11. Multiple step productions with the production order step list

With the production order step list, it is possible to group multiple step productions into one production order. Execute step list productions in the 'Production' flow only.
With multiple step production, the production of the intermediate product(s) and the end products can be grouped together. Produmex also supports the scenario where the intermediate product is the result of a disassembly production. Execute step list productions in the Production Flow only.

Note: Produmex WMS does not support resources in the step list.

11.1. Create step list

Open the Production order step list. The step list can be opened from the Produmex Production module.
Add the end product to the 'Item to produce' field.
Add a description to the 'Description' field.
Press the 'Add line' button to add a new line. Select a component on the line. Set the 'Is Disassembly?' option to true if the added item needs to be disassembled in order to produce the intermediate product.
Add the end product to the list too.
Pres the 'Add' button to create the step list.

11.2. Create production order

Create a new production order. Set the type of the order as 'Special' (1).
Select the end product as the item to produce (2). In the next field (3) select the step list from the dropdown menu. Only step list for the item to produce will be displayed.
For more information about the production order settings for using the step list see: *3.3.2. Production order header.*

After the step list has been selected, the system automatically fills the production order lines with data copied from the BOM of the items added to the production step list (4).
In case of intermediate product is the result of a disassembly, the product to disassemble is added to the production order as a component (5).
The intermediate product(s) are also added to the production order, but as an optional item (6).
The production order lines cannot be modified on step list orders.

11.3. Execute the production

Execute the production as described in the *Production Guide*.
After pressing the 'Produce' button, add the produced quantity of the end product. The produced quantity of the intermediate product can be added after the 'stop production' or the 'Put on hold' button has been pressed.

11.4. End production

To end the production, press the 'End production' button. On the next screen select a task.
Press the 'Back to production lines' button to go back to the production lines.
Press the 'Put on hold' button to put the production on hold. Press the 'Stop production' button to stop the production. After pressing the 'Stop production' or the 'Put on hold' buttons, confirm the produced and the consumed quantities.

11.5. Enter the quantity of the produced intermediate item

Enter the quantity of the produced intermediate item. There is no limit to the entered quantity, but the system will display an error message if while confirming the consumed quantities and there is an insufficient stock on the production line.

11.6. Enter the quantity to consume for the optional item

Enter the consumed quantity of the optional item. The entered quantity cannot exceed the quantity available on the production line.

When the end product was not produced, the system skips this screen. When the consumed quantity is greater than zero, then confirm the consumed quantity on the next screen. For more information about the consumed quantity confirmation screens see: *8.2.13. Confirm the quantity to consume*.

11.7. Confirm the quantity to consume for the components

For more information about the consumed quantity confirmation screen see: *8.2.13. Confirm the quantity to consume*.
In case of step list productions, the quantity to consume of a component is the sum of the calculated quantity to consume for the intermediate and the end product.
After the consumed quantities have been confirmed, the system issues the used quantities and books an 'Issue for production' document. The rest quantities are moved to the rest location and the movement is registered in a Move document in the Produmex office module.

11.8. Add the quantity of the output item to process

First enter the output quantity of the end product. The maximum quantity is the produced quantity of the end product.
These screens are used to verify the produced quantity. The entered quantity cannot exceed the produced quantity.
First confirm the produced quantity of the end product by entering the output quantity. On the next screen add the output quantity of the intermediate product.

11.9. Issue components/ Receive product

After the consumed quantities have been added, the system issues the components with the confirmed quantity and books an 'Issue for production' document.
The remaining stock is moved to the production line, and the movement is registered in a Move document in the Produmex office module.
The produced intermediate product is moved to the output of the production line.
The system either closes or puts on hold the production order, depending on which button was pressed in the *11.4. End production* step.