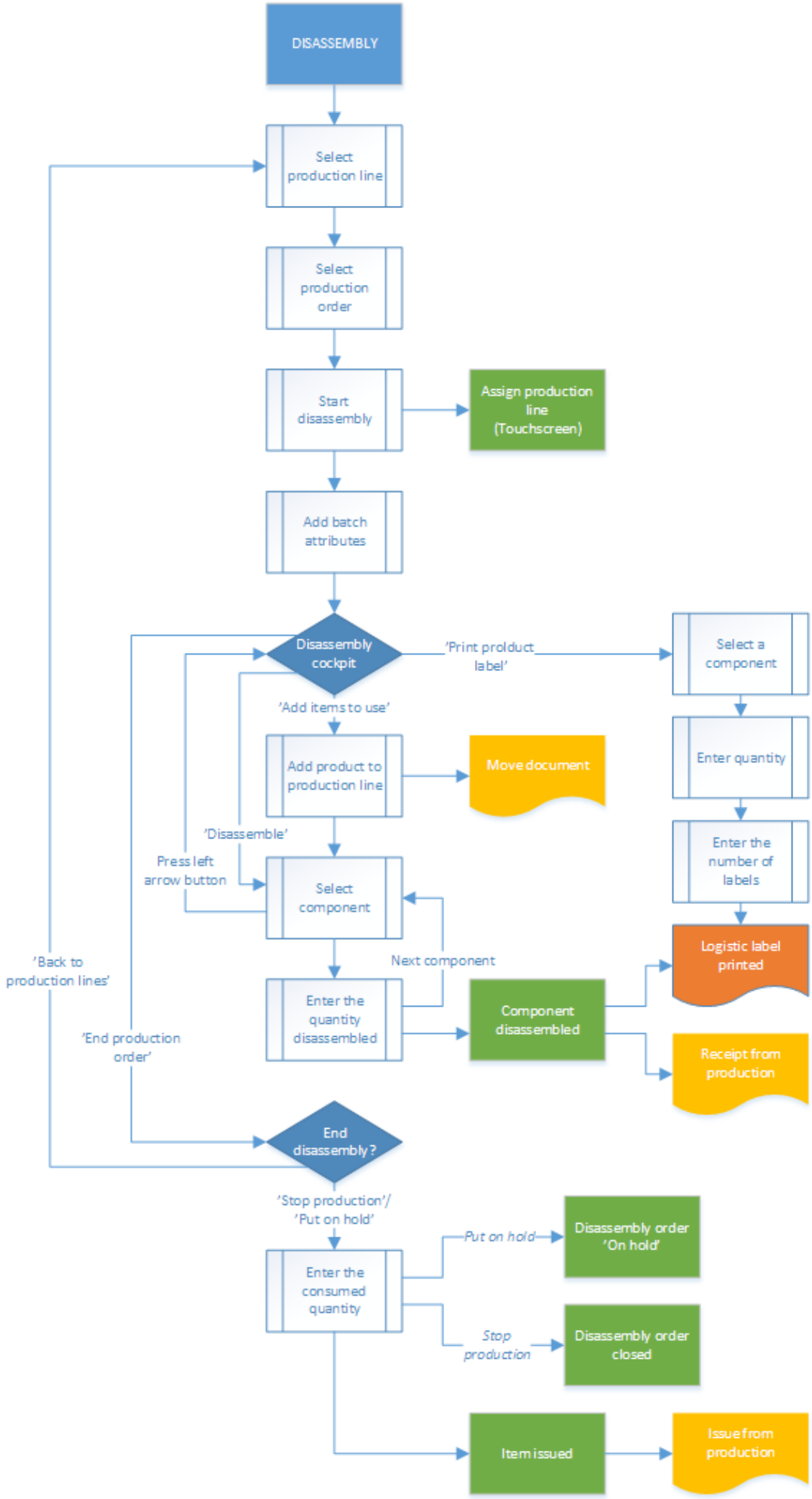
8.3. Disassembly


DISASSEMBLY
Select production line
Select production order
Start disassembly
Assign production line (Touchscreen)
Add batch attributes
Disassembly cockpit
'Print prolduct label'
Select a component
Enter quantity
Enter the number of labels
Logistic label printed
'Add items to use'
Add product to production line
Move document
'Disassemble'
Press left arrow button
Select component
Next component
'Back to production lines'
Enter the quantity disassembled
Component disassembled
Receipt from production
'End production order'
End disassembly?
'Stop production'/ 'Put on hold'
Enter the consumed quantity
Put on hold
Disassembly order 'On hold'
Stop production
Disassembly order closed
Item issued
Issue from production

8.3.1. Initiate the flow

Press the ‘Disassembly’ button on the touchscreen.

8.3.2. Select production line

See: 8.2.2. Select production line

8.3.3. Select the production order

Select the production order from the list. Only released disassembly orders assigned to the selected production line or not yet assigned to any line are displayed on the list.

8.3.4. Start production

After the order has been selected, the details of the disassembly will be displayed. Press the ‘Start production’ button to start the disassembly. For more information about the displayed production details see: 8.2.4. Start production
When there is a stared disassembly order, the system automatically proceeds with that order.

8.3.6. Disassembly cockpit

The next screen is the disassembly cockpit.

1. Code, description and barcode of the item to produce.
2. The planned quantity in the production order.
3. The number of the production order.
4. The due date of the production order and the attached remarks.
5. The type of the production order indicated with an icon.
6. The product to disassemble is listed here. The quantity that still need to be moved to the production line is displayed next to the item code and description.
7. ‘Disassemble’button. See: 8.3.8. Disassemble
8. ‘Add items to use’buton. See: 8.3.7. Move to the production line
9. ‘Print product label’ button. See: 8.2.11. Print label
10. ‘End production order’. See: 8.3.10. End production

8.3.7. Move to the production line

Add the item to disassemble to the production line. Press the ‘Add items to use’ button or move the item with the ‘Move to production line’ flow. For more information about moving the item to the production line see: 8.2.8. Move the components to the production line

8.3.8. Disassemble

Add the item to disassemble to the production line. Press the ‘Add items to use’ button or move the item with the ‘Move to production line’ flow. For more information about moving the item to the production line see: 8.2.8. Move the components to the production line

After the ‘Disassemble’ button has been pressed a list of components are displayed on the screen. Only components from the disassembly order will be displayed on the list. Select a component from the list.

If the item is managed by batches, depending on the batch number settings for production the system might ask to enter the batch number.
If the item has a best before date, depending on the best before date settings for production, the system might ask to enter the best before date.
If the item has batch attributes, the system asks for adding those attributes too.

On the next screen identify the destination logistic unit. See: 8.1.4. Identify the SSCC
Add the quantity disassembled of the selected component. The quantity is the base quantity multiplied by the quantity of the product on the production line. The maximum quantity is calculated from the base quantity and the quantity tolerance of the component and the available quantity of the product on the production line.

In the case of a catch weight component, enter the weight too. The weight range that can be added is calculated from the quantity of the component disassembled and the catch weight settings of the item.
When a component is managed by ‘On every transaction’ type serial numbers, add the quantity by scanning the serial numbers.
When a component is managed by PMX or ‘On release only’ type serial numbers, the quantity can also be added by scanning the serial numbers.
In the case of a lined up component, select the lined up location after the quantity has been added.

Press the right arrow button to proceed.

8.3.9. Receive product

After the quantity has been added, the system books a 'Receipt from production' document for the component. If set in the Organizational Structure, the *'Production: logistic unit produced event (400)'* print event is triggered and the Production label is printed. Default report for the print event: *DefaultProductionLabel.rpt*. The system displays the 'The item is disassembled' message.
Then the system goes back to the select a product screen. After every component has been disassembled, press the left arrow button to go back to the disassembly cockpit.

8.3.10. End production

Press the 'End production order' button to quit from the disassembly. After the button has been pressed, select a task.
To go back to the production lines, press the 'Back to production lines' button. The Produmex status of the disassembly will remain 'Started'.
To put the disassembly on hold, press the 'Put on hold' button.
To stop the production, press the 'Stop production' button.
After the 'Put on hold' or the 'Stop production' button has been pressed, confirm the consumed quantity.
In case the disassembled quantity of at least one item does not reach the minimum quantity calculated from the quantity of the product on the production line, the base quantity and quantity tolerance of the component and the disassembled quantity of other components, the system displays an error message. To go back to the disassembly cockpit, acknowledge the message by pressing the 'Ok' button.

8.3.11. Confirm the consumed quantity

On the next screen, confirm the consumed quantity.

1. Item to consume: the item code and description of the disassembled product.
2. Quantity to consume. The quantity to consume is calculated based on the following logic:
    - First the system calculates for each component the theoretical quantity to disassemble in order to produce the previously added component quantity.
      {Quantity to disassemble = Disassembled quantity / Base quantity}
    - Then the system select the lowest value (the component linked to that value is the limiting component) and rounds it to the decimals defined for the uom in the product's Item Master Data.
      In the case of catch weight products, the weight to consume is displayed under the quantity to consume. The weight to consume is the product of the quantity to consume and the weight defined for the item in the Item Master Data.
3. Difference qty to use: the difference of the quantity to consume and the #used quantity.
4. The batch number, the second batch number and the best before date of the batch. Different batches are displayed in separate lines.

5. The ‘# On line’ quantity is the quantity of the product that was moved to the production line. In the case of catch weight products, the on line weight is also displayed.
6. The ‘#Used’ quantity is the quantity that was consumed for the production. By default the used quantity equals to the quantity to consume. In the case of catch weight products, the used weight is also displayed. By default the used weight equals to the weight to consume.
7. The ‘# Rest’ quantity is the quantity remaining on the production line. In the case of catch weight products, the rest weight is also displayed.
8. The ‘# Waste’ quantity is the quantity of the waste. In the case of catch weight products, the waste weight is also displayed.

The # Used (9) and the # Rest (10) quantity of the selected batch can be modified in the respective input field. After the modification press the ‘Update’ button. In case of catch weight products, also modify the weights. After the modification press the ‘Update’ button.
In case of using waste, the # On line quantity is equal to with the sum of the # Used, # Rest and # Waste quantity. When modifying the used or the rest quantity, the system updates the waste (11) quantity automatically. The # waste field cannot be modified manually on the touchscreen.

8.3.11. Production order status

See: 8.2.16. Production order status