visibility
intelligence
value

E-Track Application

Makson Healthcare Pvt. Ltd.

Software Requirement Specification
(SRS)

The document details the summary of solution architecture and approach for the development of E-Track for Makson Healthcare. The document is based on the inputs, system study, discussions and meeting held between BCI & Makson Healthcare Teams.

Prepared By: Prateeksha, Leena

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Version: 1.0.0

Revision History

REVISION NO.	DATE	PREPARED BY	REVIEWED BY	COMMENT
1.0.0	09-08-2023	Prateeksha, Leena	Chandrakant Shindkar	Software Requirement Specification document for Makson Healthcare for DGFT eTrack Application.

Abbreviations:

Client: Makson Healthcare Pvt. Ltd., henceforth will be referred as Makson Healthcare.

Vendor: Bar Code India, henceforth, will be referred as BCI.

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Table of Contents

1 SPECIFICATION ORGANIZATION

The objective of this document is to supply underlying concepts, procedures, and formats used in the design, development and installation of this software application. This specification consists of three sections organized as follows:

Section 1: Introduction

This section provides hardware requirements and documentation conventions.

Section 2: User Interface

This section depicts screen design and logic flow, and is categorized into two groups:

- Application Function Module
- Common Routine

Section 3: System Architecture

This section provides information of system architecture.

2 INTRODUCTION

2.1 INTENDED AUDIENCE AND READING SUGGESTIONS

The scope of this document is to provide the understanding of this solution to user & development teams associated with the application development & implementation.

This document major emphasizes on providing clear understanding of e-Track Application.

This solution comprises of:

- Device Application
- Desktop Application
- ERP Integration (API Interface)

2.2 PROJECT SCOPE

The e-Track application implements the persistent data requirement for management of packaging Serialization System in compliance with 21 CFR Part 11 requirements and Serialization guidelines of DGFT India.

This would require development of **Wi-Fi enabled application for real time transaction** i.e. the data will be captured in real-time, once the data has been collected, the database can then provide useful reports about status of material in warehouse.

3 User Interface Specification Conventions

This section specifies the user interface portion of the application.

Section Organization

The User Interface Specification presents screen displays or "**Dialogs**".

Documentation Conventions

This section incorporates illustrations of the application user interface. Each screen display "Dialog" consists of the screen display image, a process name, a paragraph documenting the processing required for the dialog, a paragraph listing the navigation options, and a table listing for each variable field on the dialog, its database source or destination, format, and any instructions required to process the field.

The following section contains a sample dialog with each area identified.

4 System Log

System shall maintain internal logs for application.

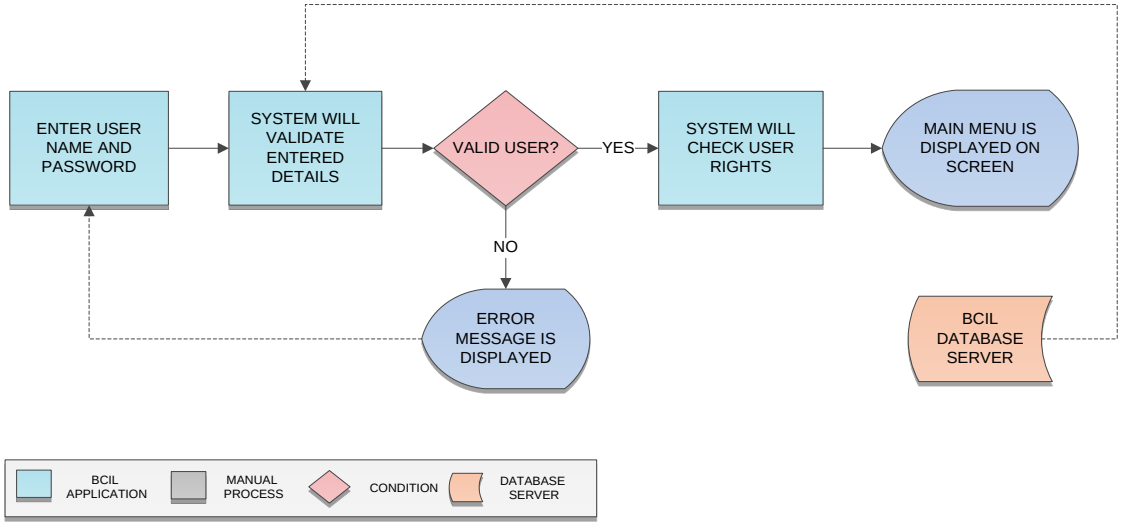
4.1 Error Logs

These logs will contain any errors encountered during runtime for faster resolution of any problem post deployment.

5 APPLICATION MODULES- WEB, DESKTOP & DEVICE

5.1 APPLICATION LOGIN

This login module will provide access to the application modules. Here the admin/user needs to enter the login detail to enter in the application and to perform the desired actions.



Process: User needs to enter the User Name/ID and Password in display fields and press the Login button. Application will validate the user credential.

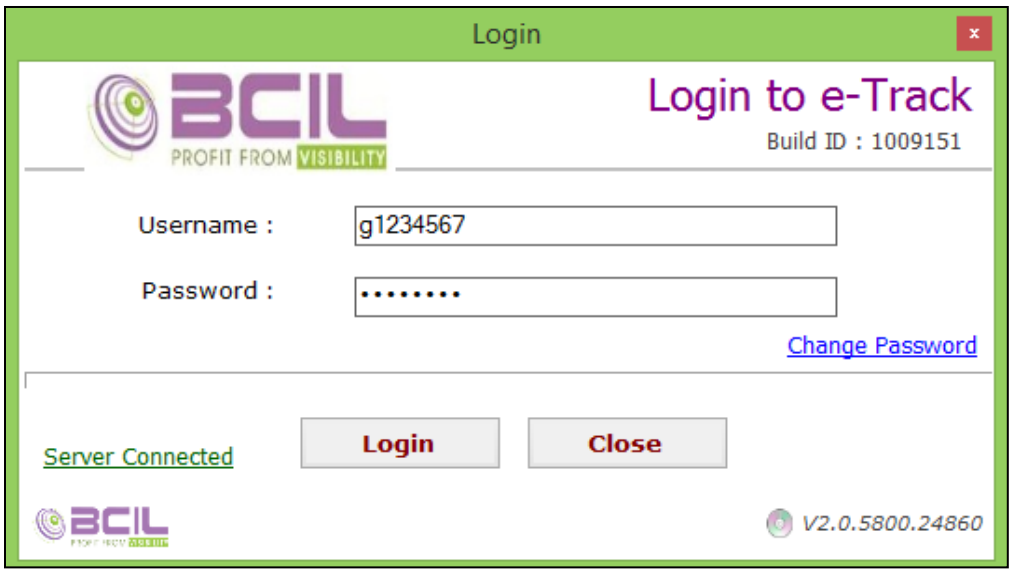
User will be able to view only those screens/ modules of which he has been given access rights to.

Validation

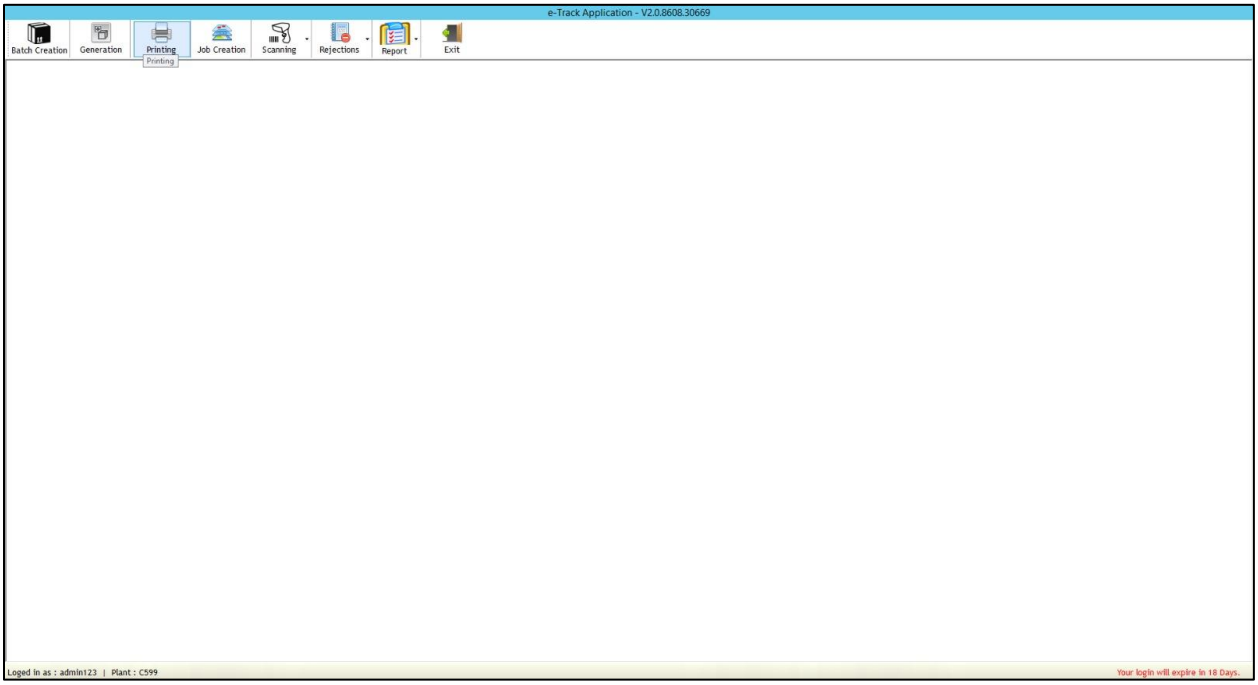
- User Name/ ID will be unique for all users.
- User Name/ ID and Password length will be set.

After successful login application menu screen will appear. Menu screen will have the Master, Label Printing, WIP, DB Settings and Reports options etc.

Login Sample Screen:



5.2 MENU


e-Track Application - V2.0.8608.30669
Batch Creation
Generation
Printing
Job Creation
Scanning
Rejections
Report
Exit
Printing
Loged in as : admin123 | Plant : C599
Your login will expire in 18 Days.

5.3 User Management & Master Data

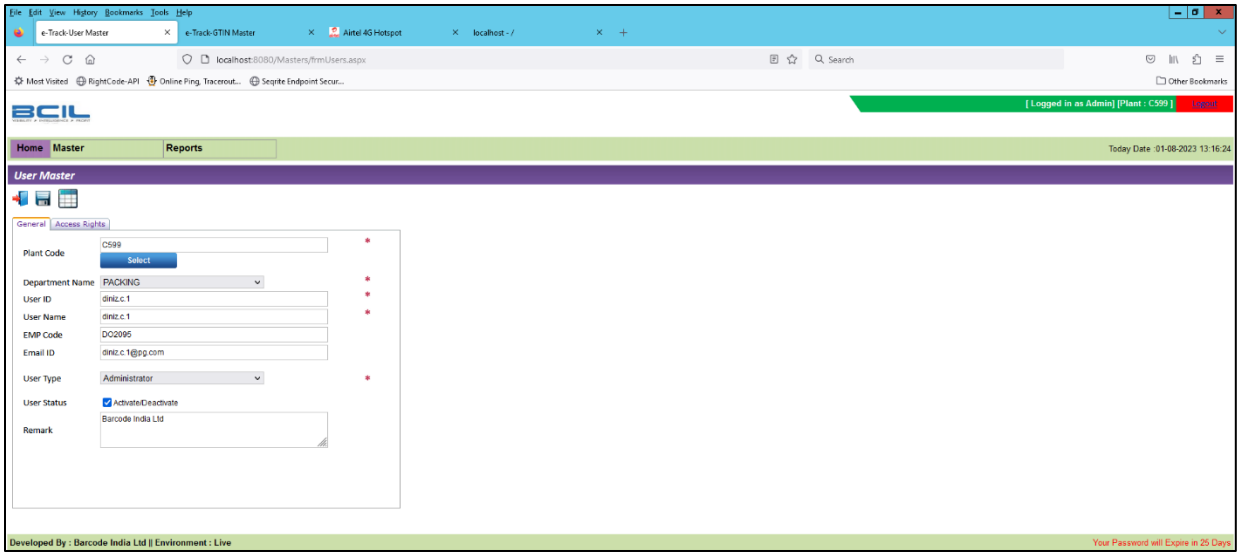
The module will let application administrator to manage the Users, and the rights assigned to the same; the rights will define authorized application access of users.

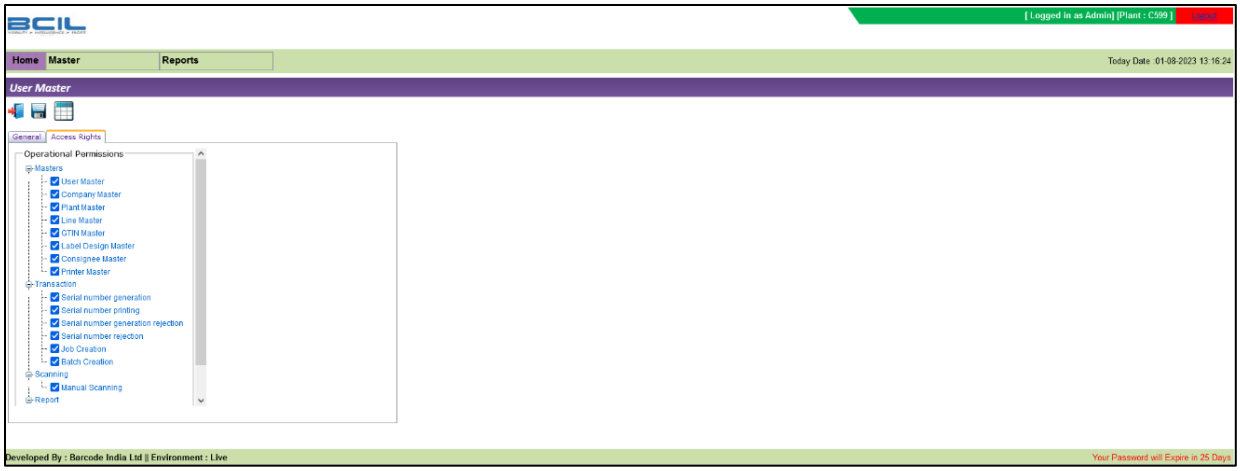
5.3.1 User Master

The module will be used to add, save, delete a particular user details. Admin user will enter details of application's user. The users will be provided with unique id and password through which they will be able to login to the system. Using this module, admin will provide the access rights of the required application modules to user.

Data Fields	1. Plant Code 2. Department Name 3. User Id 4. User Name 5. Employee Code 6. Email Id 7. User Status 8. Remark
Process Steps	1. Select Plant Code from dropdown. 2. Select Department Name from dropdown. 3. Enter User Id, Username, Employee Code, Email Id and Remark. **User Name and Password should be equal to or greater than eight characters.* 4. Select User Type from dropdown. 5. Select Modules for which Access rights needs to be assigned to user. 6. Save and Update the details in database. 7. User can export the details in Excel format, if required.
Functions	Add, Edit/Update, Delete and Export to Excel as per requirement

Sample Screen:


e-Track-User Master
e-Track-GTIN Master
Airtel 4G Hotspot
localhost - /
localhost:8080/Masters/frmUsers.aspx
[Logged in as Admin] [Plant : C599]
Logout
Home
Master
Reports
Today Date :01-08-2023 13:16:24
User Master
General
Access Rights
Plant Code
C599
Select
Department Name
PACKING
User ID
diniz.c.1
User Name
diniz.c.1
EMP Code
DO2095
Email ID
diniz.c.1@pg.com
User Type
Administrator
User Status
Activate/Deactivate
Remark
Barcode India Ltd
Developed By : Barcode India Ltd || Environment : Live
Your Password will Expire in 25 Days


[Logged in as Admin] [Plant : C599]
Logout
Home
Master
Reports
Today Date :01-08-2023 13:16:24
User Master
General
Access Rights
Operational Permissions
Masters
User Master
Company Master
Plant Master
Line Master
GTIN Master
Label Design Master
Consignee Master
Printer Master
Transaction
Serial number generation
Serial number printing
Serial number generation rejection
Serial number rejection
Job Creation
Batch Creation
Scanning
Manual Scanning
Report
Developed By : Barcode India Ltd || Environment : Live
Your Password will Expire in 25 Days

5.3.2 COMPANY MASTER

The master module will be used to save the Company details against in database.

Data Fields	1. GS1 Prefix 2. Company Name 3. Company Address 1 4. Company Address 2 5. City 6. State 7. Country 8. Pincode 9. Govt. License No. 1 10. Govt. License No. 2 11. Govt. License No. 3 12. Status i.e. Active/ Inactive
Process Steps	1. Enter GS1 Prefix, Company Name, City, State and other details. 2. Select Active/ Inactive Status. 3. Save details. 4. Newly added Company details will appear on screen in data grid. 5. User can export the details in Excel format, if required.
Functions	Add, Edit/Update, Delete and Export to Excel as per requirement

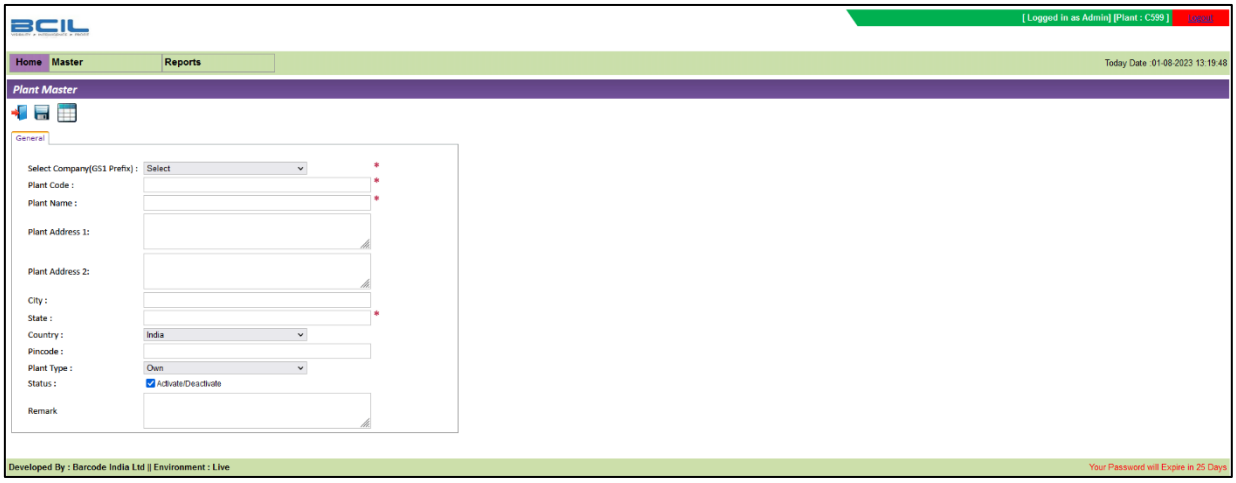
Sample Screen:

5.3.3 PLANT MASTER

The master module will be used to save the Plant details against in database.

Data Fields	1. Company (GS1 Prefix) 2. Plant Code 3. Plant Name 4. Plant Address 1 5. Plant Address 2 6. City 7. State 8. Country 9. Pincode 10. Plant Type 11. Remarks 12. Status i.e. Active/ Inactive
Process Steps	1. Select Company (GS1 Prefix) from dropdown. 2. Enter Plant Code, Plant Name, Plant Address 1, Plant Address 2, City, State and other details. 3. Save the details. 4. Newly added Plant details will appear on screen in data grid. 5. User can export the details in Excel format, if required.
Functions	Add, Edit/Update, Delete and Export to Excel as per requirement

Sample Screen:

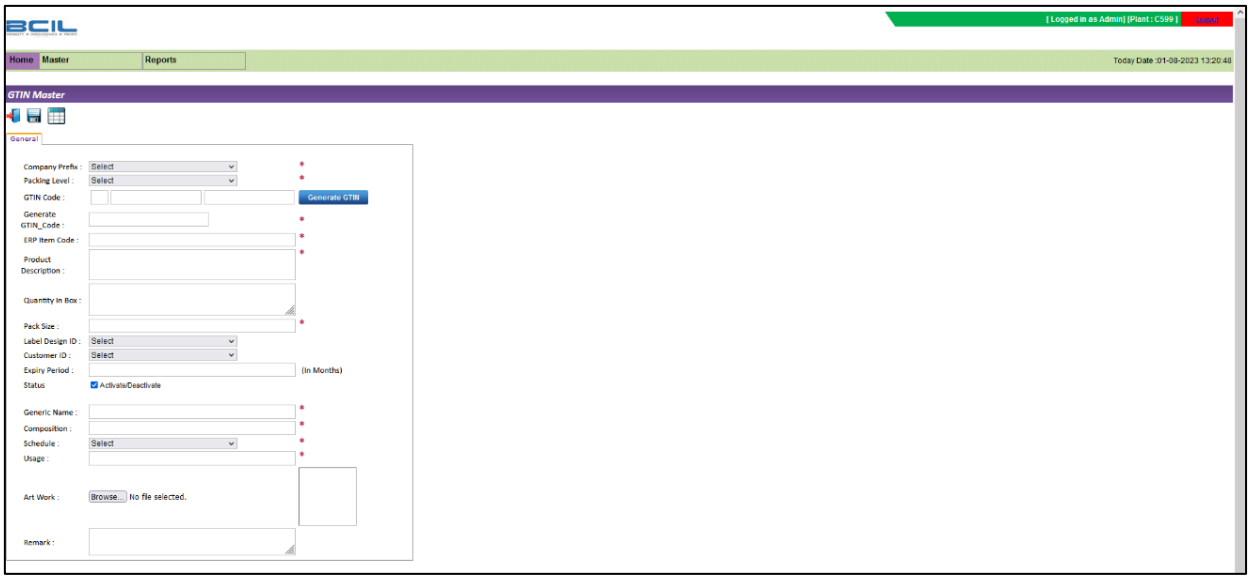


5.3.4 GTIN MASTER

This master will be used to view the GTIN details in database. Using this module, user will be able to add, update and delete as per requirement.

Data Fields	1. Company Prefix 2. Packing Level 3. GTIN Code 4. Generate GTIN Code 5. ERP Item Code 6. Product Description 7. Quantity in Box 8. Pack Size 9. Label Design ID 10. Customer ID 11. Expiry Period 12. Status 13. Generic Name 14. Composition 15. Schedule 16. Usage 17. Art Work 18. Remark
Process Steps	1. Click on Add button. 2. Select Company Prefix, Packing Level, Label Design ID, Customer ID. 3. Enter GTIN Code, Generate GTIN Code, ERP Item Code, Product Description, Quantity in Box, Pack Size, and other details. 4. Click on Status button to activate it. 5. Select Art Work file by clicking on Browse button. **Fields marked with * are mandatory.* 6. Click on Save. 7. Newly added GTIN details will appear on screen in data grid. 8. User can export the details in Excel format, if required.
Functions	Add, Update, Delete and Export to Excel as per requirement

Sample Screen:



5.3.5 LINE MASTER

This module will allow user to Line details.

Data Fields	1. Company ID 2. Plant ID 3. Name 4. Status 5. Line Type 6. Product Code 7. Printing Method 8. Label Type 9. Scanning Method 10. Scanning Device 11. Port 12. Device IP 13. Com Port 14. Print File Name 15. Remark
Process Steps	1. Click on Add button. 2. Select Company ID, Plant ID, Line Type, Printing Method, Label Type, Scanning Method from dropdown. 3. Enter Name, Product Code, Scanning Device, Port, Device IP, and other details.

	4. Click on Status button to activate it. 5. Click on Save. 6. Newly added Line details will appear on screen in data grid. 7. User can export the details in Excel format, if required.
Functions	Add, Edit/Update, Delete and Export as per requirement

Sample Screen:

5.3.6 CONSIGNEE MASTER

This master will be used to view the Consignee details in database. Using this module, user will be able to add, update and delete as per requirement.

Data Fields	1. Customer Name 2. Address 3. Address1 4. Address2 5. City 6. State 7. Pincode 8. Country 9. Tertiary ID 10. Secondary ID 11. Status
Process Steps	1. Click on Add button. 2. Enter Customer Name, Address, Address1, Address2, Country. and other details.

	3. Select Tertiary ID, Secondary ID from dropdown. 4. Click on Status button to activate it. **Fields marked with * are mandatory.* 5. Click on Save. 6. Newly added Consignee details will appear on screen in data grid. 7. User can export the details in Excel format, if required.
Functions	Add, Update, Delete and Export to Excel as per requirement

Sample Screen:

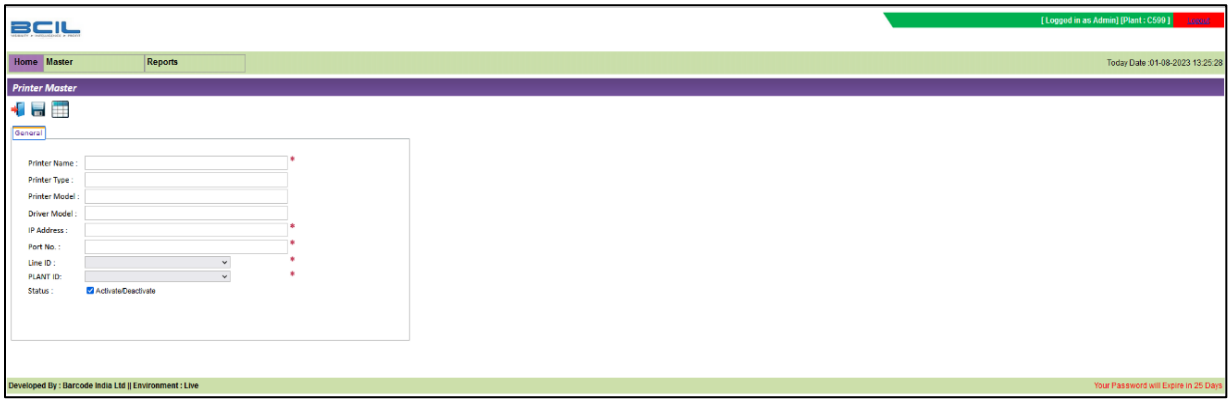
5.3.7 PRINTER MASTER

This master will be used to view the Printer details in database. Using this module, user will be able to add, update and delete as per requirement.

Data Fields	1. Printer Name 2. Printer Type 3. Printer Model 4. Driver Model 5. IP Address 6. Port No 7. Line ID 8. Plant ID 9. Status
Process Steps	1. Click on Add button 2. Enter Printer Name, Printer Type, Printer Model, Driver Model. and other details.

	3. Select Line ID, Plant ID from dropdown. 4. Click on Status button to Activate it. **Fields marked with * are mandatory.* 5. Click on Save. 6. Newly added Printer details will appear on screen in data grid. 7. User can export the details in Excel format, if required.
Functions	Add, Update, Delete and Export to Excel as per requirement

Sample Screen:



5.3.8 LABEL DESIGN MASTER

This master will save the EAN Code details in database.

Data Fields	1. Packing Level 2. Label Type 3. Label Size 4. PRN Type 5. Plant ID 6. Line ID 7. Select PRN File 8. Status
Process Steps	1. Click on Add button. 2. Select Packing Level, Label Type, Label Size, PRN Type, Plant ID, Line ID from dropdown. 3. Enter Label Size. 4. Click on Browse button to select PRN file 5. Click on Status button to Activate it. **Fields marked with * are mandatory.*

	6. Click on Save. 7. Newly added Label design details will appear on screen in data grid. 8. User can export the details in Excel format, if required.
Functions	Add, Edit/Update, Delete as per requirement

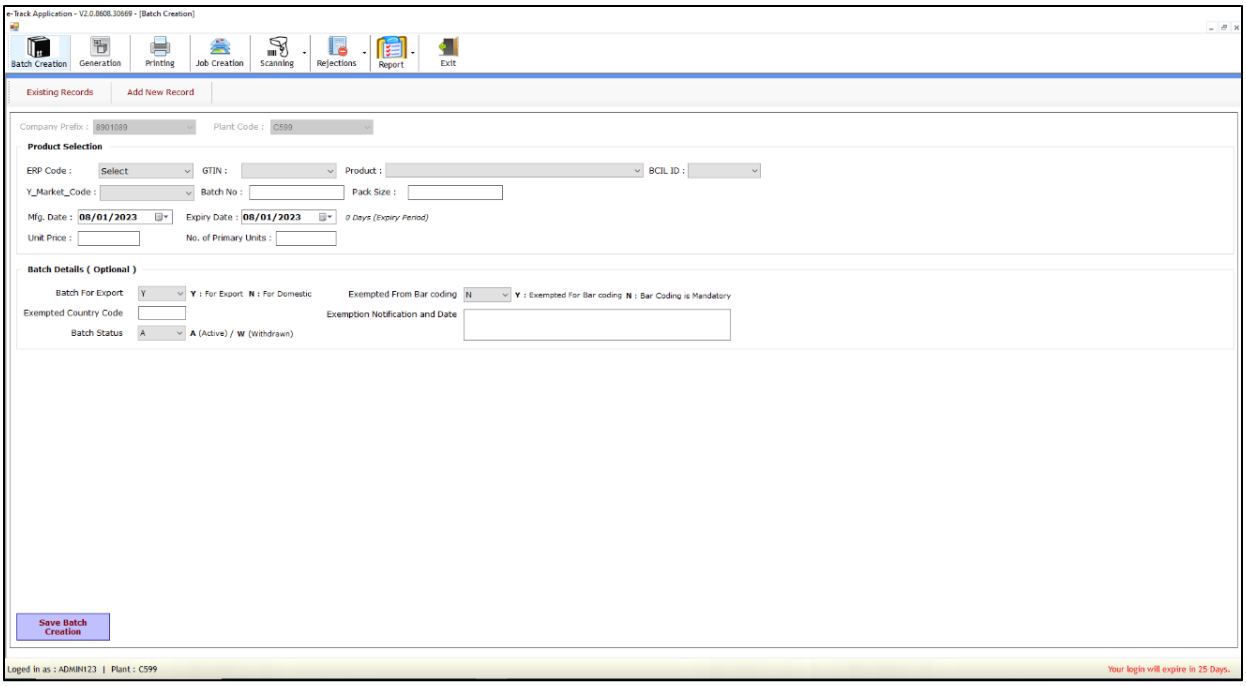
Sample Screen:

6 TRANSACTIONS

This application will Installed on Desktop Computer

6.1 BATCH CREATION

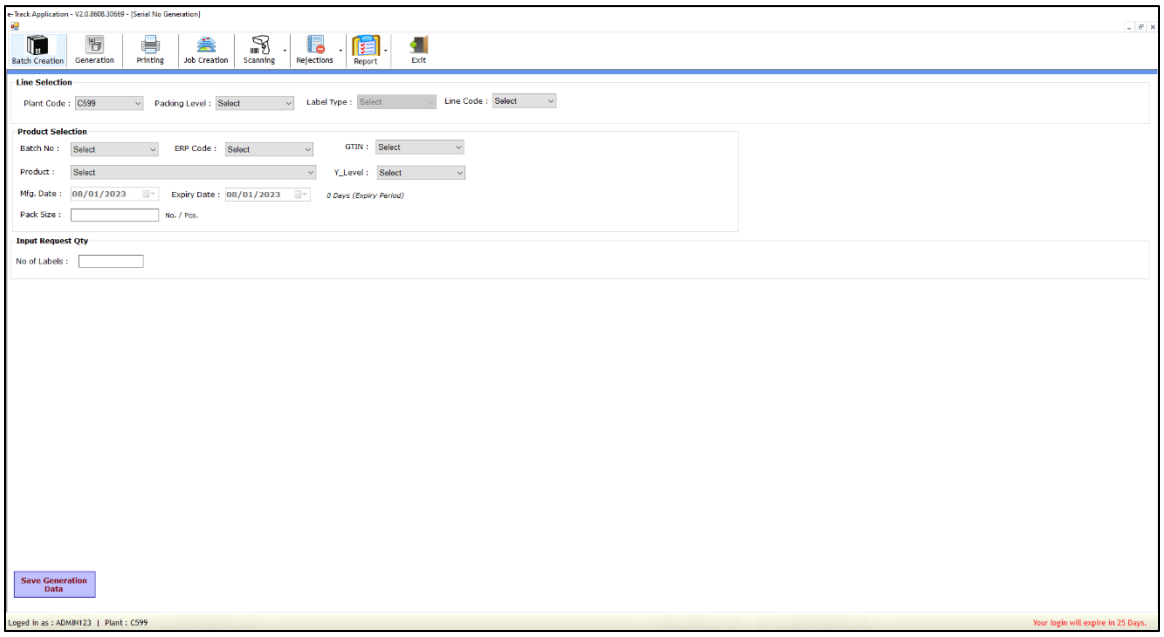
1. The Batch Creation module is used to create/close batch.
2. To access this module, the User must select on Generation > Batch Creation menu. The Batch Creation screen will be displayed.



3. To Create a New Batch, the User should click on Add New Record.
4. The Plant Code and Company Prefix will be auto-displayed.
5. The User should then select the ERP Code. The corresponding the GTIN, Product, BCIL ID and Pack Size will be displayed.
6. The User will then update the Batch No, Unit price, Number of Primary Units and other batch related details.
7. To save the batch, Click on Save Batch Creation button to save batch.
8. To close an existing batch, the User should select batch from list which they wish to close and click on Close selected Batch(s) button.

6.1.1 SERIAL NUMBER GENERATION

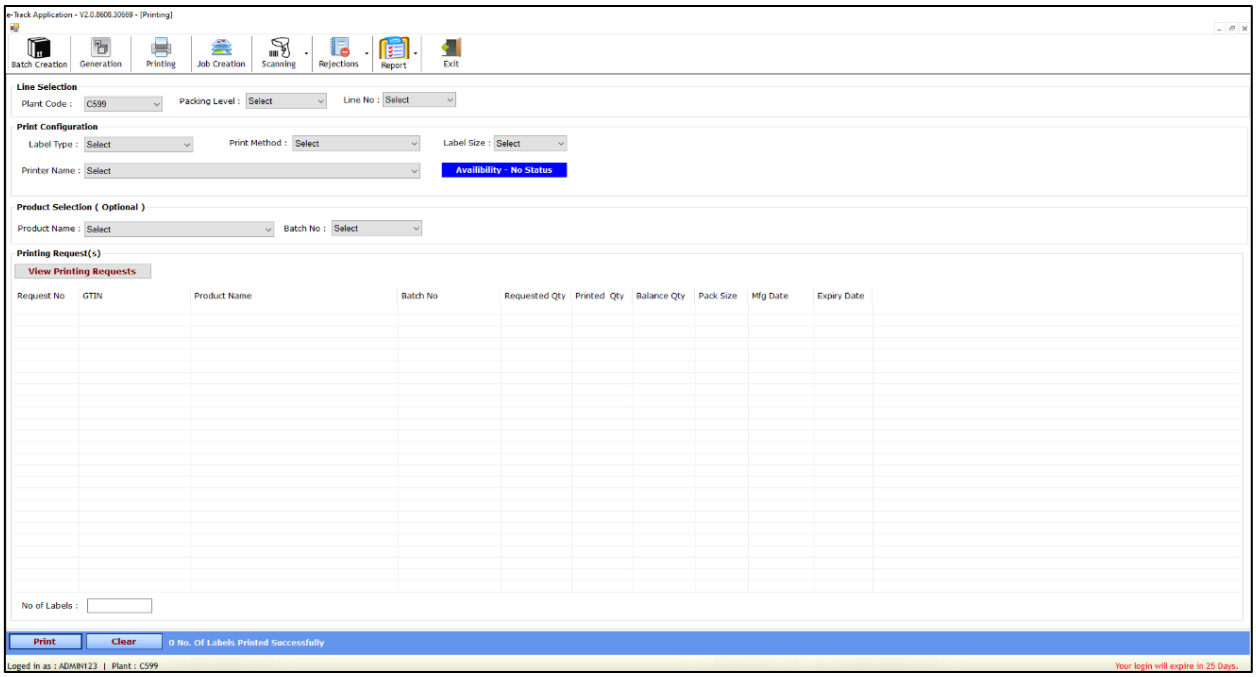
1. Serial No Generation module is used to generate request for a serial no printing.
2. To access this module, the User should select Generation > Serial No Generation menu. The Serial No Generation screen will be displayed.



3. To generate request for printing, the User should select Plant Code, Packing Level, Label Type and Line Code in Line Selection.
4. The User should select product, GTIN and product related batch, ERP Code, Y_Level from the list.
5. The User should enter the number of labels in Input Request qty and Pack Size.
6. To save the transaction, click on Save Generation Data Button.

6.1.2 LABEL PRINTING

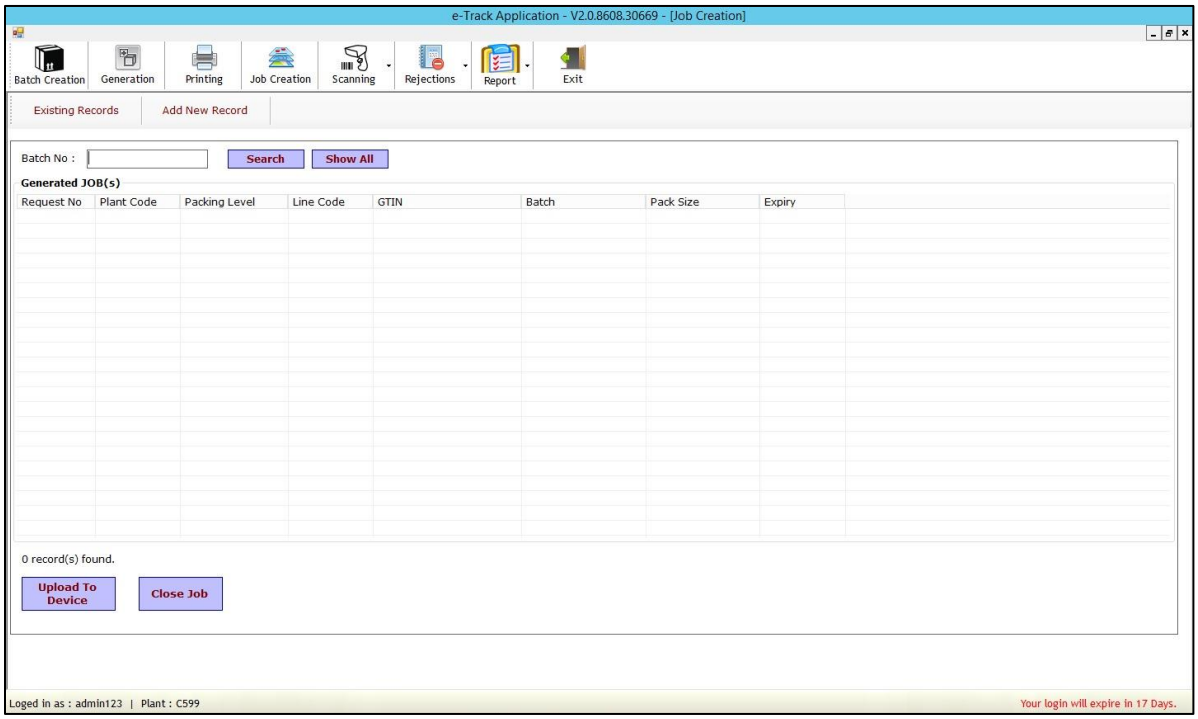
1. Serial Number printing module is used to print labels.
2. To access this module, The User should click on Printing menu. The Serial Number Printing screen is displayed.

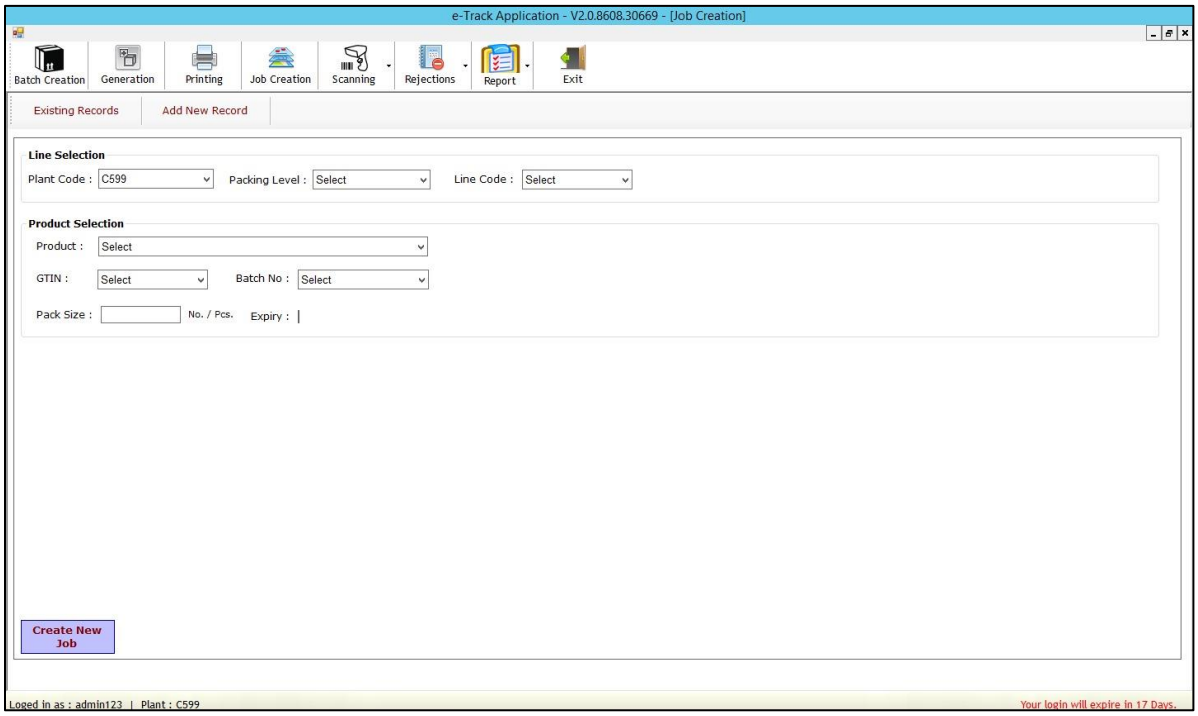


3. To Print Barcode Labels, the User should select Plant Code, Packing Level, and Line No in Line Selection.
4. After selecting Line, Label Type, Print Method and Label Size will get auto displayed for that line.
5. The User should then click on View Printing Requests Button. The generated request will be displayed for selected line.
6. The User should select any one record from list and enter No of labels qty (which they wish to print).
7. To print, click on print Button.

6.1.3 JOB CREATION

1. Mapping Job Creation module is used to Create Job against specific GTIN and batch for a packing process.
2. To access this module, User should click on Job Creation menu. The Job Creation screen will be displayed.





3. To create a new Job, click on Add New Record button.

4. Select Plant Code, Packing Level, Line Code in Line Selection.
5. The User should then select Product, GTIN and Batch No in Product Selection.
6. Enter Pack Size.
7. After selecting Values, the User should click on Create New Job Button and Job will be displayed.

To Upload to Device (For Offline Scanning)

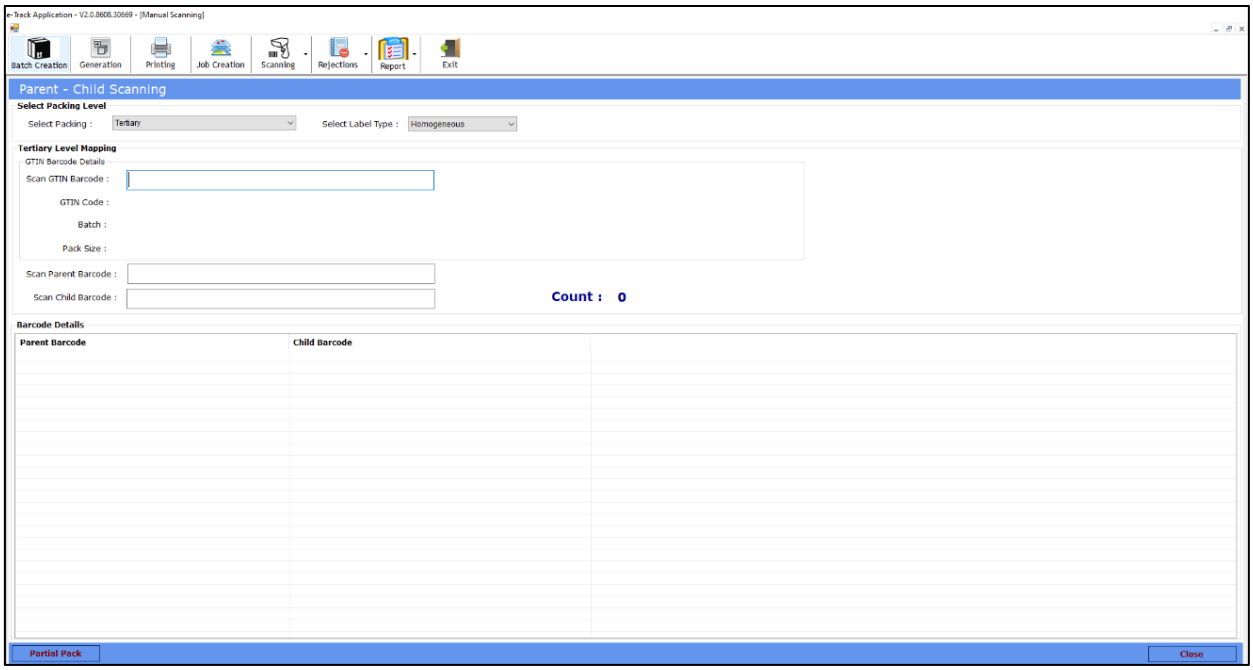
1. To perform the uploading process, the User should confirm if the device is connected.
2. The User should then select the Job from list which they wish to upload and click on Upload Button

To Close Existing Jobs

1. The User should select Job from list which they wish close and then click on **Close Job** Button

6.1.4 SCANNING

6.1.4.1 PARENT CHILD SCANNING (HOMOGENOUS)



1. Click on Mapping Scanning. The Mapping Scanning will be displayed.
2. If device is connected, then the User should select Packing level as a 'Tertiary ' and by default Homogeneous label type will get selected.
3. To scan Homogenous Tertiary level mapping, the User should check whether the Job is created for that GTIN and Batch
4. Then scan GTIN Barcode. If the job is created against that barcode then GTIN related details will be displayed. If not, create a new job against scan GTIN and batch.
5. After Scanning GTIN Barcode, the User should scan Parent Barcode Box.
6. After Scanning Parent Barcode Box, the User should scan (one by one) child barcode box of the same batch.
7. When Pack Size of scanned Tertiary will match with no of child barcode, then packing will get completed for that tertiary barcode.
8. Then the User can scan another tertiary barcode of same GTIN and batch and do the above process for a packing.

6.1.4.2 PARENT CHILD SCANNING (HETEROGENEOUS)

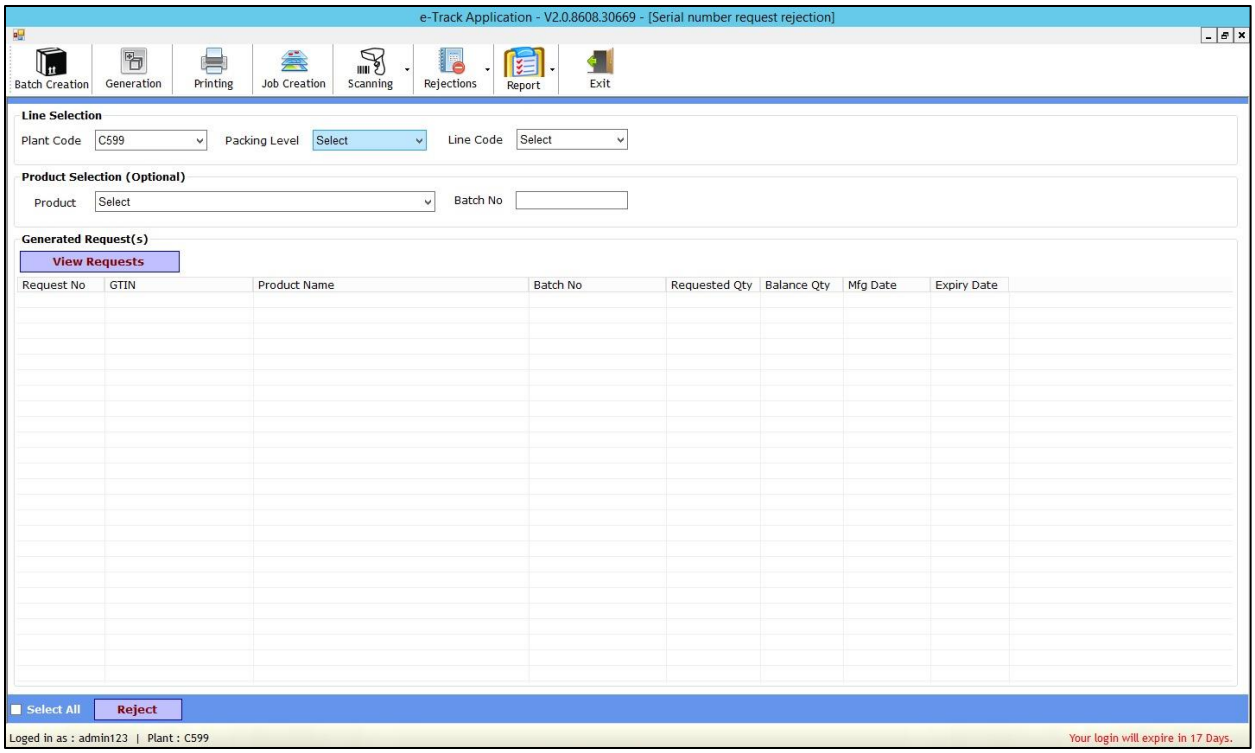
1. If device is connected, the User should select Packing level as a 'Tertiary' and select heterogeneous label type.
2. The User should scan Heterogeneous Parent Barcode Box.
3. After Scanning Parent Barcode Box, the User can scan (one by one) child barcode box of same/different batch.

4. The User can then repeat above process for another Heterogeneous packing.

6.1.5 REJECTION

6.1.5.1 GENERAL REQUEST REJECTION

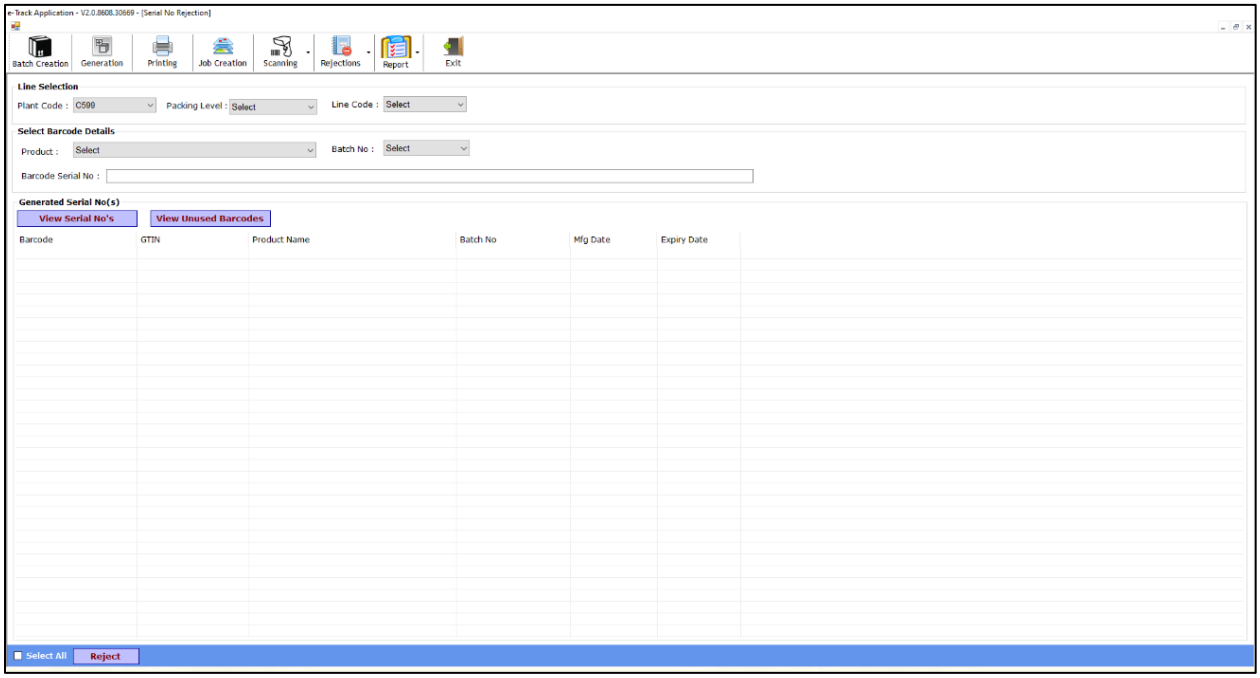
1. Generation Request Rejection module is used to Reject Serial No generation request.
2. To access this module, the User should click Rejection > Generation Request Rejection menu.



3. Select Plant Code, Packing Level, Line code from dropdown for Line Selection.
4. Select Product from dropdown for Product selection section.
5. Enter Batch No.
6. User can view requests in General Request section by clicking on View Requests. button.

6.1.5.2 SERIAL NO REJECTION

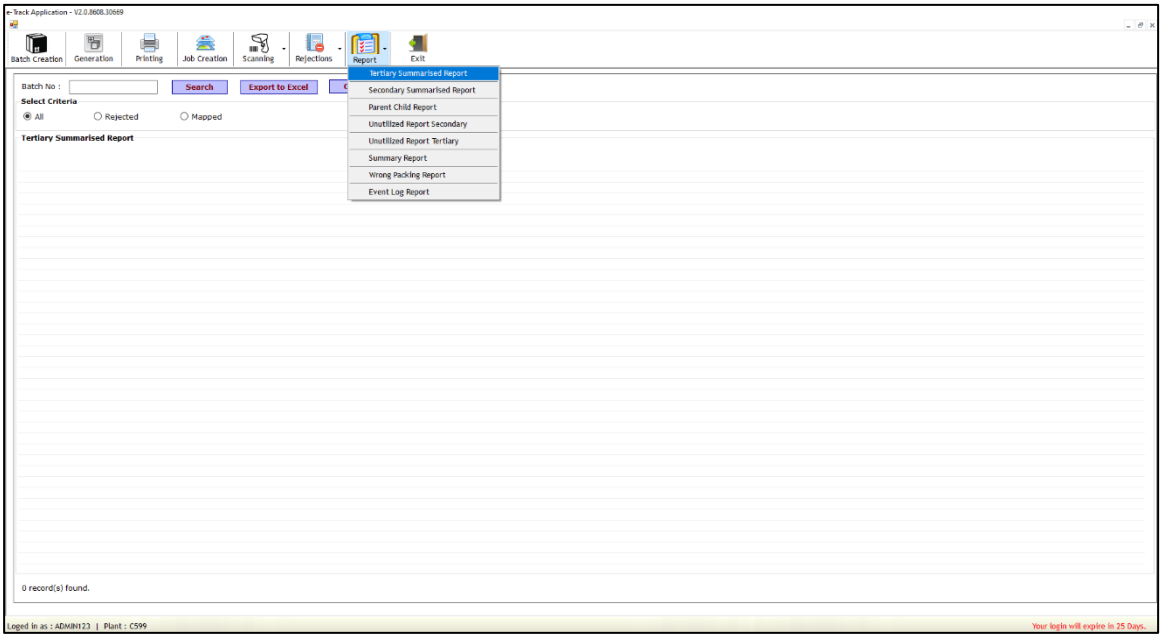
1. Serial Number Rejection module is used to reject printed barcodes.
2. To access this module, the User should click Rejection > Serial No Rejection.



3. For Serial No Rejection, the User should select Plant Code, Packing Level, and Line no in Line Selection.
4. The User should then select Product and Batch from Barcode Details.
5. After selecting Values, the User should click on View Serial No's/View Unused Barcodes Button and generated Barcodes will be displayed.
6. Then select Barcode from list and Click on Reject button.

7 REPORTS

- Tertiary Sumarised Report
- Secondary Summarised Report
- Unutilized Report Secondary
- Unutilized Report Tertiary
- Summary Report
- Wrong Packing Report
- Event Log Report



8 SRS Scope Change Process

8.1 Before Sign Off

Any changes in SRS need to be informed in writing by Makson Healthcare. It will be incorporated / confirmed only after doing detailed feasibility study by BCI.

- If any change is out of scope then this would be done as a CR post feasibility and priority will be decided based on mutual agreement.
- Once the change is developed , any further change in the same would be considered as a CR

8.2 After Sign Off

Any changes in proposed solution after approval of this document by Makson Healthcare are subjected to confirmation from BCI, taking feasibility constraints into account. These changes will be incorporated (if any) into the solution only after delivering proposed solution & may be charged as extra.

- Any change in the proposed solution due to customer system design or process will be considered as CR
- Any process which is not mentioned in this document will not be considered as “mutual understanding or default presence or standard practice”.

The changes in proposed solution before & after acceptance will be mutually agreed and duly signed and accepted by Makson Healthcare & BCI.

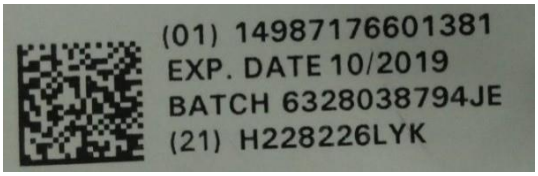
8.3 SRS Acceptance

Agreed and Accepted by Makson Healthcare and Bar Code India

For Makson Healthcare	**For Bar Code India (BCI)**
Name:	**Name:**
Designation:	**Designation:**
Department:	**Department:**

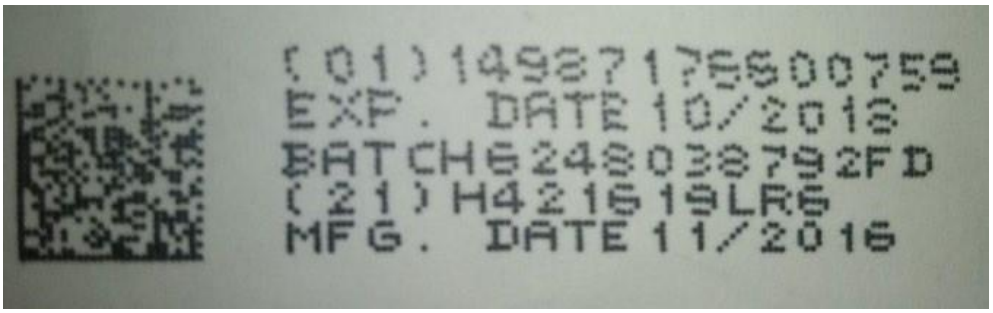
9 ANNEXURE

Line 1 – JAR LINE - PRINT & APPLY

	Example:  		
Lines	**Structure**	**Format**	**Rule**
Line 1	GTIN 14	(01) XXXXXXXXXXXXX	(01) = Indicates the data following AI (01) is GTIN-14. XXXXXXXXXXXXX = denotes GTIN-14 of the secondary pack. GTIN starts with digit 1.
Line 2	Expiry date Human readable form (HRF)	EXP. DATE MM/YYYY	EXP. DATE = Expiry date MM = 2 digit month of expirationYYYY = 4 digit year of expiration
	Part of QRcode only (will not be partof the HRF)	(17)YYMMDD	(17) = Indicates the data following AI (17) is the expirydate YY = Last two digit of the year of expirationMM = 2 digit month of expiration DD = 2 digit date of expiration (should be 00)
Line 3	Batch number HRF	BATCH YDDDPPPP$$XX	BATCH = Batch number Y = Last digit of manufacturing year DDD = Julian Day code of manufacturePPPP = Plant code $$ = Batch no. XX = SKU specific code (Refer to Section IV)
	Part of QRcode only (will not be partof the HRF)	(10)YDDDPPPP$$XX	(10) = Indicates the data following AI (10) is the batchno./ lot no. of the secondary package. Y = last digit of the manufacturing yearDDD = Julian Day code of manufacture PPPP = Plant code $$ = serial no. for the batch XX = SKU specific code (Refer to Section IV -Specific code per SKU for Jars)

Line 4	Serial Number	(21) aaaaaaaa	(21) = Indicates the data following AI (21) is the serial no. of secondary package. aaaaaaaa = Serial number of the secondary pack. The number can be alphanumeric with maximum 20 digit long. The number should not be repeated and must remain unique for all secondary packs.

Line 2 – FLAT LINE – INKJET CODING

	Example: 		
Line 1:	GTIN 14	Line 1: (01)XXXXXXXXXXXXXX	Line 1 : **(01)** = Indicates the data following AI (01) is GTIN-14.**XXXXXXXXXXXXXX** = denotes GTIN-14 of the secondary pack. GTIN startswith 1.
Line 2:	Expiry date Human readable form (HRF) Part of QR code only (will notbe part of the HRF)	EXP. DATE MM/YYYY (17)YYMMDD	**EXP. DATE** = denotesexpiry date **MM** = 2 digit month ofexpiration **YYYY** = 4 digit year ofexpiration, **(17)** = Indicates the data following AI(17) is the expirydate **YY** = Last two digit of theyear of expiration, **MM** = 2 digit month ofexpiration **DD** = 2 digit date of expiration (should be 00)
Line 3:	Batch numberHRF	BATCH YDDDPPPP$$XX	**BATCH** = Denotes batchnumber **Y** = last digit of the Year, **DDD** = Julian Day code ofManufacture **PPPP** = Plant code, **$$** = Batch no **XX** = SKU specific code (refer to table given at the end of PI-specific code persku for flats)

	Part of QR code only (will notbe part of the HRF)	(10)YDDDPPPP$$XX	**(10)** = Indicates the data following AI (10) is the batchno./ lot no. of the secondarypackage **Y** = last digit of the Year **DDD** = Julian Day code of Manufacture **PPPP** = Plant code **$$** = serial no. for the batch**XX** = SKU specific code (refer to table given at the end of PI- specific code persku for flats)
Line 4:	Serial Number	(21)aaaaaaaa	**(21)** = Indicates the data following AI (21) is the serialno. of secondary package **aaaaaaaa** = Serial number of the secondary pack. The number can be alpha numeric with maximum 20 digit long. The number should not be repeated and remain unique for all secondary packs
Line 5	Manufa cturing date Human readable form only(HRF)	MFG. DATE MM/YYYY	**MFG. DATE** = denotesmanufacturing date **MM** = 2 digit month of manufacturing **YYYY** = 4 digit year of manufacturing

Line 3 – INHALER-1 – INK JET CODING MACHINE

	Example:  		
Lines	**Structure**	**Format**	**Rule**
Line 1	GTIN 14	(01)XXXXXXXXXXXXXX	(01) = Indicates the data following AI (01) is GTIN-14. XXXXXXXXXXXXXX = denotes GTIN-14 of the secondary pack.GTIN starts with digit 1.
Line 2	Expiry date Human readable form(HRF)	EXP. DATE MM/YYYY	EXP.DATE= represents expiry date MM = 2 digit month of expirationYYYY = 4 digit year of expiration
	Part of QR code only (willnot be part of the HRF)	(17)YYMMDD	(17) = Indicates the data following AI (17) is the expiry dateYY = Last two digit of expiry year MM = 2 digit month of expiration DD = 2 digit date of expiration (should be 00)
Line 3	Batch number (HRF)	BATCH YDDDPPPP$$XX	BATCH = represents batch no. Y = last digit of manufacturing year DDD = Julian Day code of manufacturePPPP = Plant code $$ = serial no. for the batch. XX = SKU specific code (refer to Section IV - SpecificCode per SKU)
	Part of QR code only (willnot be part of the HRF)	(10)YDDDPPPP$$XX	(10) = Indicates the data following AI (10) is the batch no./lot no.of the secondary package. Y = last digit of manufacturing year DDD = Julian Day code of manufacturePPPP = Plant code $$ = serial no. for the batch XX = SKU specific code (refer to Section IV - SpecificCode per SKU)
Line 4	Serial Number	(21)aaaaaaaa	(21) = Indicates the data following AI (21) is the serial no. ofthe secondary package. aaaaaaaa= Serial number of the secondary pack. The number can be alphanumeric with maximum 20 digits. The number should not be repeated and must remain

			unique for all secondarypacks.

Line 4 – TUBE line – INK JET CODING MACHINE

	Example:  		
Lines	**Structure**	**Format**	**Rule**
Line 1	GTIN 14	(01)XXXXXXXXXXXXXX	(01) = Indicates the data following AI (01) is GTIN-14. XXXXXXXXXXXXXX = denotes GTIN-14 of the secondary pack.GTIN starts with digit 1.
Line 2	Human readable form (HRF) Part of QR code only (willnot be part of the HRF)	Exp. Date MM/YYYY (17)YYMMDD	Exp. Date= denotes expiry date MM = 2 digit month of expirationYYYY= Year of expiration (17)= Indicates the data following AI(17) isthe expiry date YY= Last two digit of the year of expirationMM = 2 digit month of expiration DD = 2 digit date of expiration
Line 3	Batch number (HRF) Part of QR code only (willnot be part of the HRF)	Batch BBYM1XX (10)BBYM1XX	Batch= Denotes batch number BB = Batch sequence number in the monthY = Last digit of the year of Manufacturing M= Month of bulk manufacturing (Follow site SOP for the code of month to be used. E.g Y= Jan , E= Feb)1 = Fixed digit XX= specific sku code (TA is fixed specificsku code for VVR 80g tube) (10)= Indicates the data following AI (10) isthe batch no./ lot no. of the secondary package BB = Batch sequence number in the monthY = Last digit of the year of Manufacturing M= Month of bulk manufacturing (Follow site SOP for the code of month

			to be used. E.g Y= Jan , E= Feb)1 = Fixed digit XX= specific sku code (TA is fixed specificsku code for VVR 80g tube)
Line 4	Serial Number	(21)aaaaaaaa	(21)= Indicates the data following AI (21) is the serial no. of secondary package aaaaaaaa= Serial number of the secondary pack. The number can be alpha numeric with maximum 20 digit long. The number should not be repeated and remain unique for all secondary packs

Line 5 – INHALER-2 – INK JET CODING MACHINE

	Example:  		
Lines	**Structure**	**Format**	**Rule**
Line 1	GTIN 14	(01)XXXXXXXXXXXXXX	(01) = Indicates the data following AI (01) is GTIN-14. XXXXXXXXXXXXXX = denotes GTIN-14 of the secondary pack.GTIN starts with digit 1.
Line 2	Expiry date Human readable form(HRF) Part of QR code only (willnot be part of the HRF)	EXP. DATE MM/YYYY (17)YYMMDD	EXP.DATE= represents expiry date MM = 2 digit month of expirationYYYY = 4 digit year of expiration (17) = Indicates the data following AI (17) is the expiry dateYY = Last two digit of expiry year MM = 2 digit month of expiration DD = 2 digit date of expiration (should be 00)
Line 3	Batch number (HRF)	BATCH YDDDPPPP$$XX	BATCH = represents batch no. Y = last digit of manufacturing year DDD = Julian Day code of manufacturePPPP = Plant code $$ = serial no. for the batch. XX = SKU specific code (refer to Section IV - SpecificCode per SKU)

	Part of QR code only (willnot be part of the HRF)	(10)YDDDPPPP$$XX	(10) = Indicates the data following AI (10) is the batch no./lot no.of the secondary package. Y = last digit of manufacturing year DDD = Julian Day code of manufacturePPPP = Plant code $$ = serial no. for the batch XX = SKU specific code (refer to Section IV - SpecificCode per SKU)
Line 4	Serial Number	(21)aaaaaaaa	(21) = Indicates the data following AI (21) is the serial no. ofthe secondary package. aaaaaaaa= Serial number of the secondary pack. The number can be alphanumeric with maximum 20 digits. The number should not be repeated and must remain unique for all secondarypacks.