Production system: MobileScan

Module of scanning finished goods to orders and inventory

Manual English Ver. 2.1

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Module overview

MobileScan system module is loading and shipment procedures service tool, which is responsible for scanning and collecting items of finished goods to orders in loading procedure before shipping of the order. This module is able to change status of every individual finished goods item to assign to the order or return it to stock of the factory. Also it's able to perform inventory checking procedure for primary, secondary, custom or finished goods physically presenting numbers to make regular correction of items presented in storage or lost.

General structure

At main level of this module it contains two sections:

1. Order loading finished goods scanning section
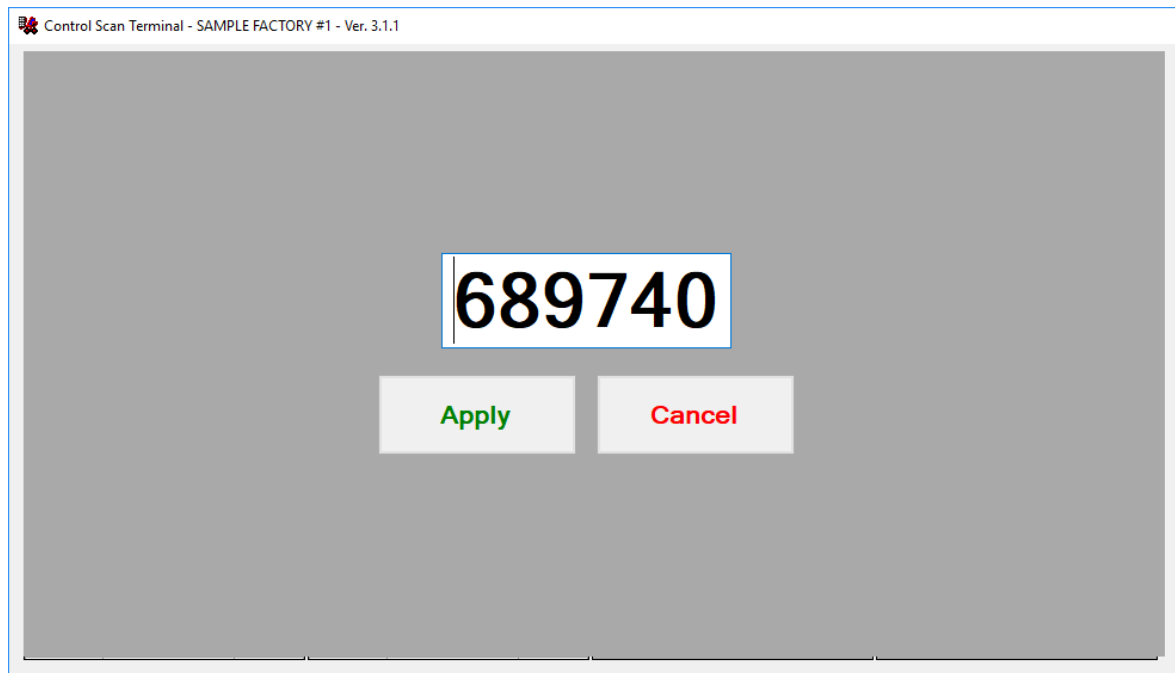2. Inventory procedure item numbers scanning section

Scale module has not only different layouts, but also different register modes in order to register and produce labels for different stages of workflow at satellites customized production.

MobileScan module is presented in a number of different implementations for suitable hardware platforms used at specific factory. This allows to use flexible tools and hardware chosen as best one for exact case and environment. All these modules are supposing to work in Wi-Fi network covering loading zone of warehouse or areas of inventory control:

1. Laptop with Windows Desktop OS regular implementation, which allows to operate on cable connected or Bluetooth scanner to collect numbers.
2. Windows Mobile/CE 6.5 industrial scanner device operating on scanning items with embedded scanner. There are such models as Datalogic (Falcon, Scorpio), Motorola or other similar ones scanners supported.
3. iOS Apple iPad tablet hosted solution, which allows to operate on cable connected or Bluetooth scanner to collect numbers.

Order loading finished goods scanning section

MobileScan module in order loading scanning section performs collecting of numbers into order suitable for shipping and chosen by loading manager. Before start working with the module, user shall choose an order from list of ones suitable for loading procedure.

After order's selection, there will be opened main interface and user could begin data collection and scanning numbers for loading of chosen order.

In process of scanning MobileScan module will automatically check and inform operator about possible mistakes and conflict situations, which could happen in real environment of factory finished goods items storage. It could be such cases as:

1. Finished goods item number marked as corrected, but physically presenting – such one would be automatically restored with a message.
2. Appearance in scanning to one order an item, which was produced for different order – MobileScan will request a decision from operator.
3. Appearance in scanning to one order an item, which was produced for different order – MobileScan will request a decision from operator.
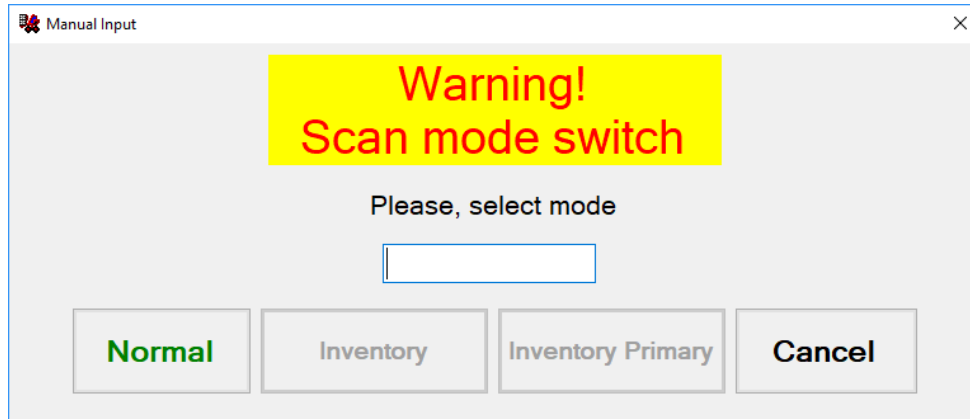4. Other conflict cases.

Control Scan Terminal - SAMPLE FACTORY #1 - Ver. 3.1.1

Order No. 102377 Scanned 0 Weight 0

Bale Count 0

Customer 40020 FTA TRADE Terminal 32001

Art.No.	Article	Need	Art.No.	Article	Need	Art.No.	Article	Need	Art.No.	Article	Need
10805	Sample (AA) 1...	100	21495	Sample (AA) 2149	8	12035	Sample (AA) 1203	4			
10100	Sample (AA) 1...	30	21975	Sample (AA) 2197	8	20310	Sample (AA) 2031	4			
21995	Sample (AA) 2...	22	22065	Sample (AA) 2206	6	11215	Sample (AA) 1121	3			
10505	Sample (AA) 1...	20	10615	Sample (AA) 1061	6	11225	Sample (AA) 1122	3			
10202	Sample (AA) 1...	20	12545	Sample (AA) 1254	6	11205	Sample (AA) 1120	3			
20505	Sample (AA) 2...	20	12535	Sample (AA) 1253	6	11745	Sample (AA) 1174	2			
22045	Sample (AA) 2...	20	21985	Sample (AA) 2198	6	12595	Sample (AA) 1259	2			
20805	Sample (AA) 2...	20	10525	Sample (AA) 1052	5	20040	Sample (AA) 2004	2			
10605	Sample (AA) 1...	18	10275	Sample (AA) 1027	4	10575	Sample (AA) 1057	2			
10425	Sample (AA) 1...	15	21550	Sample (AA) 2155	4	11735	Sample (AA) 1173	2			
21535	Sample (AA) 2...	12	12145	Sample (AA) 1214	4						
11700	Sample (AA) 1...	10	10365	Sample (AA) 1036	4						
11615	Sample (AA) 1...	10	22085	Sample (AA) 2208	4						
12582	Sample (AA) 1...	10	10010	Sample (AA) 1001	4						
10745	Sample (AA) 1...	10	11635	Sample (AA) 1163	4						
20325	Sample (AA) 2...	10	10375	Sample (AA) 1037	4						
11305	Sample (AA) 1...	8	22095	Sample (AA) 2209	4						
10170	Sample (AA) 1...	8	10020	Sample (AA) 1002	4						
10255	Sample (AA) 1...	8	10385	Sample (AA) 1038	4						
11605	Sample (AA) 1...	8	21655	Sample (AA) 2165	4						

Inventory procedure item numbers scanning section

MobileScan module could be switched to inventory scanning mode after input of password, which protects it from unwanted switching.

After input of proper password and switching to inventory mode, there will be shown main interface of inventory procedure, which contains only elements suitable for inventory process. These elements will show last 10 scanned numbers and total quantity of scanned items in current session of MobileScan and in inventory summary buffer for this type of inventory as primary, secondary or finished goods.