customer carton sn

Doc No

003

Total Qty

360

P/N


Locatio

Scan SN

MBTD1136263680

To SAP

Clear



Connecting to SAP...

< Back

FG-In

Plant

8101

SN Type

Customer carton sn

Doc No

003

Total Qty

360

P/N


Locatio

Scan SN


MBTD1136263680

To SAP

Clear



003 Save successful.



Production order Display: He

Material

Capacity

Order

110001301943

Material

80-00D054-100-Z003

PKG,V3

Status

REL MSPT PCNF PRC BCRQ CFCO

General

Assignment

Goods Receipt

Co

Quantities

Total Qty

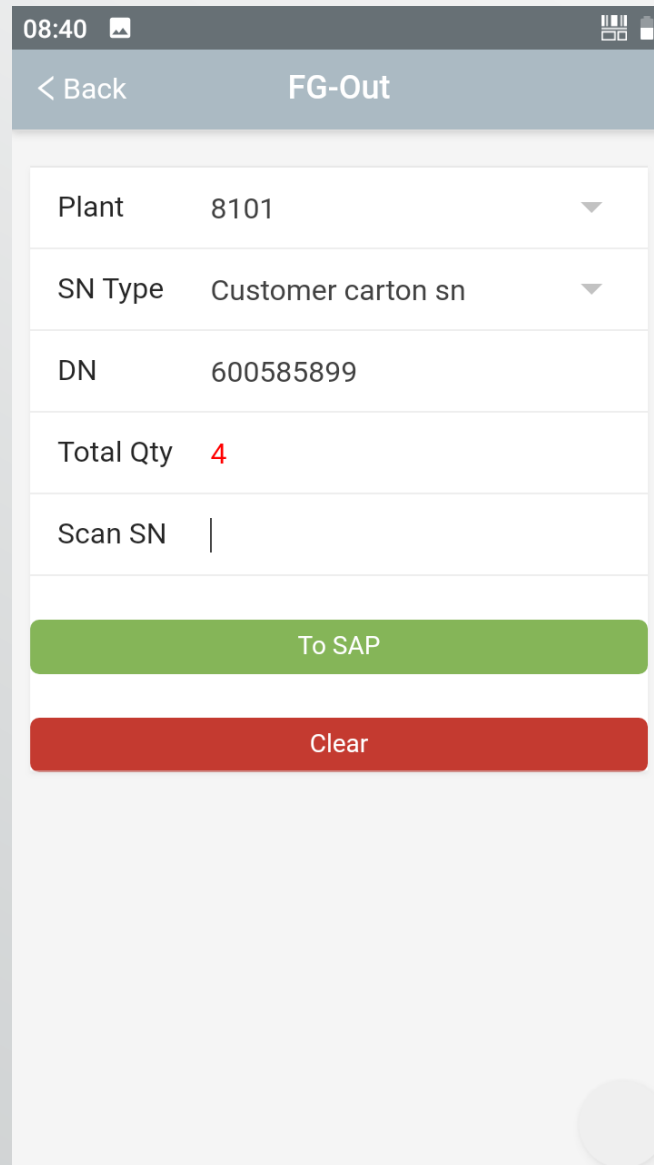
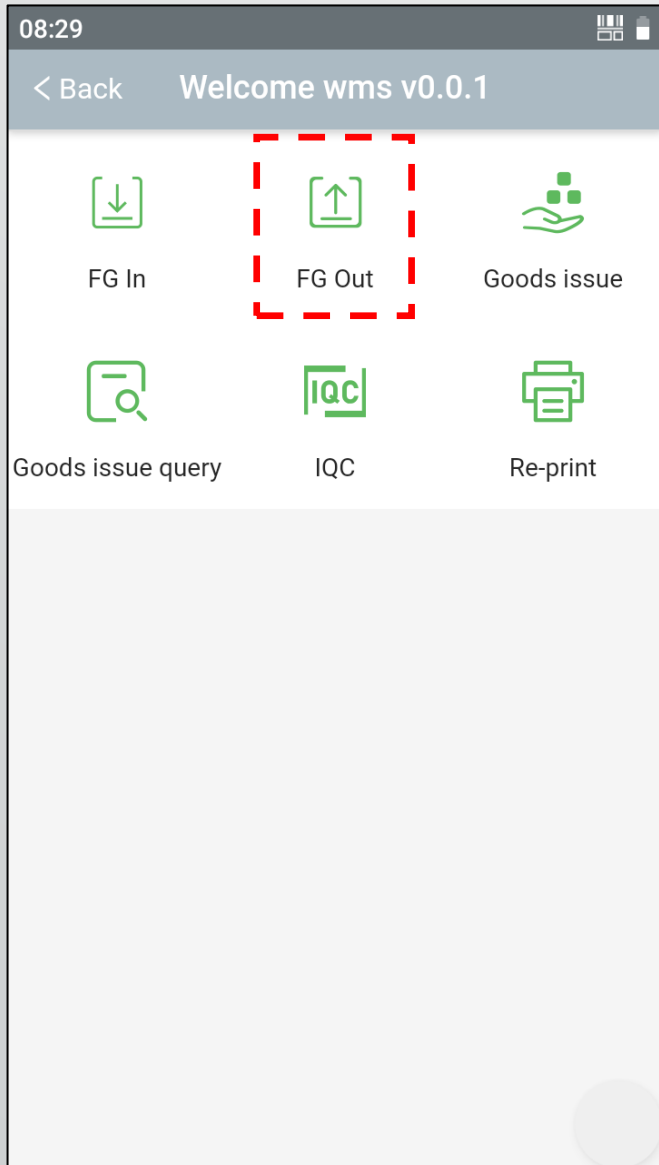
3,600

EA

Delivered

1,800

Dates/Times



## FG-Out

1. Click "FG-Out".
2. Select a plant, e.g. 8101, 5301, 6501.
3. Select sn type.
4. Input DN number and press enter.
5. Scan serial number (Carton SN & Product SN).

11:43

< Back

FG-Out

Plant

8101

SN Type

Carotn SN

DN

600585955

Total Qty

75

Save

✓

600585955 Save successful.

Clear

**Report to ZSERIAL**




SN Document Number	Material	Batch Number	Pla...	Storage Location	SN QTY
600585955	80-00D087-001-R000	0007868204			75

**Material Document List**


HeaderText	Material	Pla...	SLoc	M...	Batch	Qty in unit of entry
004	80-00D087-001-R000	8101	FA05	101	0007868204	75
	80-00D087-001-R000	8101	FA05	601	0007868204	75-


# Location label print


# Location label print


10:34    82%


< Back Welcome wms


  
01-FG In


  
02-FG in list


  
03-FG Out


  
04-FG err msg


  
05-FG Query


  
10-Re-print




  
11-Move Location

  
12-Stock Query

  
13-Leftover

  
15-Location Print

  
16-Issue material

15:16    83%

< Back Location print [8101]

Printer	B62F_PB50	▼
From	AA05	
To	AA07	
<div>Print wh location label</div>		

## Location label print

- 1.Click “Location print”.
- 2.Select a print from list.
- 3.Enter location, e.g. From “AA05” to “AA07”, System will print “AA05”, “AA06” and “AA07”.

# Location label print

15:16 83%

< Back Location print [8101]

Printer	B62F_PB50
From	AA05
To	AA07

Print wh location label



# Material label print




# RT label print



User ID

Password

DataBase

PRD 

Login

Exit

## Login

- 1.Input your id and password.
- 2.Select PRD or QAS.
- 3.Click the "Login" button.

# Material label print

RT Label print

User Id  
admin

PO Number

Material

Received Date

Query

Cancel

Label list

Checked	Material	PO	Batch	Quantity	Received Date	Unit	Vendor	Doc
<input checked="" type="checkbox"/>	27-403579-000-R001	8110394680	0008466186	10.000	2023-05-01	EA	0000010226	
<input checked="" type="checkbox"/>	27-403579-000-R001	8110394680	0008466187	20.000	2023-05-02	EA	0000010226	
<input checked="" type="checkbox"/>	27-403579-000-R002	8110394681	0008466188	30.000	2023-05-03	EA	0000010226	

☐ Select All ☐ Unselect All

OK Cancel

## RT label print

1. User ID is required and you can skip po# , material and date.
2. Click "Query" button to preview label list.
3. Select item from list and submit.
4. Click "Print" button and select a printer.
5. Current label list will be printed out from system automatically.

# Material label print



RT Label print

User Id

admin

PO Number

8110394680

Material

Received Date

2023-05-23

Query

Cancel

Print Save 1 of 9 Close

MSL Life Pack 3/3 8101  
Batch 0008466186  
Order 8110394680 Receipt 2023-05-01 LM317T/NOPB TI  
Quantity 10.000  
EA RoHS VTECH  
27-403579-000-R001

MSL Life Pack 2/3 8101  
Batch 0008466186  
Order 8110394680 Receipt 2023-05-01 LM317T/NOPB TI  
Quantity 10.000  
EA RoHS VTECH  
27-403579-000-R001

MSL Life Pack 1/3 8101  
Batch 0008466186  
Order 8110394680 Receipt 2023-05-01 LM317T/NOPB TI  
Quantity 10.000  
EA RoHS VTECH  
27-403579-000-R001

MSL Life Pack 1/1 8101  
Batch 0008466187  
Order 8110394680 Receipt 2023-05-02 LM317T/NOPB TI  
Quantity 10.000  
EA RoHS VTECH  
27-403579-000-R001

MSL Life Pack 5/5 8101  
Batch 0008466186  
Order 8110394681 Receipt 2023-05-03 LM317T/NOPB TI  
Quantity 30.000  
EA RoHS VTECH  
27-403579-000-R002 IQC-ACC

MSL Life Pack 2/5 8101  
Batch 0008466188  
Order 8110394681 Receipt 2023-05-03 LM317T/NOPB ST  
Quantity 30.000  
EA RoHS VTECH  
27-403579-000-R002 IQC-ACC

MSL Life Pack 3/5 8101  
Batch 0008466188  
Order 8110394681 Receipt 2023-05-03 LM317T/NOPB ST  
Quantity 30.000  
EA RoHS VTECH  
27-403579-000-R002 IQC-ACC

MSL Life Pack 2/5 8101  
Batch 0008466188  
Order 8110394681 Receipt 2023-05-03 LM317T/NOPB ST  
Quantity 30.000  
EA RoHS VTECH  
27-403579-000-R002 IQC-ACC

Print

Printer: Microsoft Print to PDF (redirected 1) Settings...

☐ Print to file

Page range: ☒ All ☐ Current page ☐ Pages:

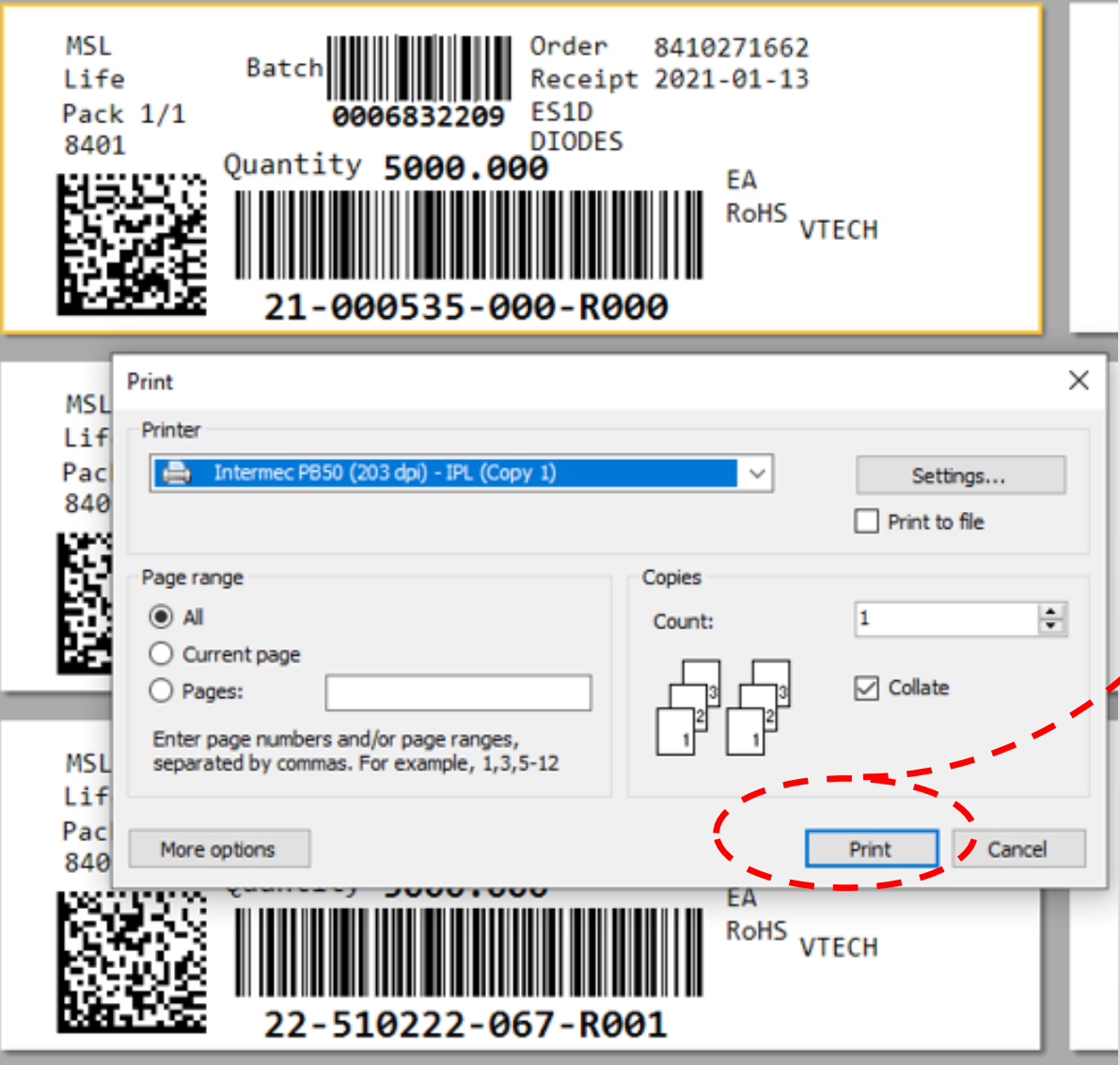
Enter page numbers and/or page ranges, separated by commas. For example, 1,3,5-12

More options

Copies: Count: 1  Collate ☒

Print Cancel

# RT label print



# RT label re-print

Batch

0007806892

Print quantity

300

Material quantity

5000.000

Query

Preview

Print Save 1 of 17 Close

MSL Life Batch Order 5310023402 Receipt 2021-11-02  
Pack 1/17 0007806892 10-107003-000-R000  
5301 KUO HUEI EA RoHS VTECH  
Quantity 300  
10-107003-000-R000

MSL Life Batch Order 5310023402 Receipt 2021-11-02  
Pack 2/17 0007806892 10-107003-000-R000  
5301 KUO HUEI EA RoHS VTECH  
Quantity 300  
10-107003-000-R000

MSL Life Batch Order 5310023402 Receipt 2021-11-02  
Pack 3/17 0007806892 10-107003-000-R000  
5301 KUO HUEI EA RoHS VTECH  
Quantity 300  
10-107003-000-R000

MSL Life Batch Order 5310023402 Receipt 2021-11-02  
Pack 4/17 0007806892 10-107003-000-R000  
5301 KUO HUEI EA RoHS VTECH  
Quantity 300  
10-107003-000-R000

MSL Life Batch Order 5310023402 Receipt 2021-11-02  
Pack 5/17 0007806892 10-107003-000-R000  
5301 KUO HUEI EA RoHS VTECH  
Quantity 300  
10-107003-000-R000

MSL Life Batch Order 5310023402 Receipt 2021-11-02  
Pack 6/17 0007806892 10-107003-000-R000  
5301 KUO HUEI EA RoHS VTECH  
Quantity 300  
10-107003-000-R000

MSL Life Batch Order 5310023402 Receipt 2021-11-02  
Pack 7/17 0007806892 10-107003-000-R000  
5301 KUO HUEI EA RoHS VTECH  
Quantity 300  
10-107003-000-R000

MSL Life Batch Order 5310023402 Receipt 2021-11-02  
Pack 8/17 0007806892 10-107003-000-R000  
5301 KUO HUEI EA RoHS VTECH  
Quantity 300  
10-107003-000-R000

Page 1 of 17 100%

## Re-print

1. Input batch number.
2. Input print quantity.
3. Click "Query" button to download data from SAP.
4. Click "Preview" button to preview label list.
5. If you change the print quantity, need click "Query" and "Preview" button again.



# RT label re-print

Batch

0007806892

Print quantity

300

Material quantity

5000.000

Query

Preview

Print Save 1 of 17 Close

MSL Life Pack 1/17 5301  
Batch 0007806892  
Quantity 300  
Order 5310023402 Receipt 2021-11-02 10-107003-000-R000 KUD HUEI  
EA RoHS VTECH  
10-107003-000-R000

MSL Life Pack 2/17 5301  
Batch 0007806892  
Quantity 300  
Order 5310023402 Receipt 2021-11-02 10-107003-000-R000 KUD HUEI  
EA RoHS VTECH  
10-107003-000-R000

MSL Life Pack 3/17 5301  
Batch 0007806892  
Quantity 300  
Order 5310023402 Receipt 2021-11-02 10-107003-000-R000 KUD HUEI  
EA RoHS VTECH  
10-107003-000-R000

MSL Life Pack 4/17 5301  
Batch 0007806892  
Quantity 300  
Order 5310023402 Receipt 2021-11-02 10-107003-000-R000 KUD HUEI  
EA RoHS VTECH  
10-107003-000-R000

MSL Life Pack 5/17 5301  
Batch 0007806892  
Quantity 300  
Order 5310023402 Receipt 2021-11-02 10-107003-000-R000 KUD HUEI  
EA RoHS VTECH  
10-107003-000-R000

MSL Life Pack 6/17 5301  
Batch 0007806892  
Quantity 300  
Order 5310023402 Receipt 2021-11-02 10-107003-000-R000 KUD HUEI  
EA RoHS VTECH  
10-107003-000-R000

MSL Life Pack 7/17 5301  
Batch 0007806892  
Quantity 300  
Order 5310023402 Receipt 2021-11-02 10-107003-000-R000 KUD HUEI  
EA RoHS VTECH  
10-107003-000-R000

MSL Life Pack 8/17 5301  
Batch 0007806892  
Quantity 300  
Order 5310023402 Receipt 2021-11-02 10-107003-000-R000 KUD HUEI  
EA RoHS VTECH  
10-107003-000-R000

Print

Printer: Intermec PB50 (203 dpi) - IPL

Settings...

☐ Print to file

Page range:

☒ All

☐ Current page

☐ Pages:

Enter page numbers and/or page ranges, separated by commas. For example, 1,3,5-12

More options

Copies:

Count: 1

☒ Collate

Print Cancel

## Re-print

6. Click "Print" button and select a printer.

7. Current label list will be printed out from system automatically.



# RT label re-print one by one

Print Save 1 of 1 Close

Batch  
0006792354

Pack  
1/5

Print quantity  
150

Query and View

MSL  
Life  
Pack 1/5  
8101

Batch  
0006792354

Order 8110366053  
Receipt 2021-01-02  
BZX84C16  
SEMTECH

Quantity 150.000

EA  
RoHS  
VTECH

21-106889-000-R000

## Re-print

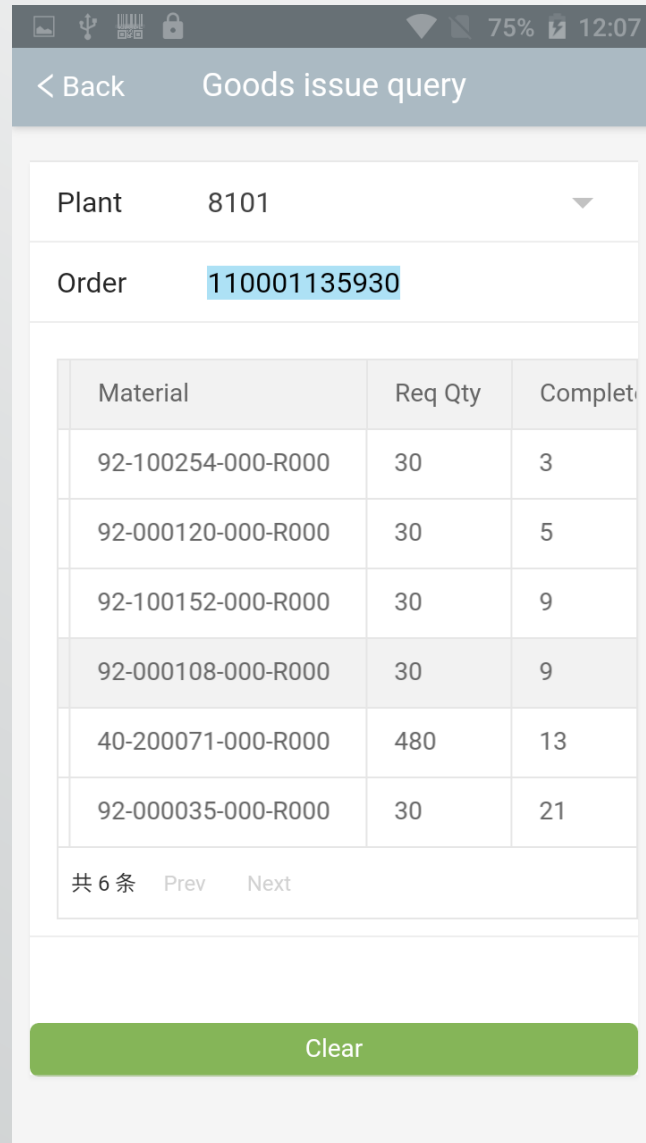
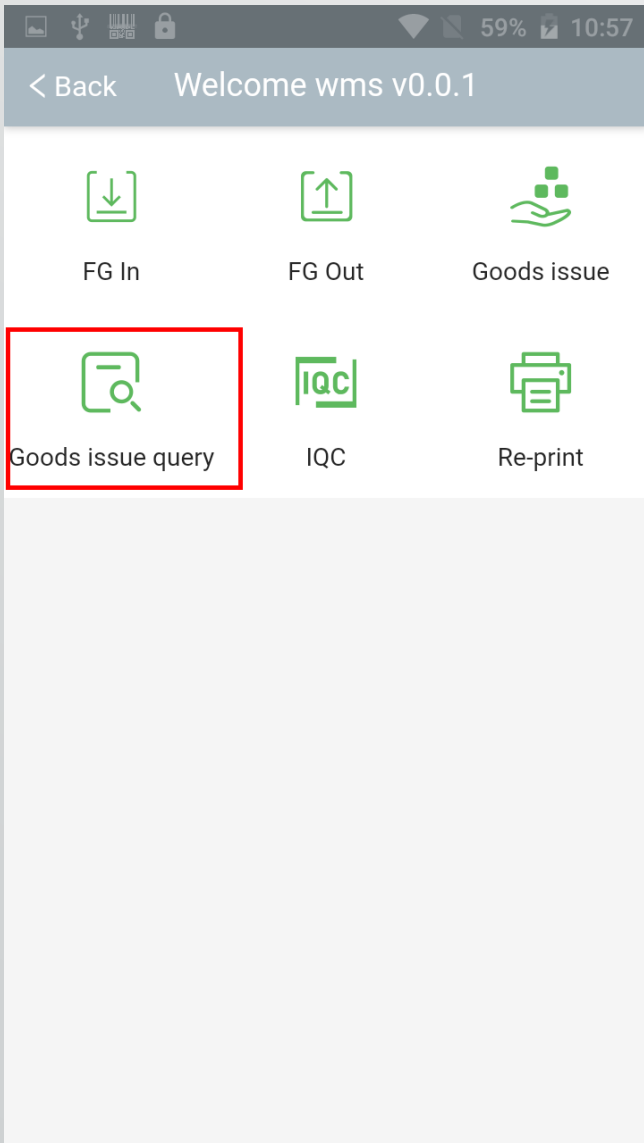
You can input the quantity and print label one by one.



# Reports



# Issue material query



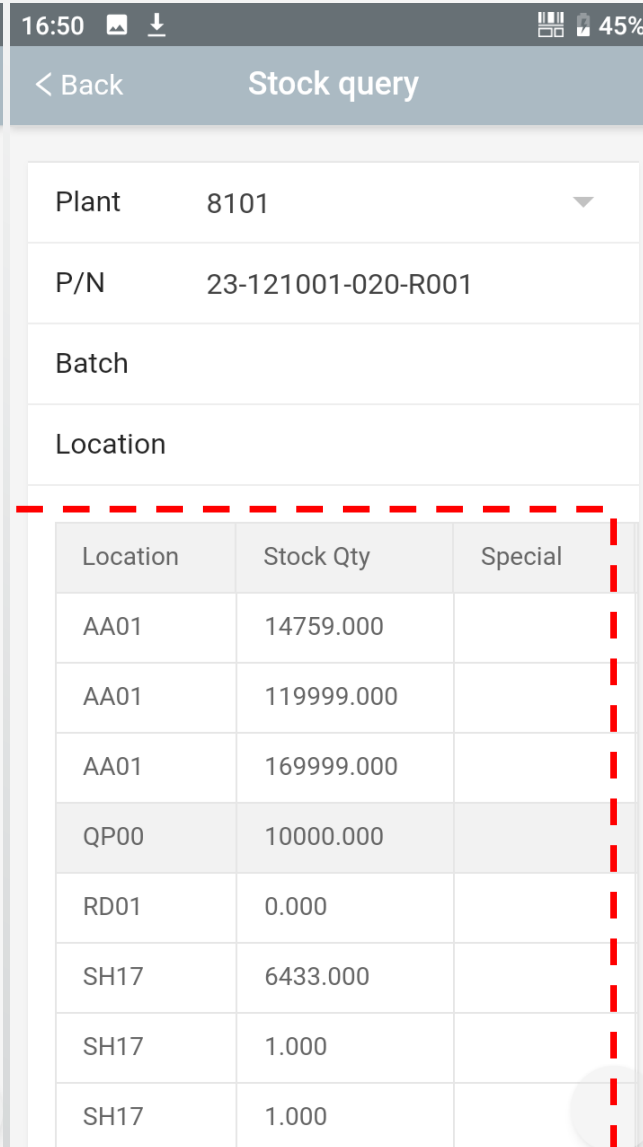
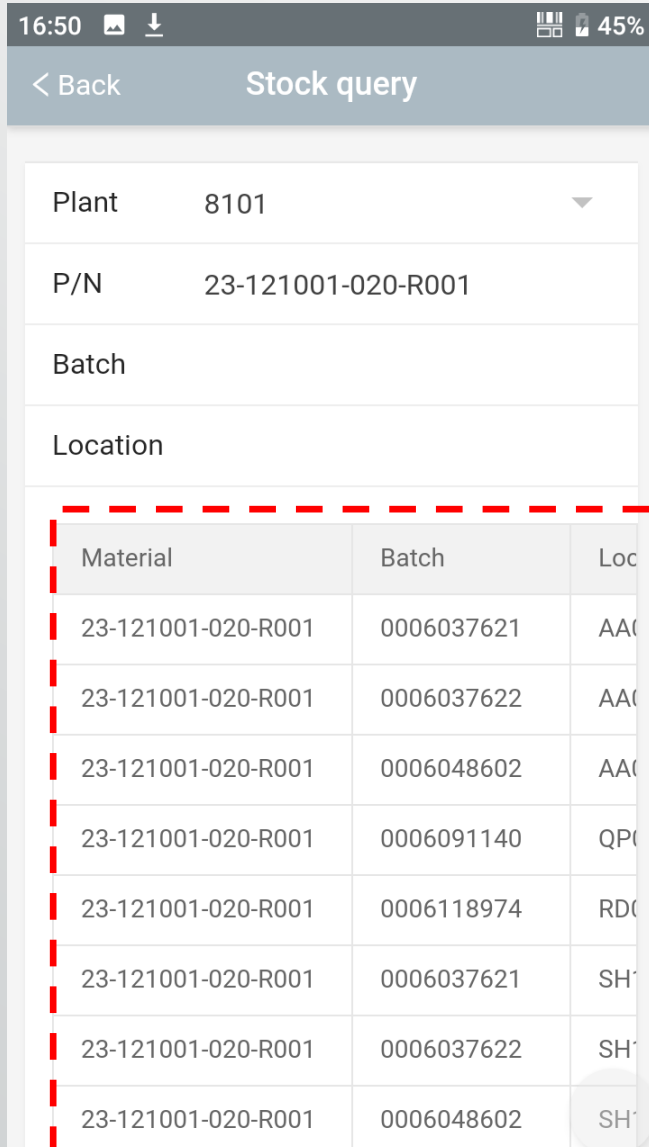
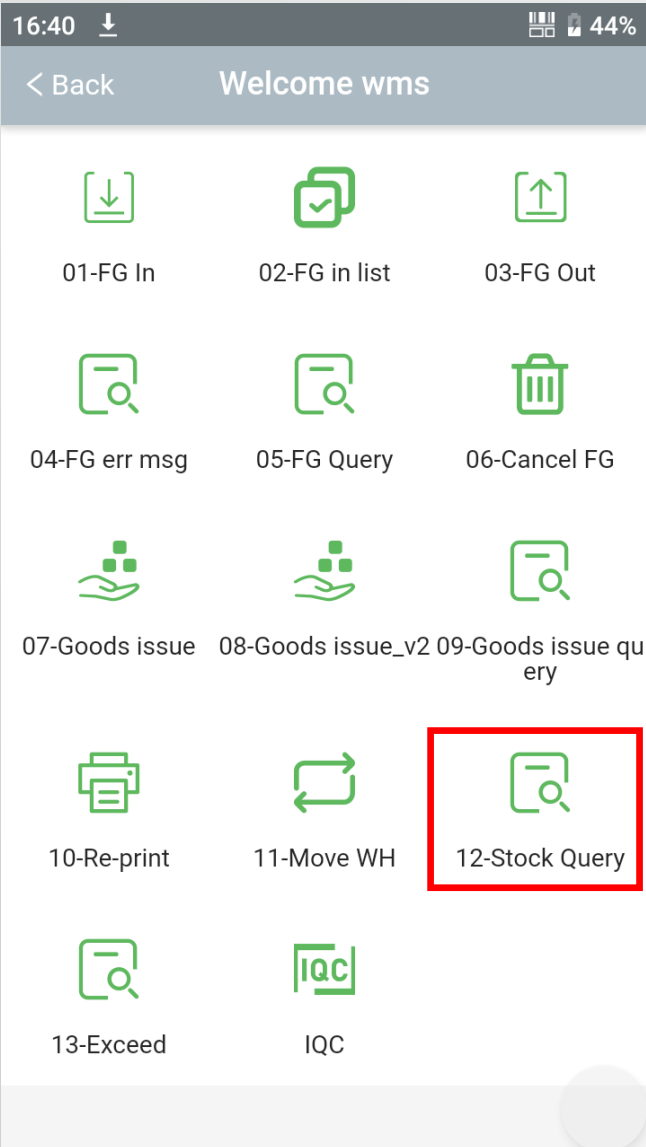
## Query

1. Click "Issue material query".
2. Select a plant from list.
3. Input or scan work order, will show data in list.

# Stock query

## Stock Query

- 1.Click”Stock query”.
- 2.Select a plant from list.
- 3.Input p/n , batch or location, will show data in list ( following red rectangle)



Thank You