

Operating Manual

NATIONGATE SOLUTION (M) SDN BHD

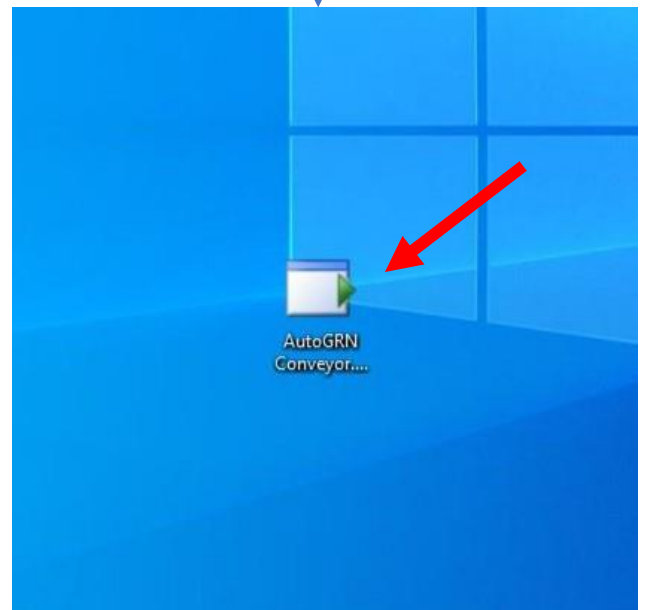
AutoGRN Program

Contents

Start Program	3
AutoGRN Process	4
Register New Vendor	8
Edit Existing Vendor	11
Error Cases	13
Error When Unable to Get Code.....	13
Error When GRN Barcode Not Verified.....	14

Start Program

1. On all the power.
2. Turn on the CPU.
3. After Desktop is loaded, double Click "AutoGRN Conveyor".
4. The program is opened.



AutoGRN Process

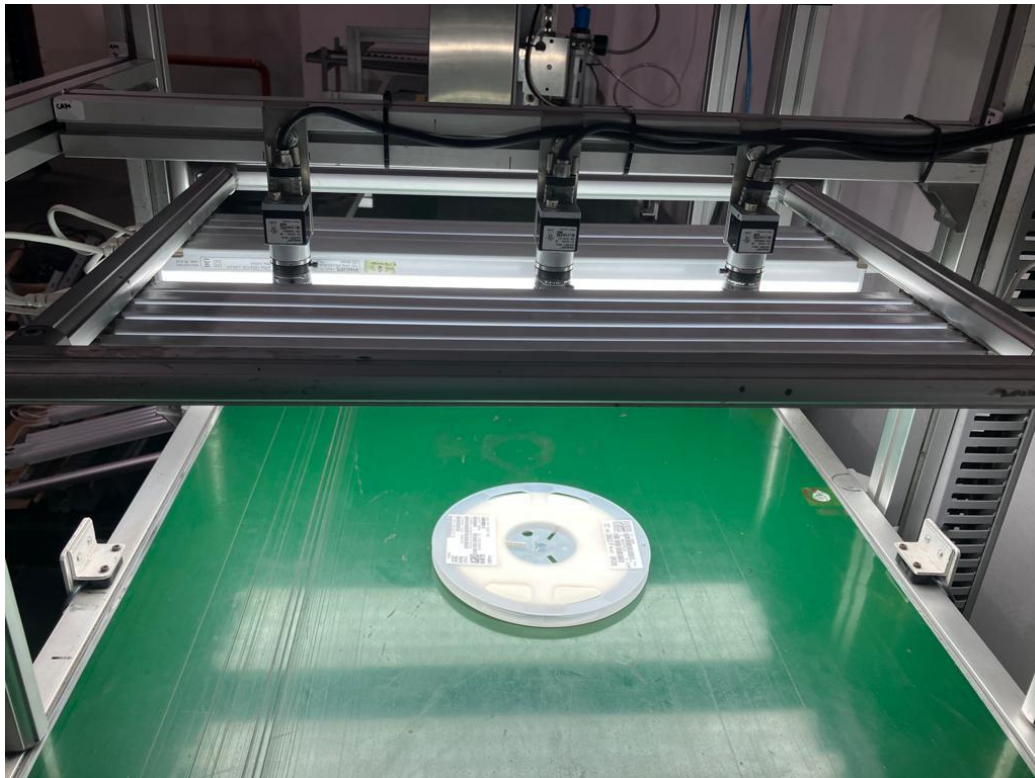
1. Make Sure CMESDLL is connected. Press “Connect” button and try to connect if it is not connected.
2. Choose the vendor that was registered.
3. Press “Start” Button.



4. Place the reel on conveyor belt according to the markings.



5. Camera will capture and decode reel information when the reel passes through.



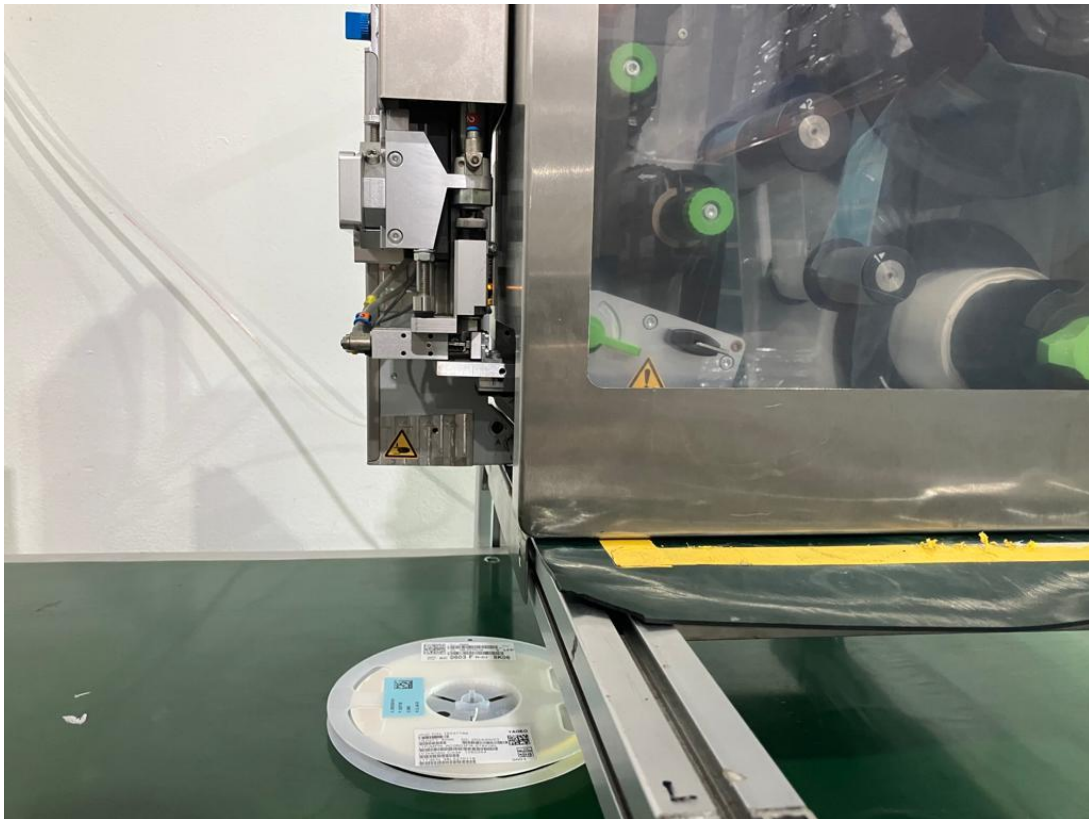
6. The decoded reel information is displayed on the program.
7. Reel information is sent to the ERP system, and ERP return is displayed.
8. A print job that consists of ERP return information is sent to printer, with the sending status displayed.

Auto GRN

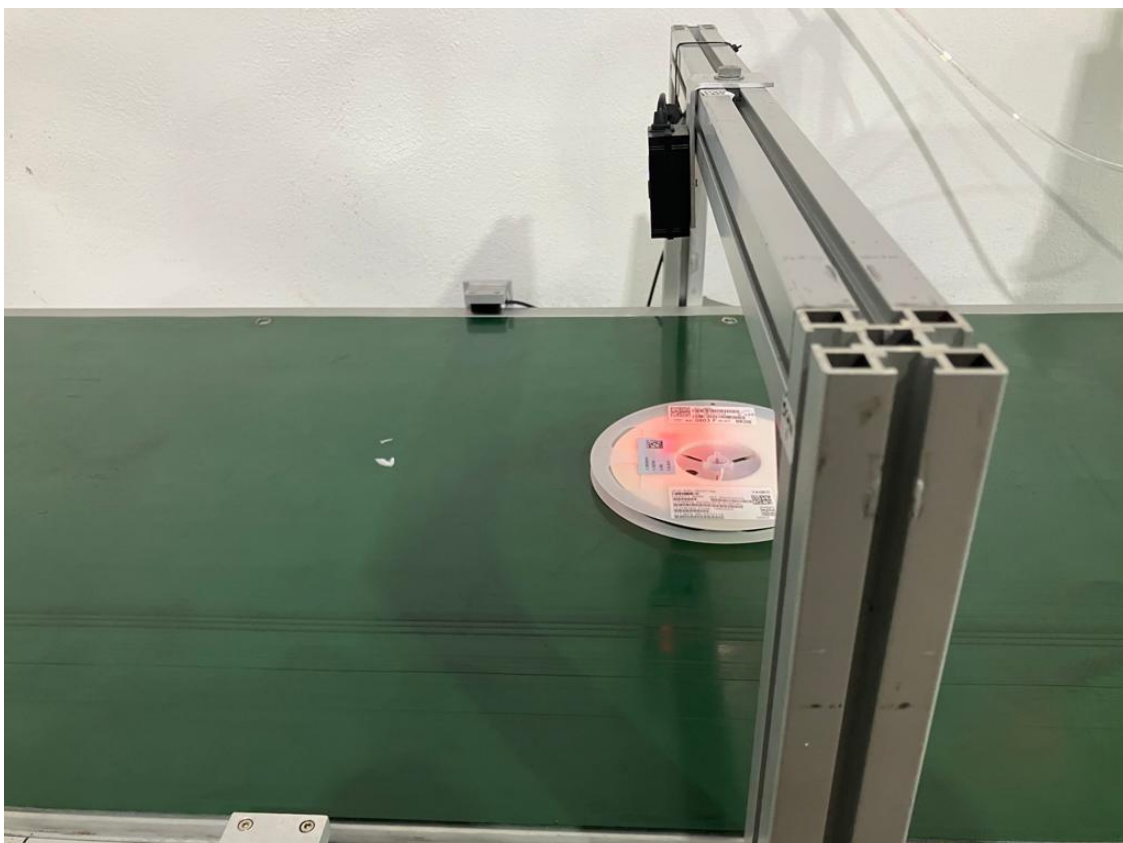


[11:41 AM] Sent Print Job: 230523001930,16237789,5000,DL-B4-33
[11:41 AM] ERP Return:230523001930,16237789,5000,DL-B4-33
[11:41 AM] VC:1082254 PN:16237789, Qty:5000, MPN:AC0603FR-078K06L, DateCode: 20230503, PO No.: , Lot No: .

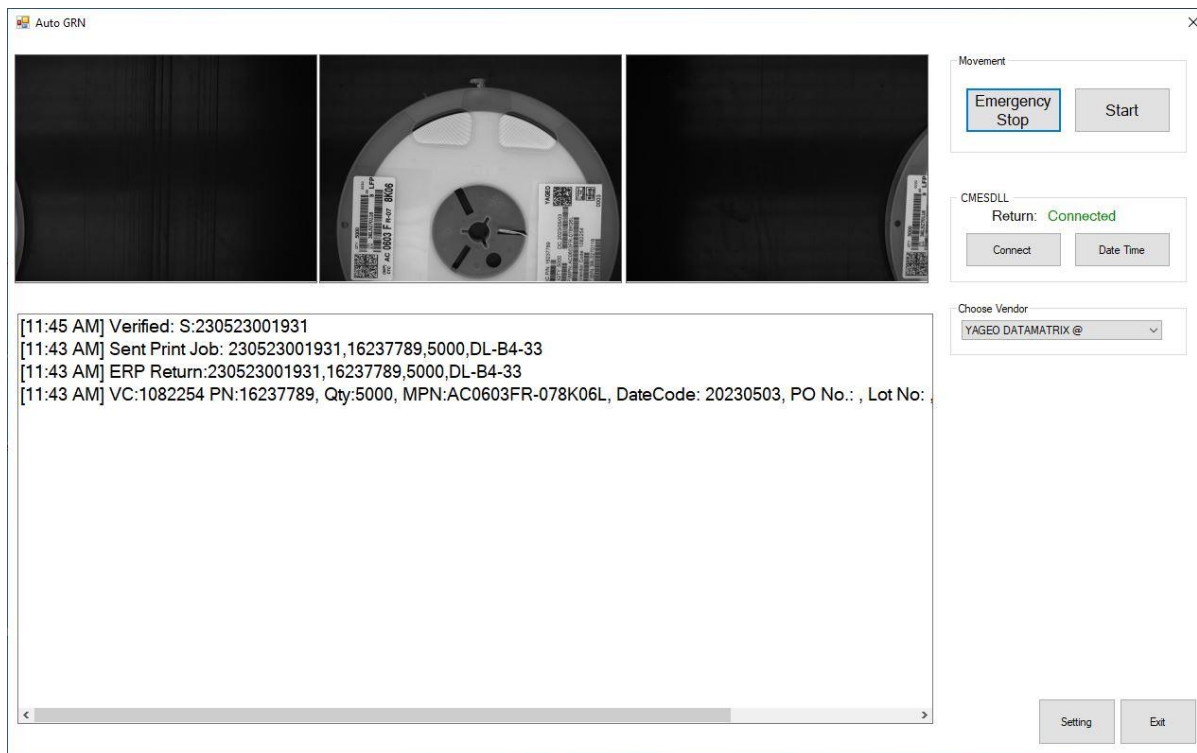
9. When reel arrives printer, printer will stamp the sticker with information containing ERP Return value.



10. Barcode Scanner at the end on conveyor will verify the data matrix on the stamped sticker.



11. Program will display the verified data matrix on screen.



Register New Vendor

1. Click "Settings" on the home page.



2. In setting page, click "Register".

Required Field

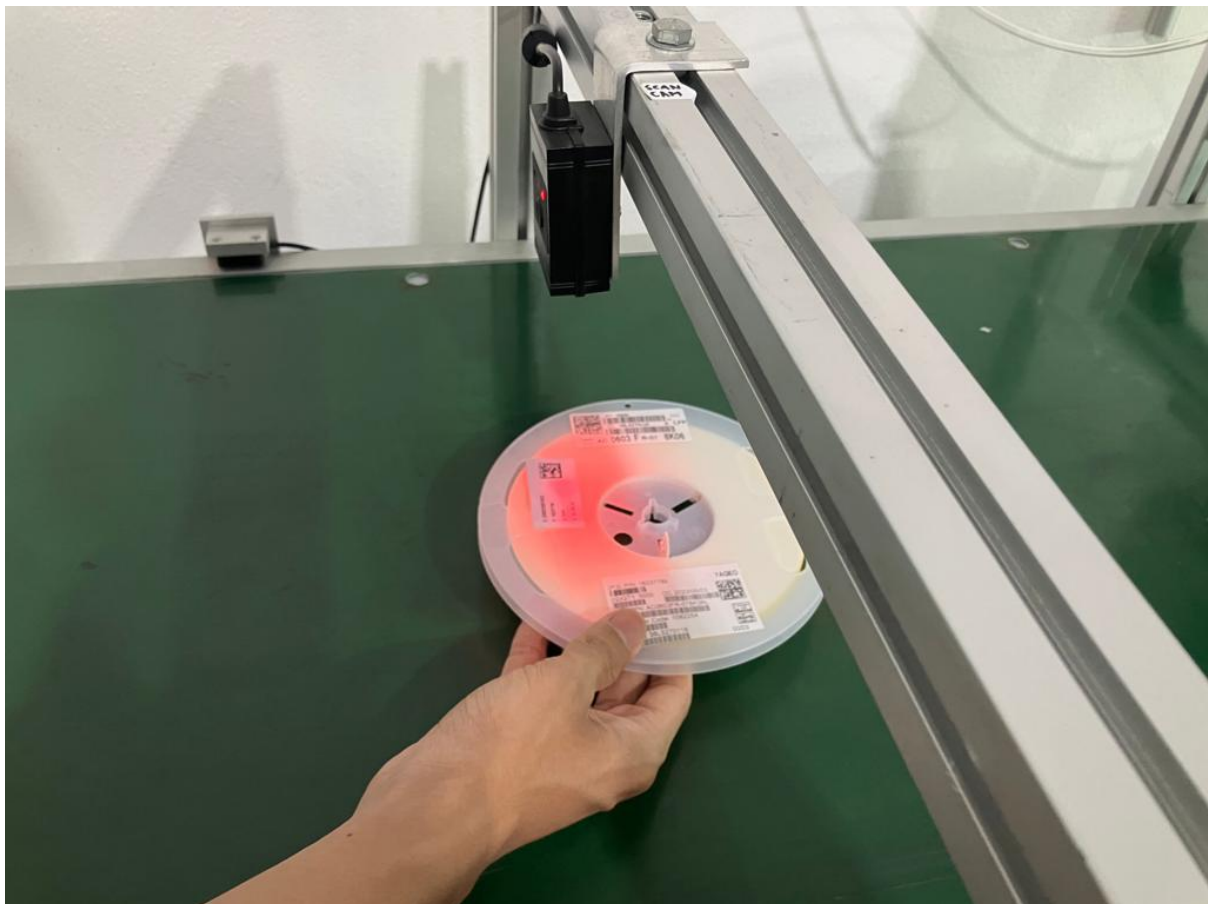
Vendor Name:

3. The Registration Form is shown:

The screenshot shows a software window titled "Form" with standard window controls (minimize, maximize, close). The interface is divided into several sections:

- Top Left:** Fields for "Vendor Name", "Splitter", "Capture Time (ms)", "Print Time (ms)", and a "Code Type" dropdown menu.
- Top Center:** A large rectangular area labeled "Please Scan QR/Datamatrix:".
- Top Right:** A section titled "Manual Entry" containing fields for "Vendor Code", "Date Code", "Lot Code", "PO No", "Packing No", and "Expire Date".
- Bottom Left:** A section titled "Vendor Details" containing a table with columns "Position", "Starting", and "Ending". The rows correspond to "Part No", "Quantity", "Manufacturer", "Vendor Code", "DateCode", "Lot Code", "PO No", "Packing No", and "Expire Date". Each row has a dropdown menu for the "Position" column and input fields for the "Starting" and "Ending" columns.
- Bottom Right:** Two buttons labeled "Save" and "Cancel".

4. Scan the reel's Datamatrix or QR using the barcode scanner.



5. Vendor Name – Fill in suitable vendor name. Vendor name cannot be duplicate.
6. Splitter – Splitter is auto detected after scanning QR/Datamatrix. **Do not** modify the field, if info is shown on the right successfully.
7. Capture Time – The delay time for camera to capture image.
8. Print Time – The delay time for printer to stamp sticker.
9. Code Type – Choose between Datamatrix and QR according to need.
10. Vendor Details
 - a. Fill in “Position”, “Starting” and “Ending” accordingly, with the visualized information at the right box.
 - b. If the information does not exist, choose N/A, and fill in the information in “Manual Entry”.
 - c. Part Number, Quantity, Manufacturer and Vendor Code are mandatory fields.
11. Click “Save”.

Form

Vendor Name :

Splitter :

Capture Time (ms) :

Print Time (ms) :

Code Type :

Vendor Details

	Position	Starting	Ending
Part No :	<input type="text" value="2"/>	<input type="text" value="2"/>	<input type="text"/>
Quantity :	<input type="text" value="4"/>	<input type="text" value="2"/>	<input type="text"/>
Manufacturer :	<input type="text" value="6"/>	<input type="text" value="3"/>	<input type="text"/>
Vendor Code :	<input type="text" value="N/A"/>	<input type="text"/>	<input type="text"/>
DateCode :	<input type="text" value="N/A"/>	<input type="text"/>	<input type="text"/>
Lot Code :	<input type="text" value="5"/>	<input type="text" value="3"/>	<input type="text"/>
PO No :	<input type="text" value="N/A"/>	<input type="text"/>	<input type="text"/>
Packing No :	<input type="text" value="N/A"/>	<input type="text"/>	<input type="text"/>
Expire Date :	<input type="text" value="8"/>	<input type="text" value="4"/>	<input type="text"/>

Please Scan QR/Datamatrix:

1: []>06
2: P28024551
3: 19SGVY7WN+D971305001
4: Q4000
5: 1TWFPc140478
6: 1P934663686135
7: 2P
8: 14D20250310
9: 2E1
10: Epbfree
11: 3Z

Manual Entry

Vendor Code :

Date Code :

Lot Code :

PO No :

Packing No :

Expire Date :

Save

Cancel

Edit Existing Vendor

1. Click “Settings” on the home page.



2. In setting page, choose vendor and click “Edit”.

Required Field

Vendor Name:

A red arrow points to the dropdown arrow of the Vendor Name field.

3. The Edit Form is shown. Change the information according to needs. Click “Save”.
 - a. Vendor Name – Fill in suitable vendor name. Vendor name cannot be duplicate.
 - b. Splitter – Splitter is auto detected after scanning QR/Datamatrix. **Do not** modify the field, if info is shown on the right successfully.
 - c. Capture Time – The delay time for camera to capture image.
 - d. Print Time – The delay time for printer to stamp sticker.
 - e. Code Type – Choose between Datamatrix and QR according to need.
 - f. Vendor Details
 - i. Fill in “Position”, “Starting” and “Ending” accordingly, with the visualized information at the right box.
 - ii. If the information does not exist, choose N/A, and fill in the information in “Manual Entry”.
 - iii. Part Number, Quantity, Manufacturer and Vendor Code are mandatory fields.

Form

Vendor Name :

Splitter :

Capture Time (ms) :

Print Time (ms) :

Code Type:

Vendor Details

	Position	Starting	Ending
Part No :	<input type="text" value="2"/>	<input type="text" value="2"/>	<input type="text"/>
Quantity :	<input type="text" value="4"/>	<input type="text" value="2"/>	<input type="text"/>
Manufacturer :	<input type="text" value="6"/>	<input type="text" value="3"/>	<input type="text"/>
Vendor Code:	<input type="text" value="N/A"/>	<input type="text"/>	<input type="text"/>
DateCode :	<input type="text" value="N/A"/>	<input type="text"/>	<input type="text"/>
Lot Code :	<input type="text" value="5"/>	<input type="text" value="3"/>	<input type="text"/>
PO No :	<input type="text" value="N/A"/>	<input type="text"/>	<input type="text"/>
Packing No:	<input type="text" value="N/A"/>	<input type="text"/>	<input type="text"/>
Expire Date:	<input type="text" value="8"/>	<input type="text" value="4"/>	<input type="text"/>

Please Scan QR/Datamatrix:

1: >06
2: P28024551
3: 19SGVY7WN+D971305001
4: Q4000
5: 1TWFP140478
6: 1P934663686135
7: 2P
8: 14D20250310
9: 2E1
10: Epbfree
11: 3Z

Manual Entry

Vendor Code :

Date Code :

Lot Code :

PO No :

Packing No :

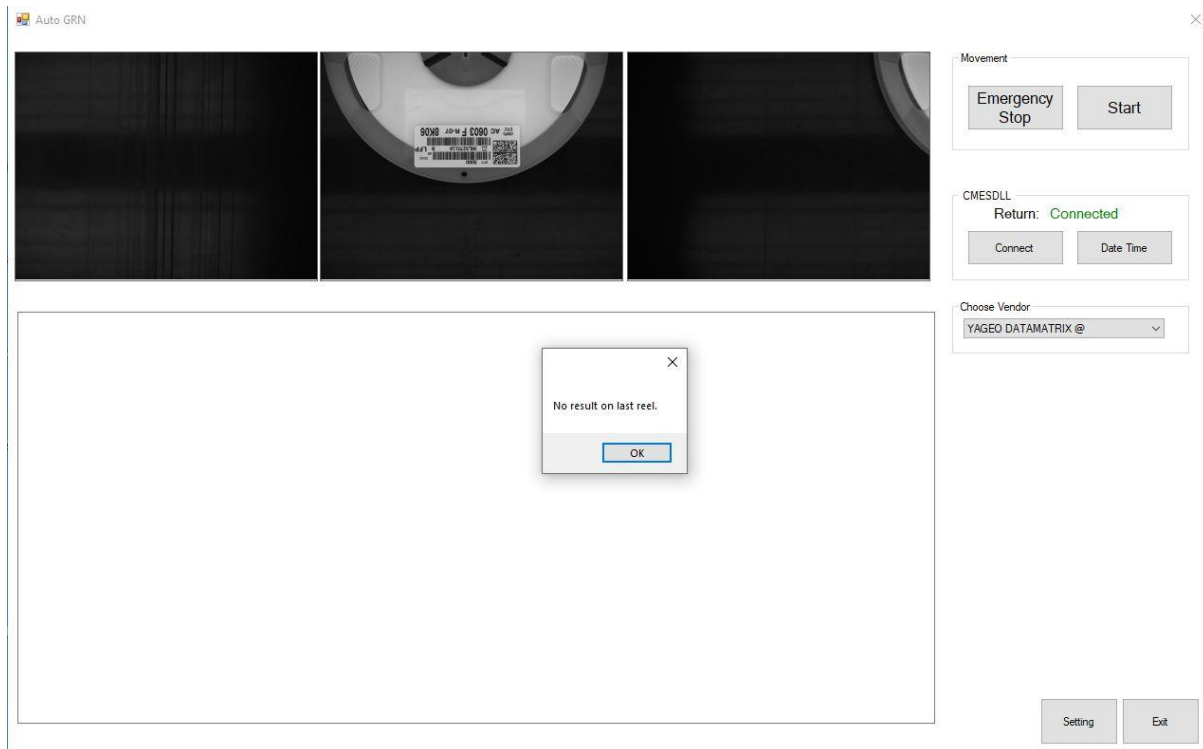
Expire Date :

Save

Cancel

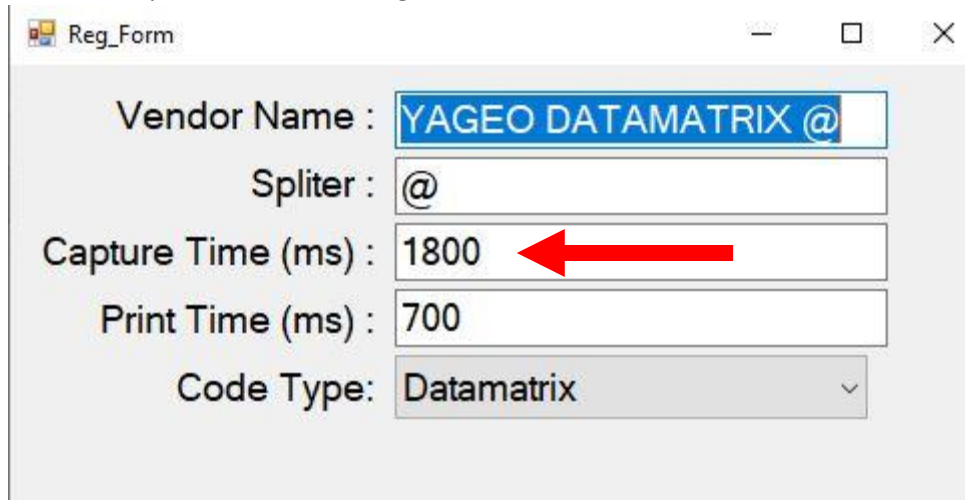
Error Cases

Error When Unable to Get Code



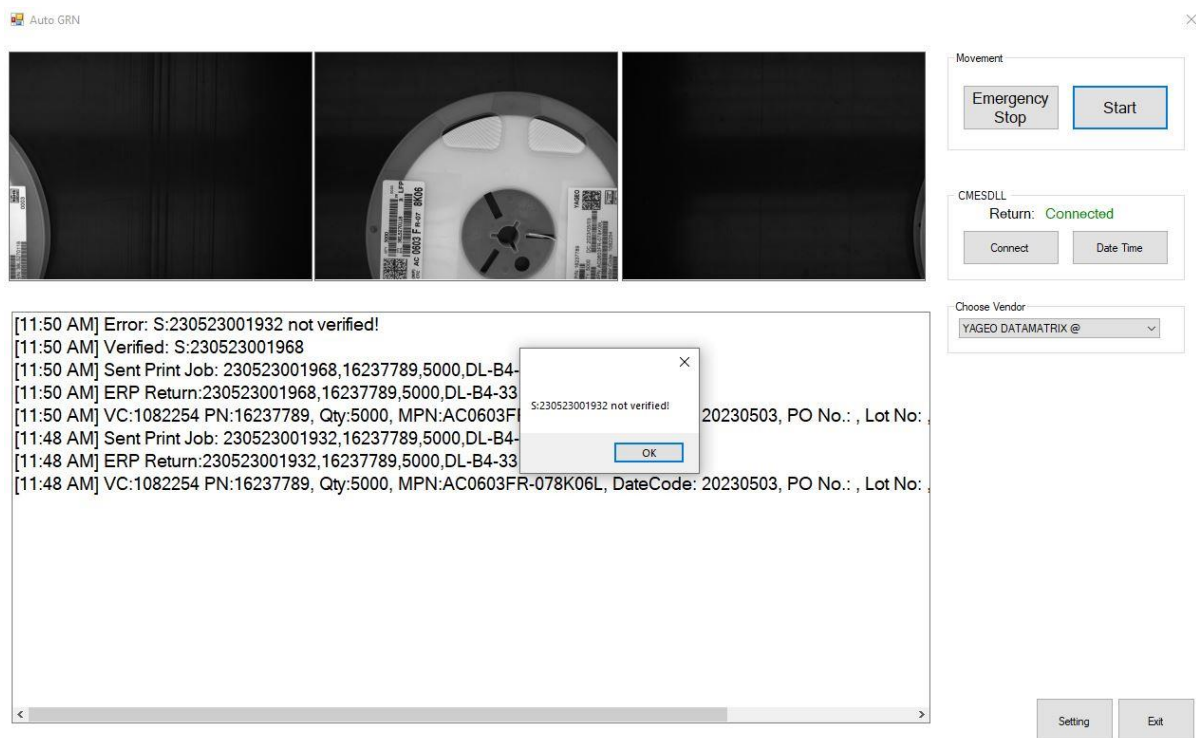
This is due to the target barcode is not in the capturing range.

1. Click "OK".
2. Adjust the orientation of the reel.
3. Edit the "Capture Time" in Settings.



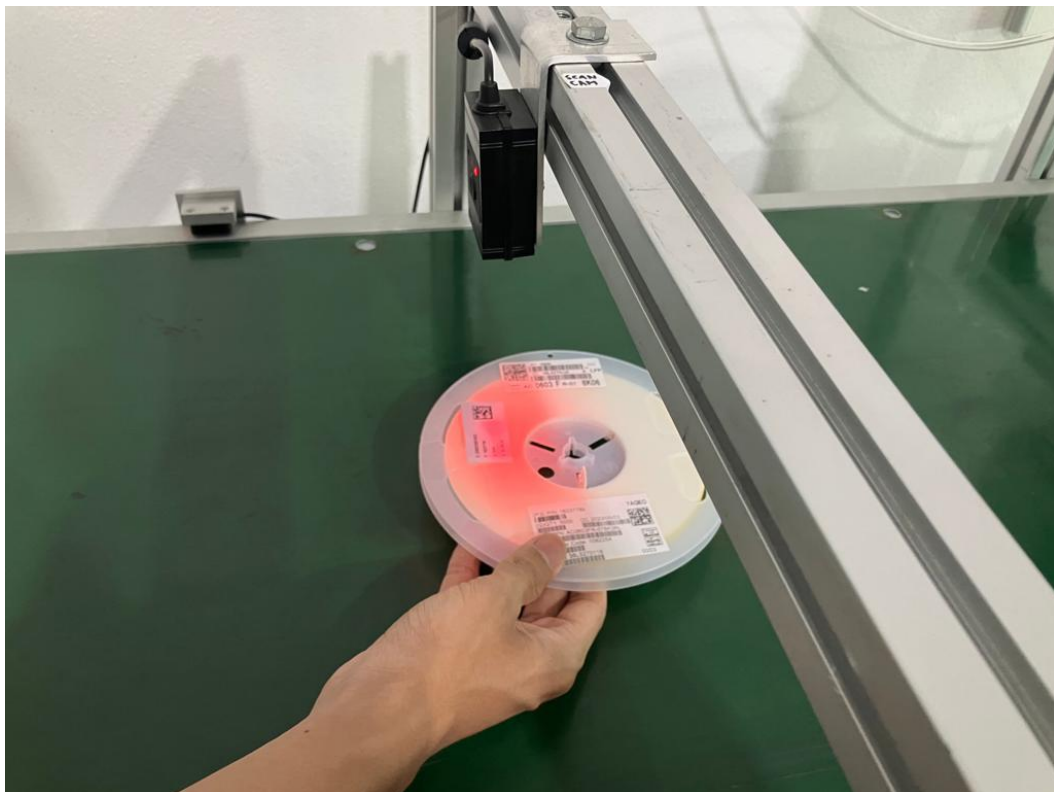
4. Place the reel back at the start of conveyor.
5. Click "Start" at homepage to continue.

Error When GRN Barcode Not Verified

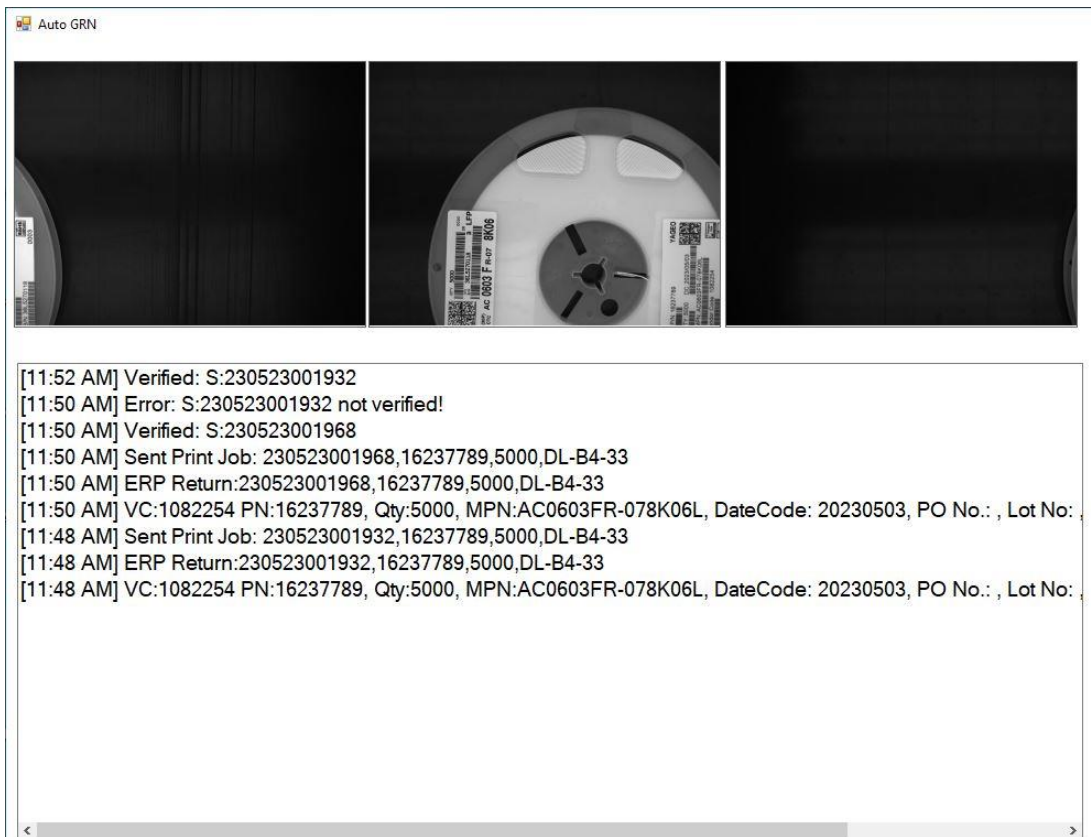


This is due to previous Barcode is not scanned.

1. Click "OK".
2. Take the previous reel and scan its GRN barcode.



3. Display will show that the GRN barcode is verified.



4. Click “Start” at homepage to continue AutoGRN.