17. Drag & Relate

Produmex Manufacturing is a legacy product and Boyum IT Solutions no longer sells new installations for it.

Produmex Manufacturing extended the standard SAP Business One drag&relate feature with the following reports specialized for manufacturing:

1. BoM Tree
2. BoM Tree without Operations
3. BoM Usage
4. Production Material Requirements
5. Material Account Grid
6. Material Account Diagram
7. Operations Sequence Diagram
8. Job Requirements Report
9. Allocation Status

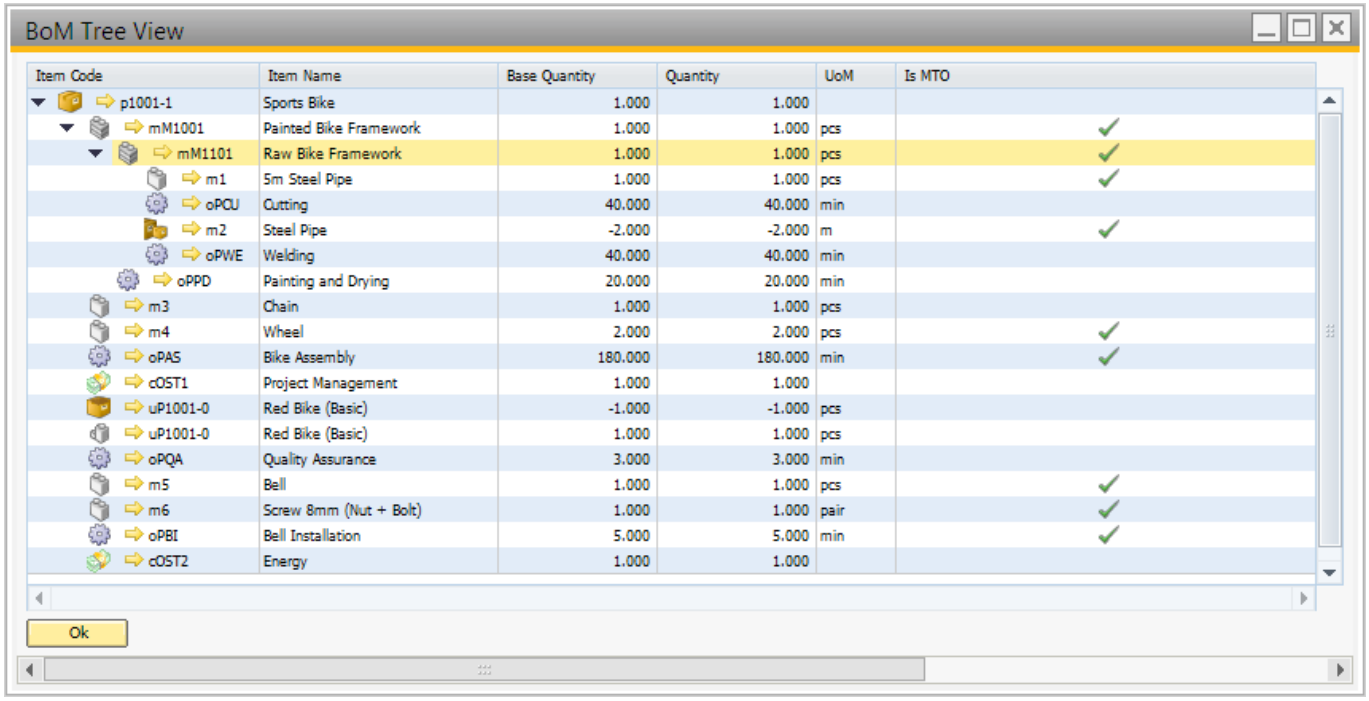
17.1. BoM Tree

To see the complete BoM of a product, grab the item code, place it on the ‘BoM Tree’ line, and then click on ’BoM Tree’. If the grabbed item has a BoM, the BoM Tree View report will open.

The report lists every BoM element of the dropped item. If the Bill of Materials contains an assembly material or a phantom item, the BoM of the assembly material/phantom item will be shown as well. Assembly lines can be collapsed and expanded.

The following information is displayed:

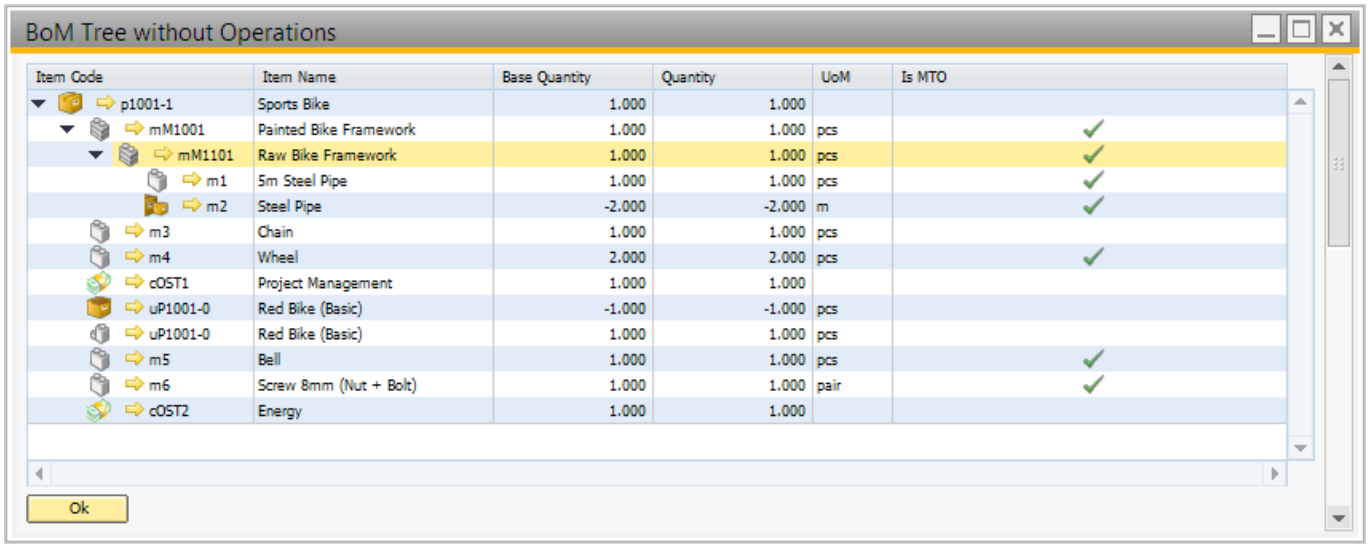
- *Item Code*: This field contains an icon that indicates the role of the item in the BoM and the item code.
- *Item Name*: The description of the item.
- *Base Quantity*
- *Quantity*
- *UoM*
- *Is MTO*: Indicates whether the item will be considered for MTO planning or not.



17.2. BoM Tree without Operations

To see the complete BoM of a product without operations, grab the item and drop it on the 'BoM Tree without Operations' line, then click on the line. If the grabbed item has a BoM, the BoM Tree without Operations report will open.

The report lists every element of the item's Bill of Materials, except the operations. If the Bill of Materials of the dropped item contains an assembly material or a phantom item, the BoM of the assembly material/phantom item will be shown as well. Assembly lines can be collapsed and expanded.



17.3. BoM Usage

To see the products that require the given item as a component, grab the item, place it on the 'BoM Usage' line, and then click on the line.

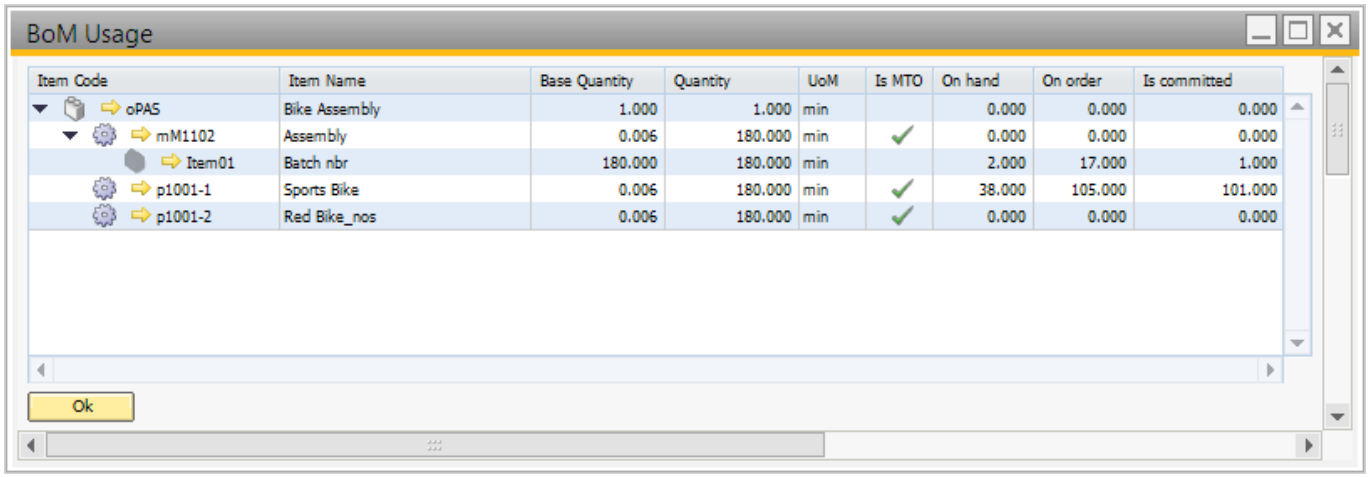
A product is listed on the opening BoM Usage form if its BoM contains the selected item.

If the item is a phantom item, the BoMs that contain the phantom item will be listed under the item.

The report can be used for materials, components, operations, by-products and costs.

The following information is displayed:

- *Item Code*: This field contains an icon that indicates the role of the item in the BoM and the item code.
- *Item Name*: The description of the item.
- *Base Quantity*
- *UoM*
- *Is MTO*: Indicates whether the item will be considered for MTO planning or not.
- *On hand*: The quantity in stock.
- *On order*: The ordered quantity.
- *Is committed*: The committed quantity.



17.4. Production Material Requirements

To see the list of production orders that require the given item as a material, open the Production Material Requirements report. Grab a component/material item, drop it on the 'Production Material Requirements' line, and then click on the line.

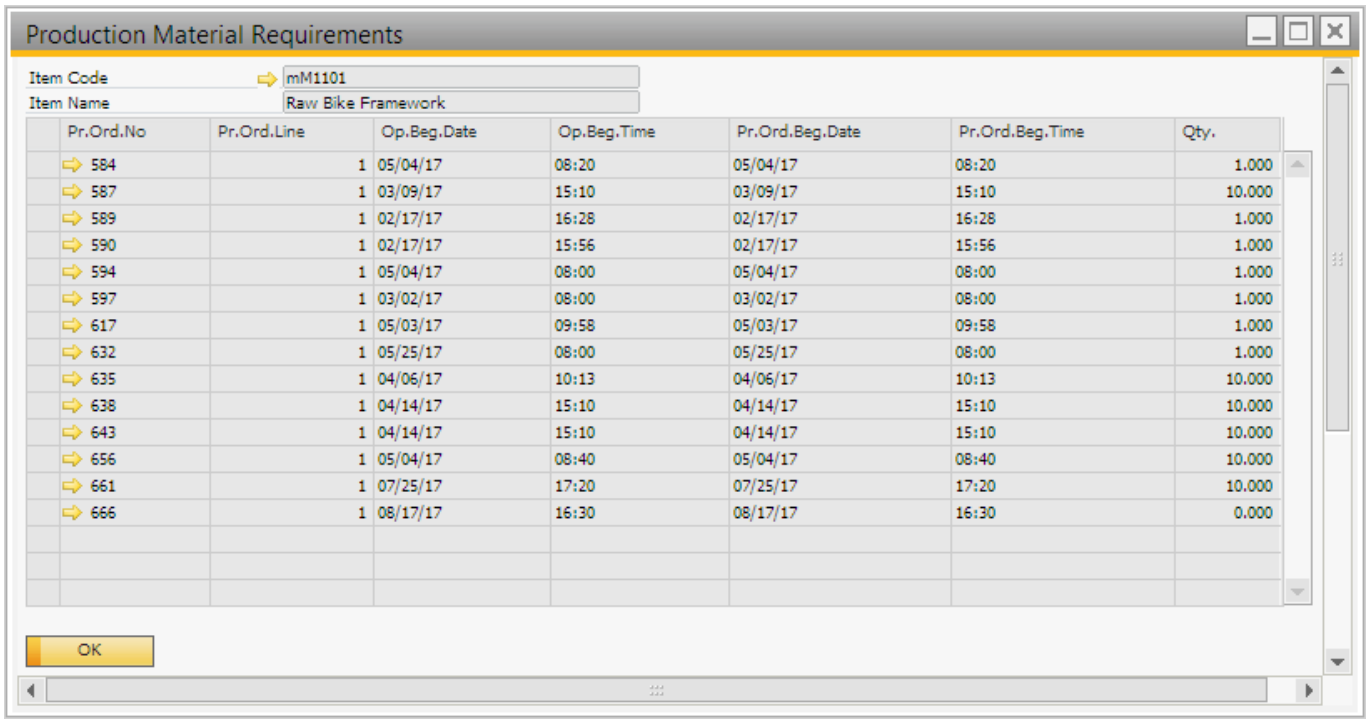
On the grid every open production order that contains the item as a material will be listed and linked.

Please note: If a material is not linked to an operation, it will not be listed.

The following information is displayed:

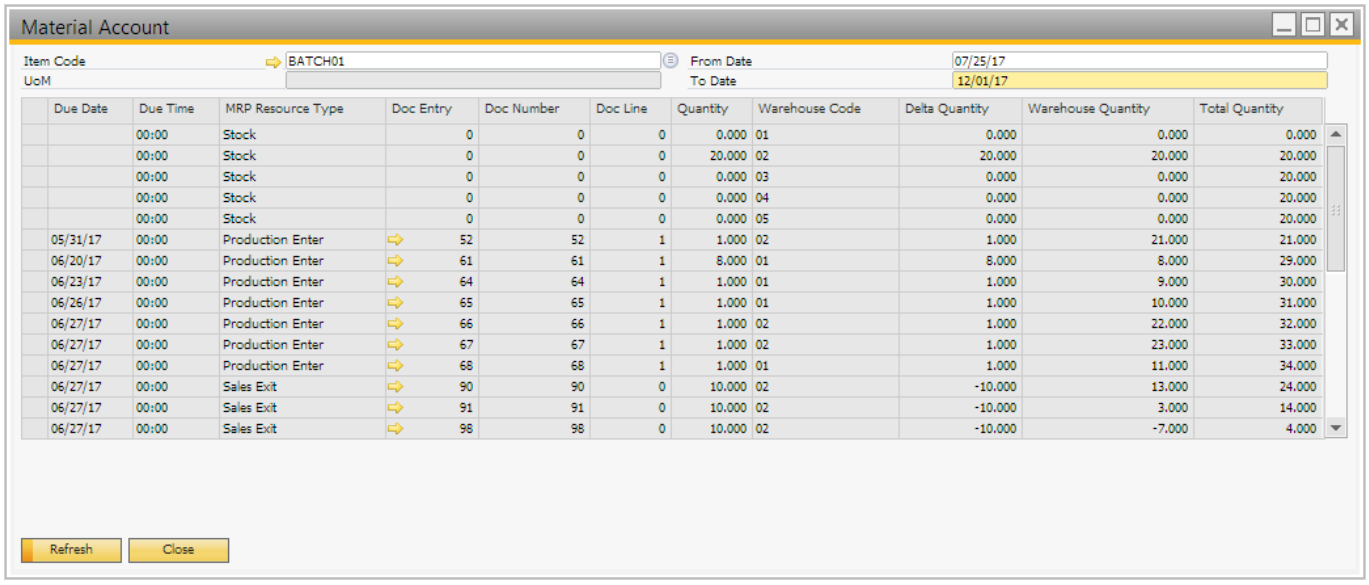
- *Pr.Ord.Line*: The production order line where the material is located.

- *Op.Beg.Date*: The begin date of the linked operation.
- *Op.Beg.Time*: The begin time of the linked operation.
- *Pr.Ord.Beg.Date*: The begin date of the production order.
- *Pr.Ord.Beg.Time*: The begin time of the production order.
- *Qty.*: The required quantity.



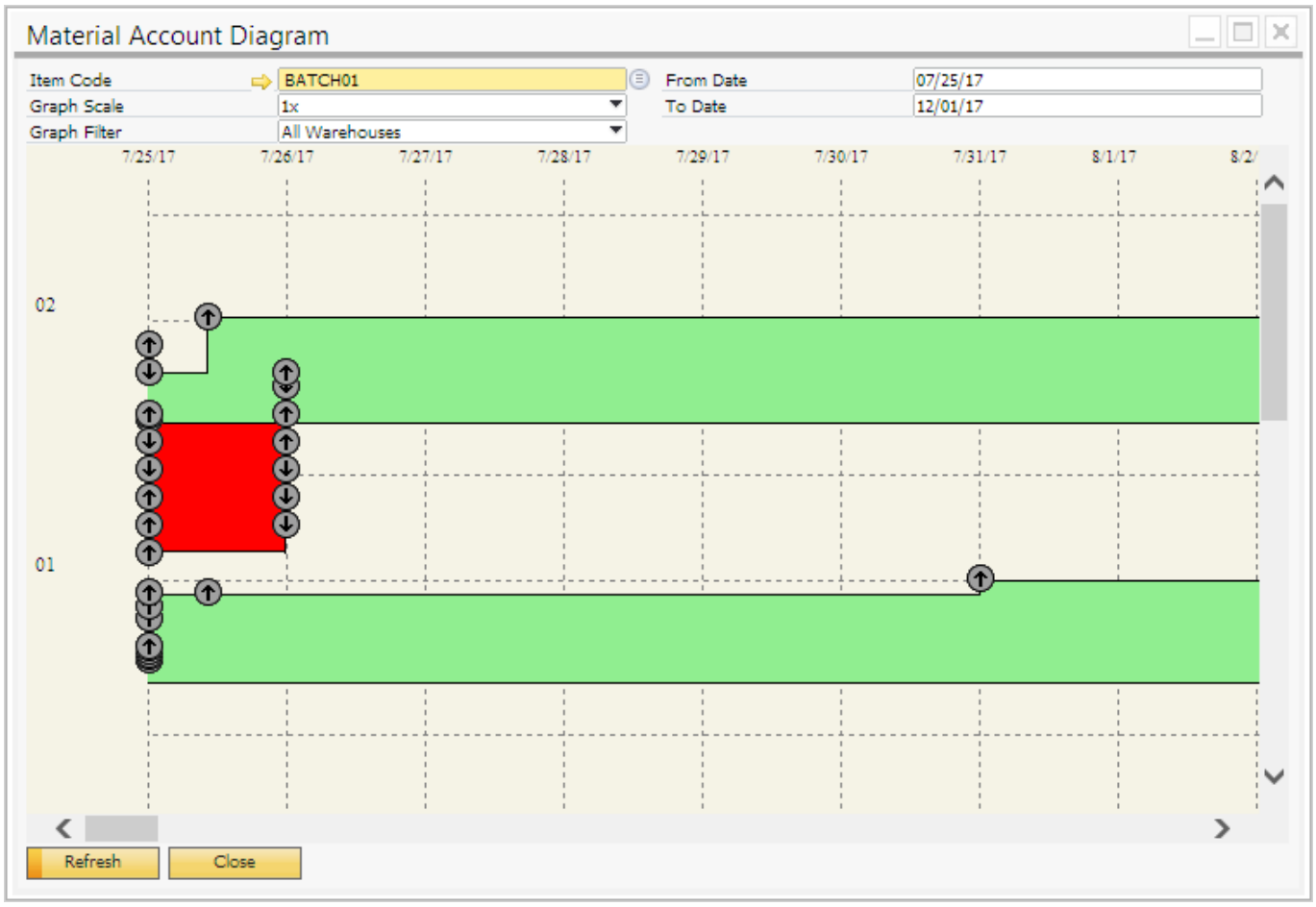
17.5. Material Account Grid

To see the incoming and outgoing inventory transactions of an item, open the Material Account Grid. Drag a non-operation item and drop it on the 'Material Account Grid' line, then click on the line. The 'Material Account Grid' form will open.



17.6. Material Account Diagram

To see the incoming and outgoing inventory transactions of an item on a diagram, open the Material Account Diagram. Drag a non-operation item, drop it on the 'Material Account Diagram' line, and then click on the line. The 'Material Account Diagram' form will open.



17.7. Operations Sequence Diagram

To see the MTO sequence of a production order, drag it, place it on the 'Operations Sequence Diagram' line, and then click on the line. The Operations Sequence Diagram will open.

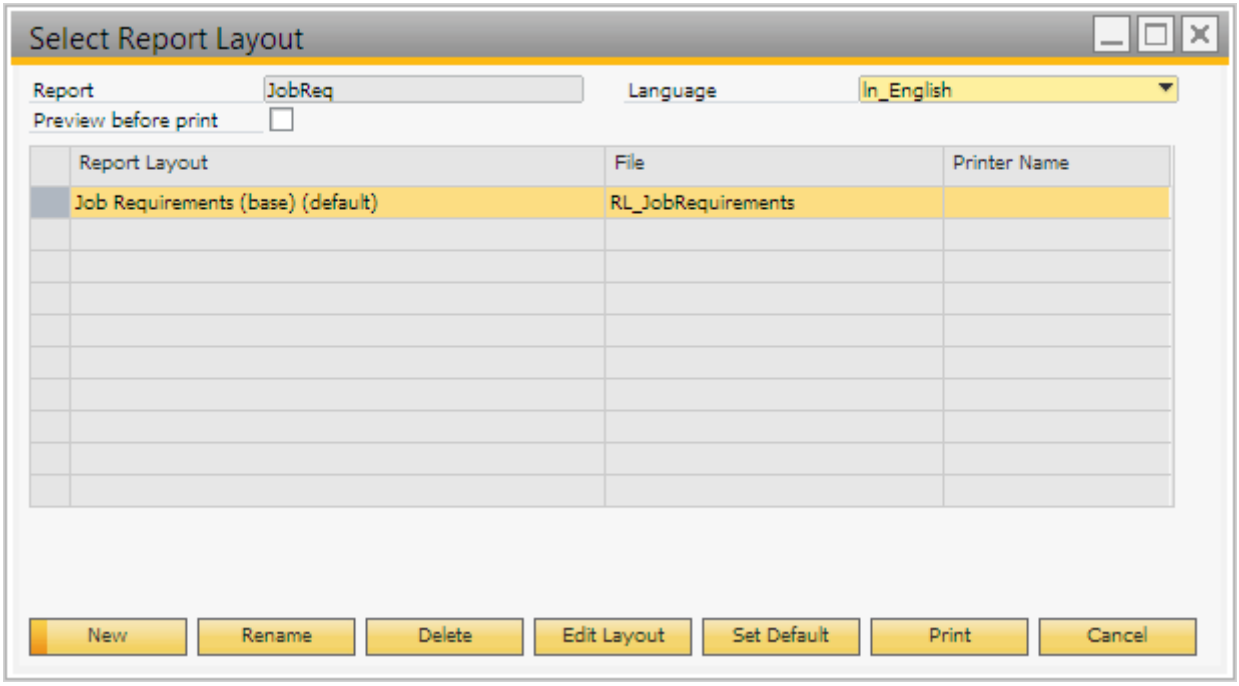
The operations sequence diagram can only be opened for release production orders that are part of an MTO chain.

17.8. Job Requirements Report

The Job Requirements report can be printed with the drag & relate function as well.

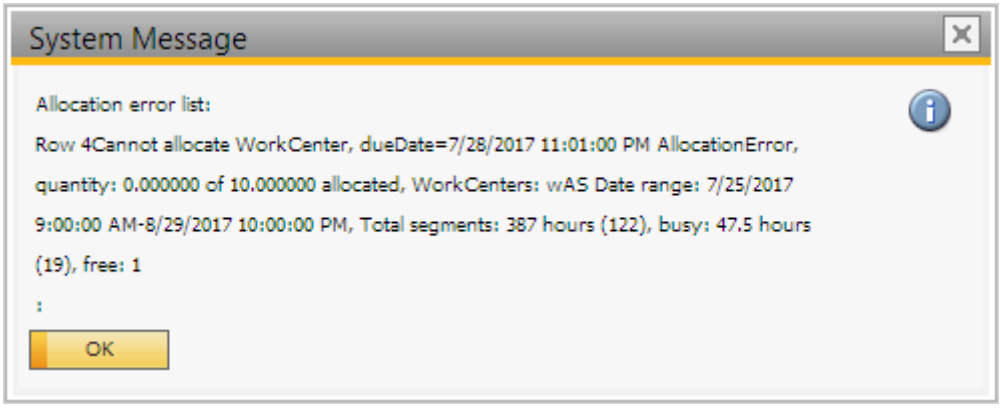
Drag a released production order, drop it on the 'Job Requirements Report' line, and then click on the line. The 'Select Report Layout' window will open up. After the report is selected, the system will print

the Job Requirements Report for the production order.



17.9. Allocation Status

To see the allocation status of a released production order, drag the production order, place it on the 'Allocation Status' line, and then click on the line. The Allocation error list window will open.



If there are no allocation errors, the following system message will open: