Mes Mobile Application

User Guide

Introduction

The MES Scan app:

> ➢ **Purpose:**

- Utilities to connect MES system and IoT infrastructure

- Visualize production line dashboard (achieved, inprocess, pending).

- Mapping Machines and processes (by QR Code Scanning)

- Support mannualy report output.

- Report Endline QC –Defect Report.

> ➢ **Requirement and installation:**

- Install on android os (smartphone or table)

- Smartphone or tablet must connect to same network with IoT devices for operating without internet.

- IoT device and sewing machine must have connected via QRCode (by Smart Factory team) and DGS system need to have this updated.

- IoT must have established network and MQTT broker.

> ➢ **Features:**

- Login

- Filter and View MES Package

- View process detail of MES Package (Group by OPGroup / Modules)

- Set type of process detail (Normal, Sub Assembly, Final Assembly, Defect…)

- Scan QRcode on sewing machine to mapping sewing machine (include IoT) and process detail

- View IoT data realtime on process detail

- Calculate achieved, pending, defect of packages, display statistics on dashboard.

Installation

For Android Devices: (Mes Scan)

Download link:

mespk2.pungkookvn.com:8088/apk/messcan.apk

on browse. Install the application

Logging In

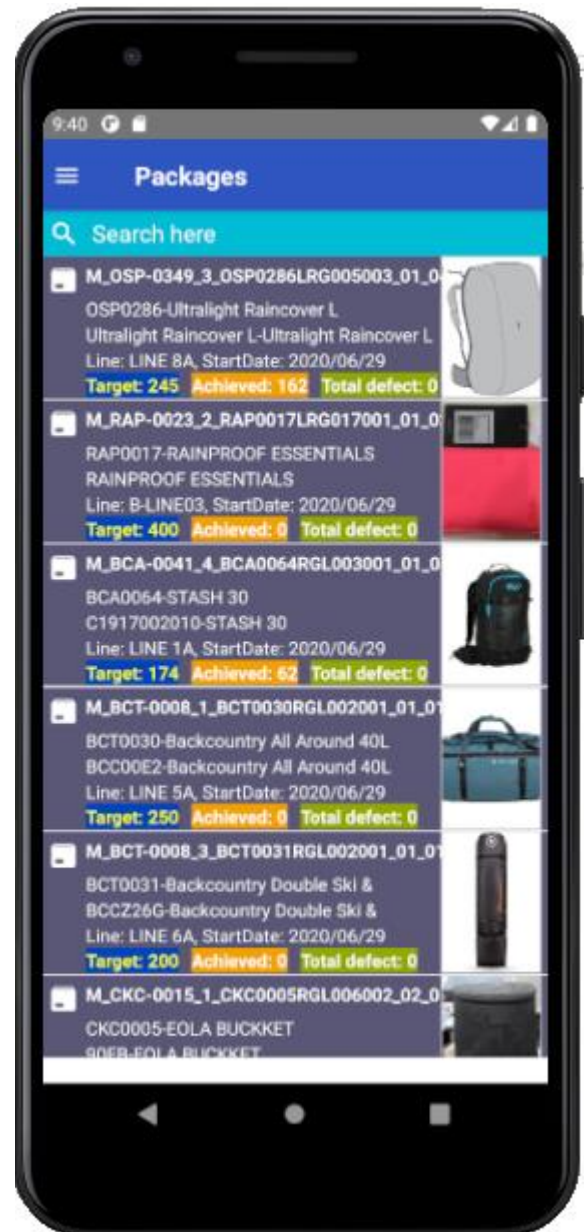If you have already signed up your ID on MES data, you should be choose and input:

- Choose the factory
- User ID
- Password
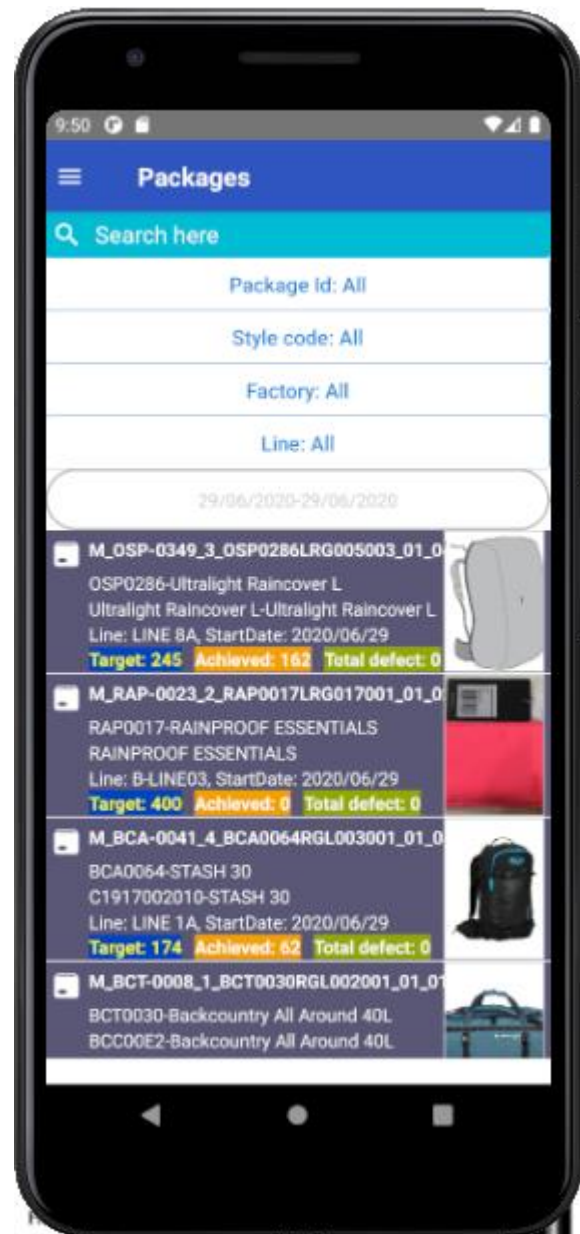
And press " LOGIN" button to access.

Packages

After when you press the " Login" button.
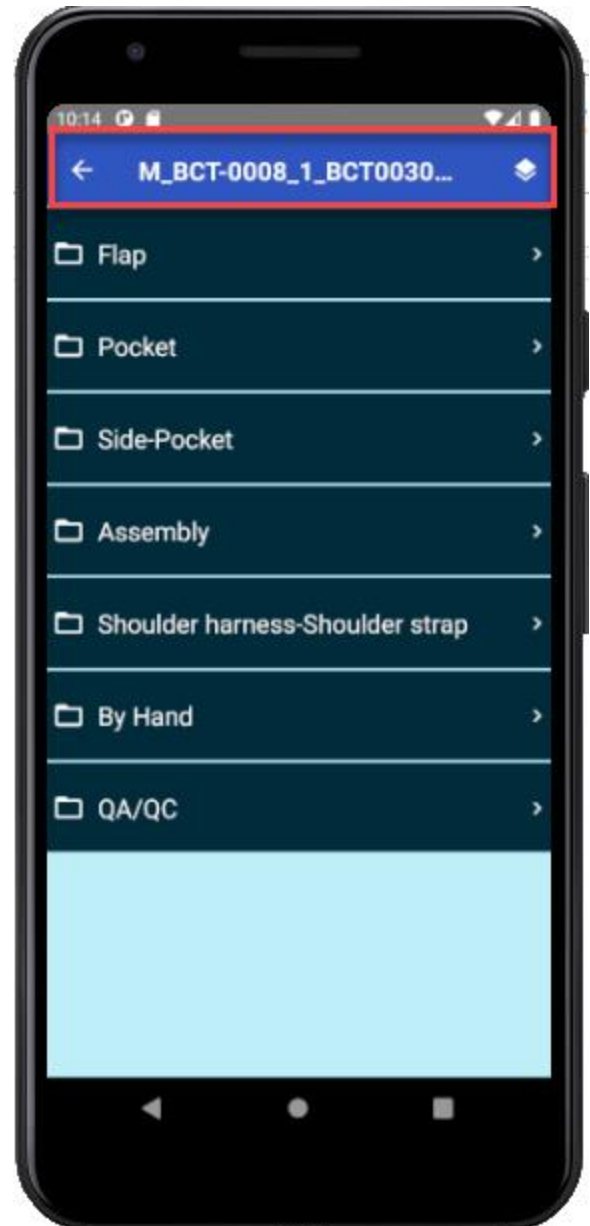
You can see all Packages on your device.

Packages

Search here:

Also, from the "Packages" screen, you

can choose Package ID, Style Code,

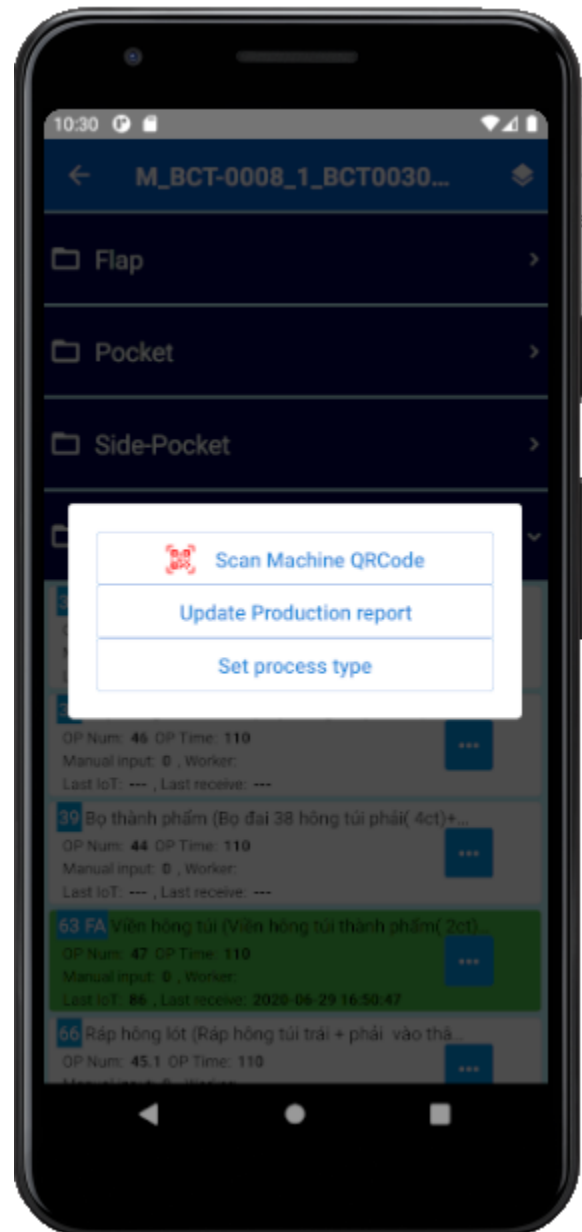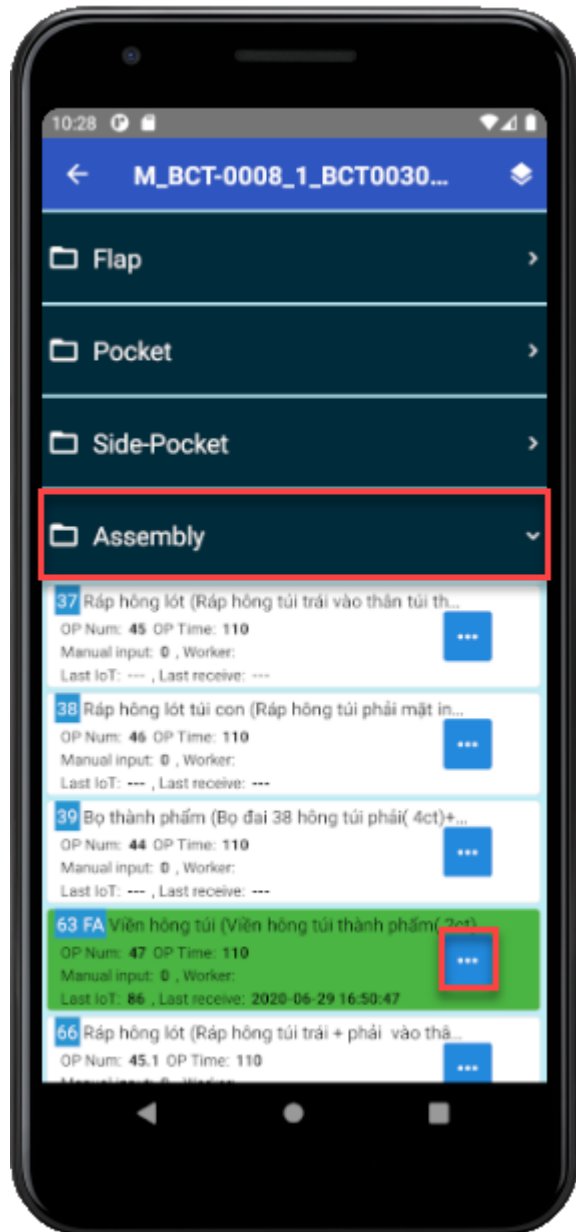Factory, Line, Date which you want

to seach to Scan.

Packages:

Select one Package to procees Scan.

You can choose any stages to scan machine QRCode and set type of process (Normal, Sub Assembly, Final Assemply).
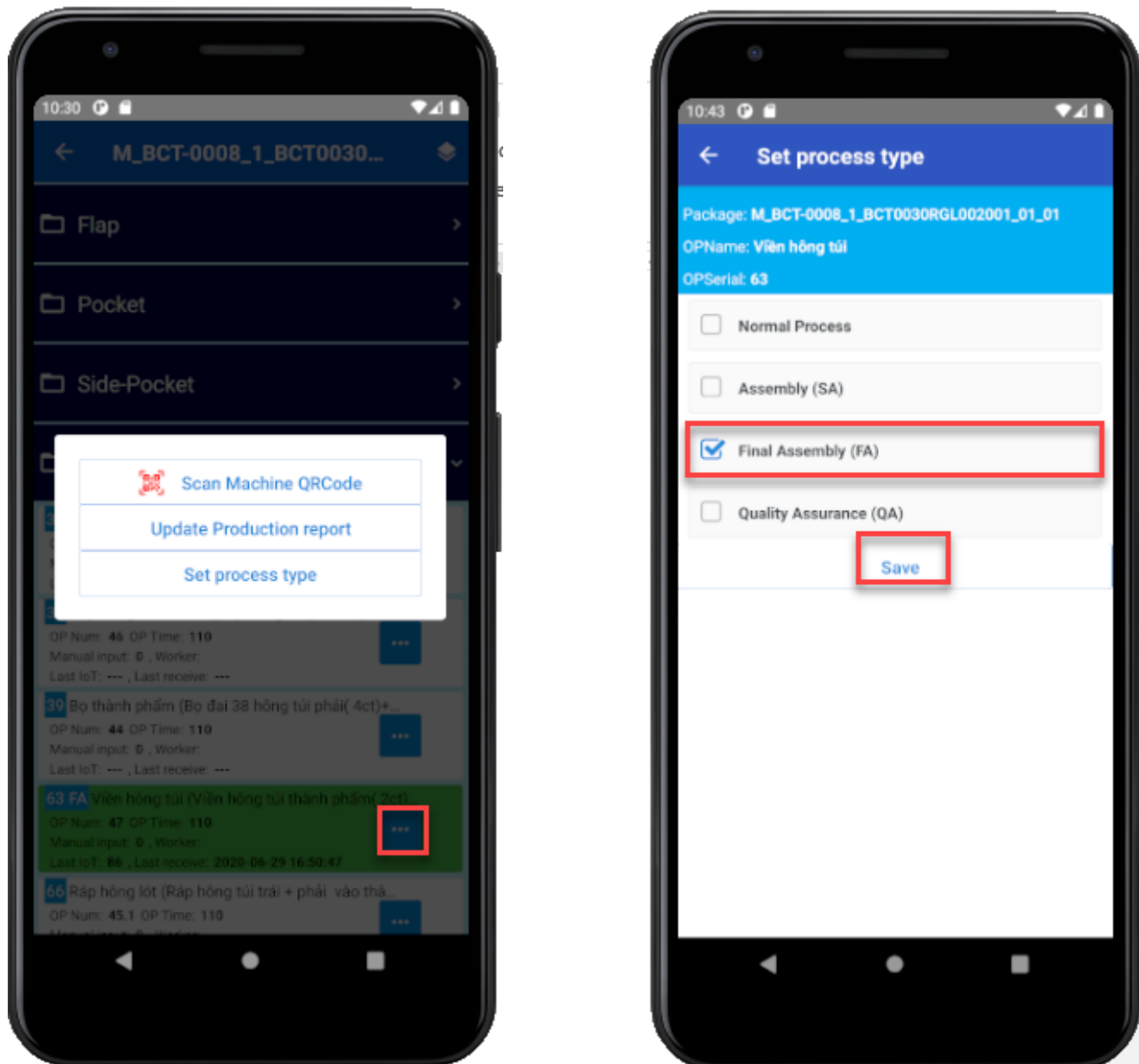
Packages

You can choose any stages to proceed scan
QRCode and set process type on your device.

You can see function " Scan Machine
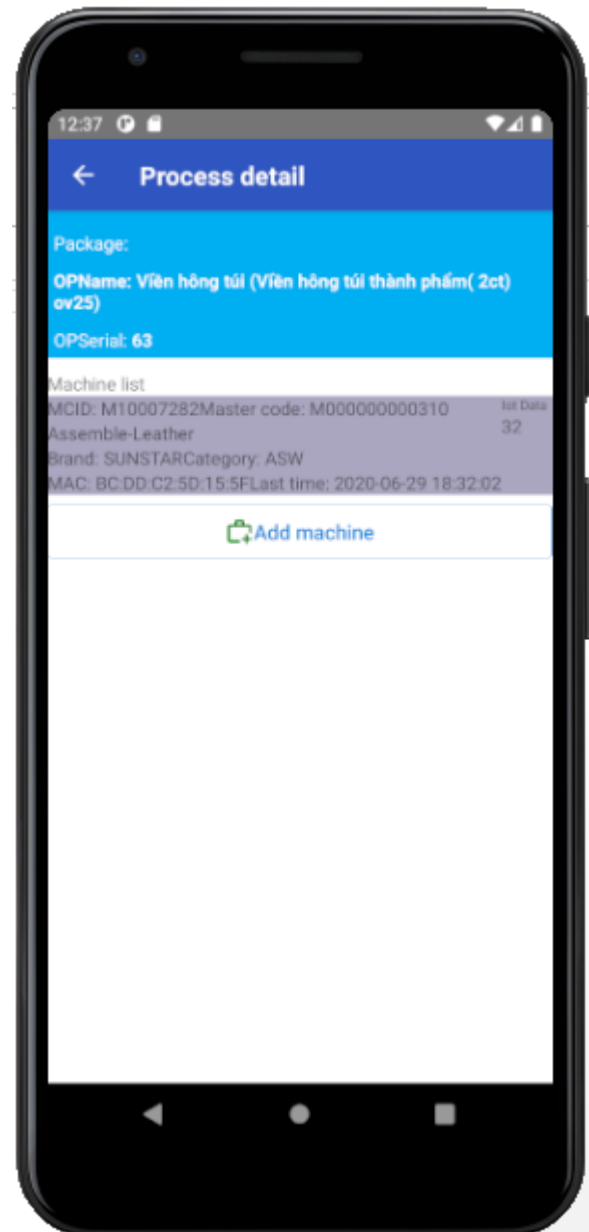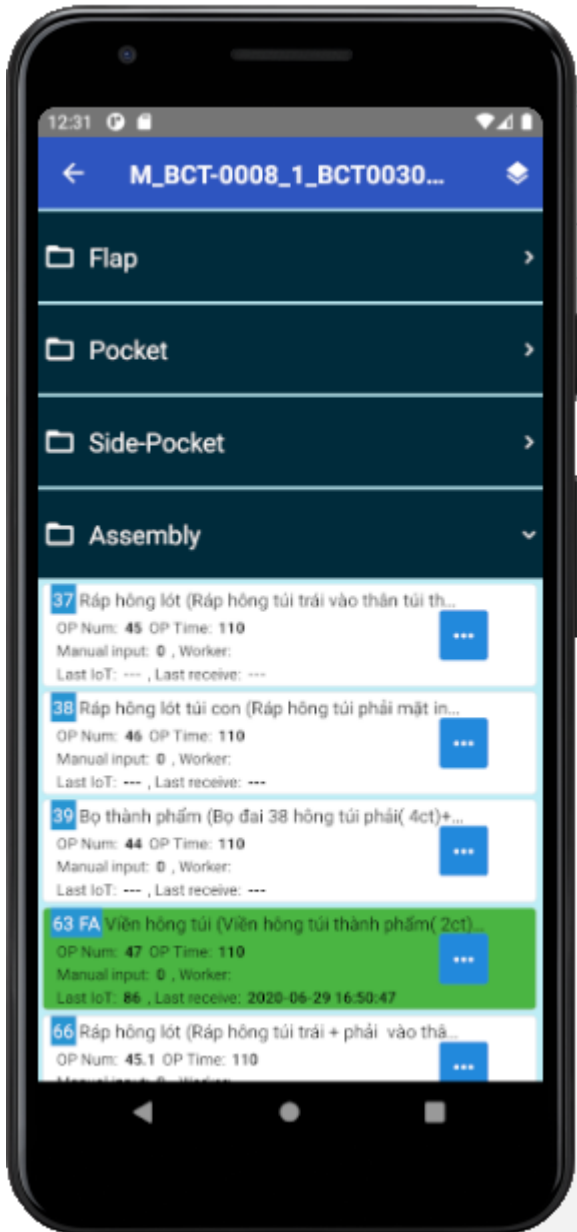QRCode" and "Set Process type" in here.

Packages

Scan Machine QRCode on sewing machine to mapping sewing machine (include IoT) and process detail.

Set process type : you can set process(Normal Process, Assembly (SA), Final Assembly (FA), QA), and press" Save" button after you set up.

Packages

In here, you can see **Last IoT** data and
realtime on process detail after when you
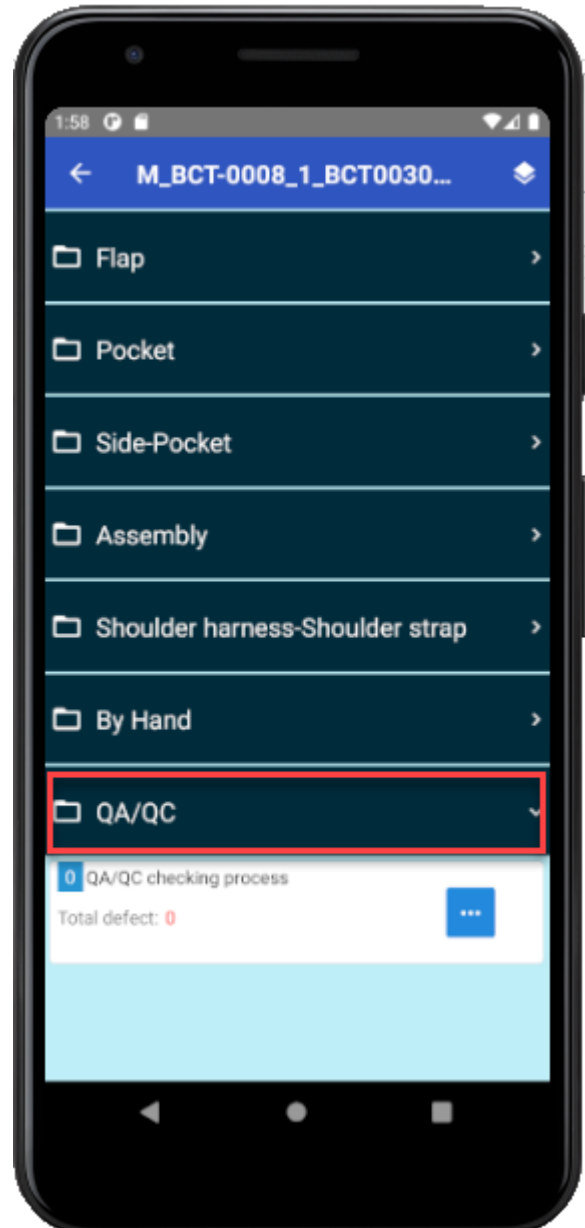Scan machine QRCode and set type
process.

You can double click line which you already
scan and set type process to review process
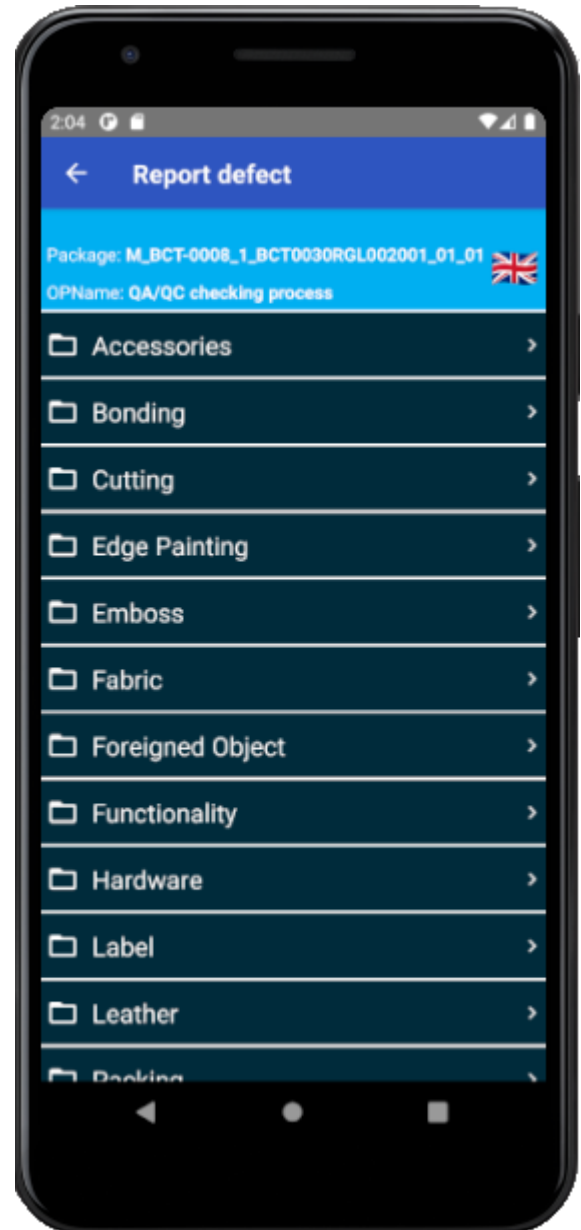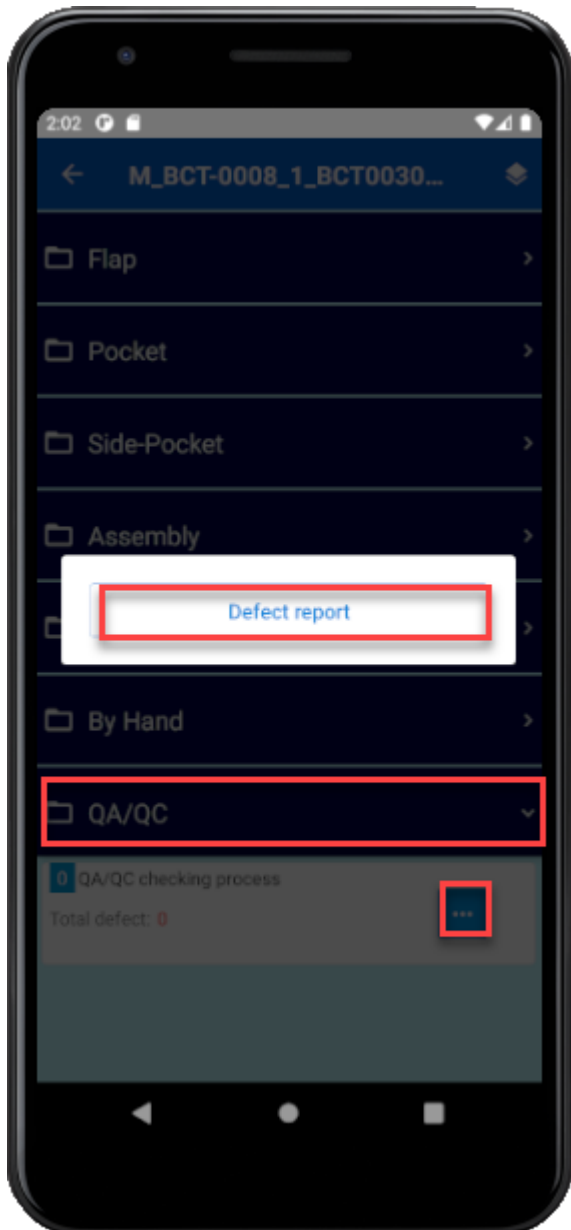detail and machine list.

Packages

+ QA/ QC:

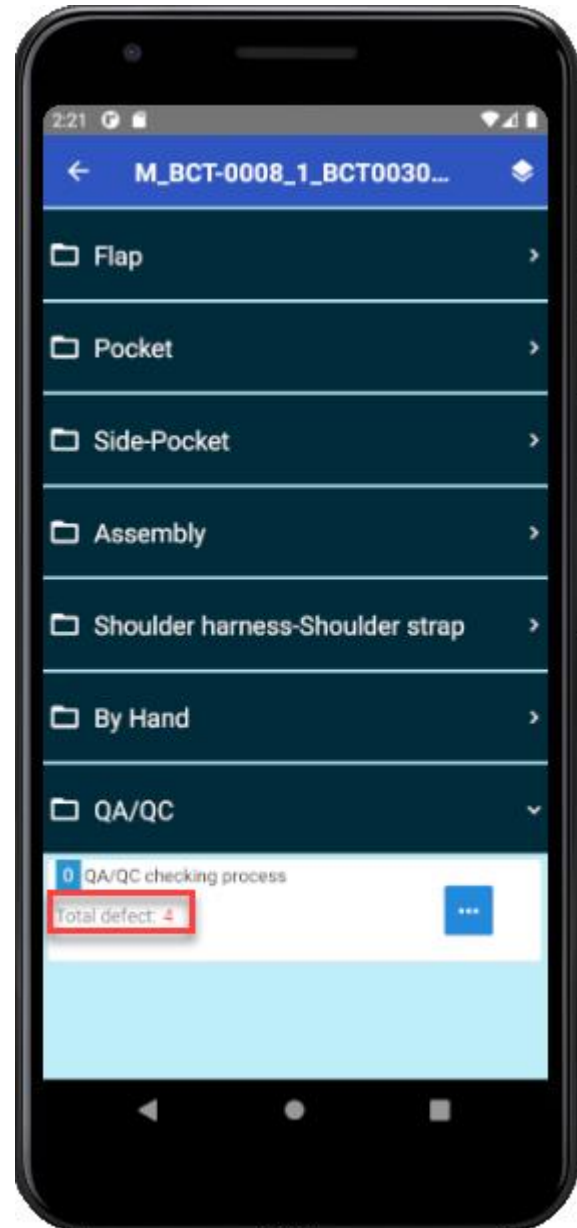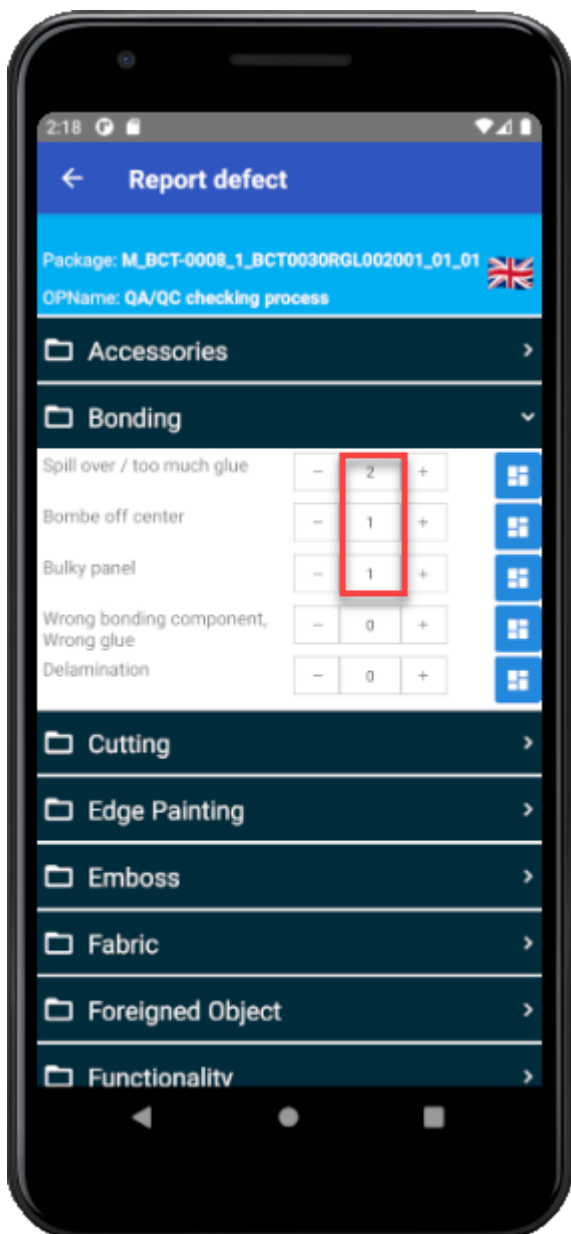In here, you can make a mannualy report **DEFECT** by QA/ QC team.

Packages

QA/QC: You can double click line or select "**…**" and choose Defect report. In here, you can see all stages of package.

Packages

QA/QC: You can **enter/ deleted** (**+** or **-**) mannualy report defect in here, and you can check the quantity defect on QA/QC function.

Packages

After a while, you already finished scan machine and set process type of Mes Package. You can check **achieved, total defect** of package. Besides, it also display statistics on **line dashboard** (MES system).
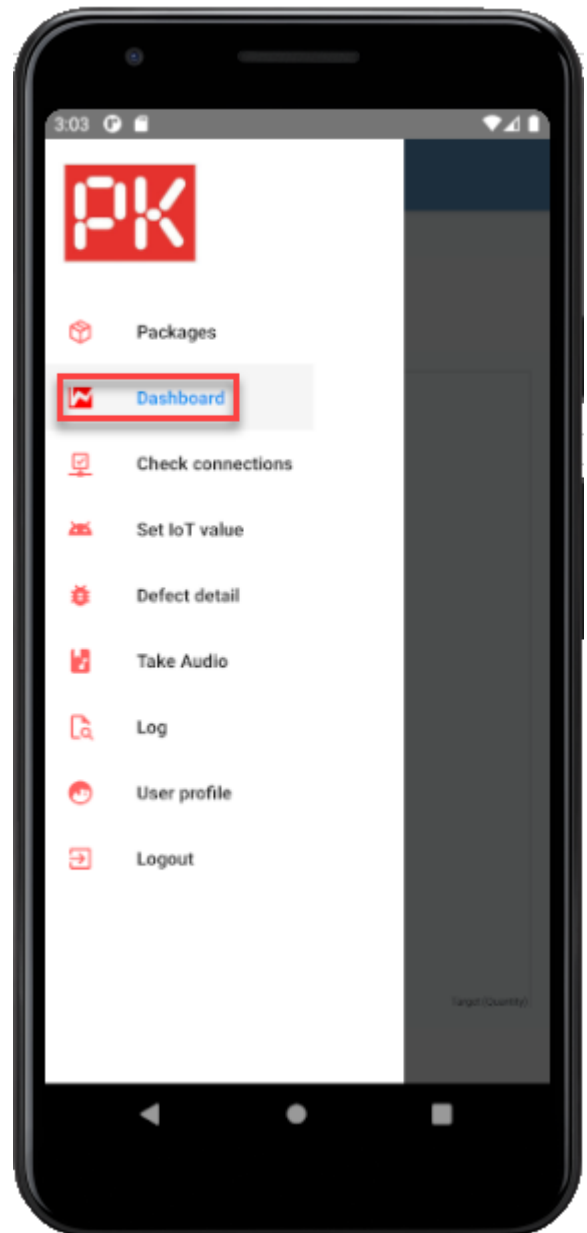
Packages
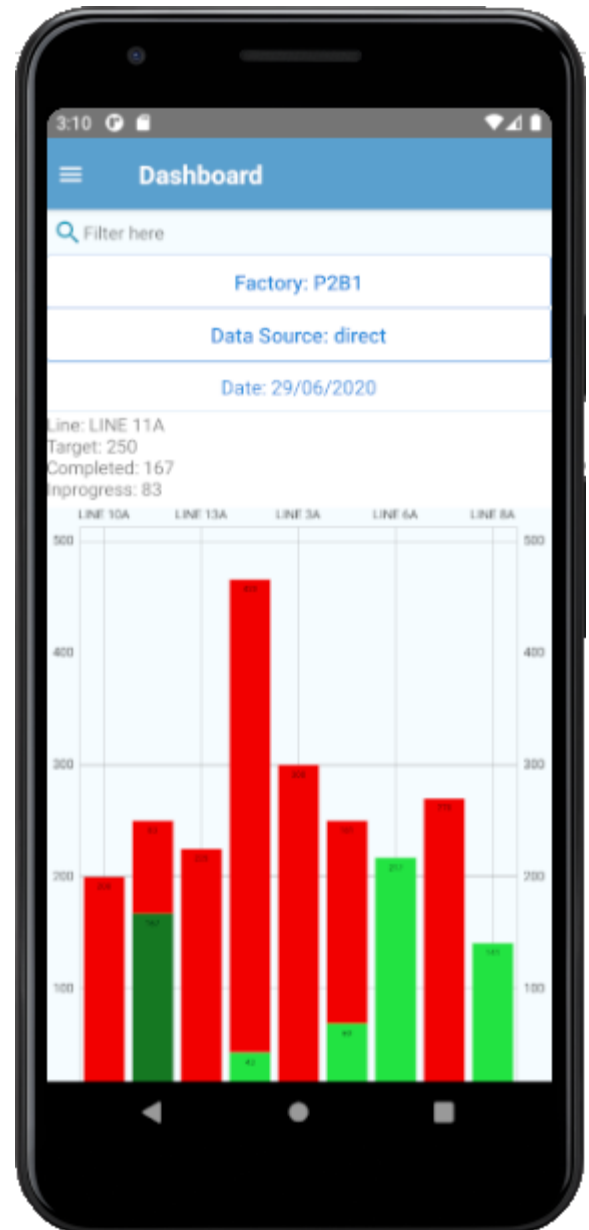
+ **Line Dashboard** on MES system.

Dashboard

You choose "**Dashboard**" function to you can review **completed** and **ingrogress** of each the packages.

Dashboard

Filter here:

You can choose the factory, date which you want to review line or packages on dashboard. It will be display the number target, completed and ingrogress to you can tracking.

Logout

You can choose "Logout" on your device when you want to go back login screen.