

# Rework orders

With rework orders supplementary operations can be added to an [MTO chain](#) in order to improve the quality of the child items. It can be created from the parent MTO production order for a child element. The rework order will be linked to the MTO chain of the parent production order.

## 1. Prerequisites

First define an item for rework. Normally this item is only an 'Inventory' item as it is used only internally. Then create the rework BoM for this item that includes all the operations and materials needed for the rework.

Add the code of the rework item to the 'Rework Order special BoM item code' field on the [Production order tab](#) of Produmex Manufacturing settings.

## 2. Create a rework order

Rework order can be created from the parent MTO production order. Select the line of the assembly material in question the select the 'Create Rework Order' option from the right-click menu.

The screenshot displays the 'Production Order' window. The main table lists components with columns for Row Type, R. Type, No., Description, Base, Planned, Issued, Avail., UoM, UoM, Milestone Type, Milestone Group, and Issue Method. The first row is 'Raw Bike Framework' with a planned quantity of 10. A context menu is open over this row, with 'Create Rework Order' highlighted. Other menu items include Copy, Copy Table, Maximize/Restore Grid, Cancel, Duplicate, Delete Row, Missing Capacity Report, New Activity, Related Activities, Order Recommendation, MTO Procurement Graph, MTO Procurement Orders, Material Requirements Report, and Operations Sequence Diagram. To the right, a 'Summary' panel shows various order details such as Allocation Strategy, Begin Date, End Date, and Milestone Type.

The created rework order will open up.

The order type will be 'Special' and the BoM loaded in the order is the BoM of the rework item defined on the 'Rework Order special BoM item code' field.

The product will be the assembly material and the quantity will be the planned quantity of the material on the parent production order. The rework order inherits its due date from the base production order. The planned quantity for the product will be the planned quantity of the assembly material of the parent production order.

Adjust the rework order manually by adding or modifying material & operation lines that will reflect the specific rework order that has to be performed then click on the 'Update' button.

The rework order is automatically added to the MTO chain of the top order. If the parent production order has a Custom Code defined on the Custom Code UDF, the rework order will inherit it.

The screenshot shows the 'Production Management Cockpit' window. It features a top navigation bar with various filters and dropdown menus. Below this is a table with columns for 'Select', 'Changed', 'St.', 'Pr. Ord. No', 'Pr. Ord. Status', 'Priority', 'Item No', 'Item Name', 'Custom Code', 'Planned Quantity', 'Allocation Strategy', 'Begin Date', 'End Date', 'Latest Begin Date', 'Due Date', and 'Due Time'. The table contains four rows of data, with the 'Custom Code' column highlighted in red for the second and third rows. At the bottom of the window, there are several buttons: 'Load', 'Recalculate', 'Change Selected', 'Missing Capacity Report', 'Move Earliest', 'Move Latest', and 'Close'.

Select	Changed	St.	Pr. Ord. No	Pr. Ord. Status	Priority	Item No	Item Name	Custom Code	Planned Quantity	Allocation Strategy	Begin Date	End Date	Latest Begin Date	Due Date	Due Time
<input type="checkbox"/>	<input type="checkbox"/>	●	586	Planned		p1001-1	Red Bike	CC4325	15.000	Forward From Preferred Date	02/21/17 11:40 AM	03/01/17 11:04 AM	02/20/17 02:53 PM	02/28/17	00:00
<input type="checkbox"/>	<input type="checkbox"/>	●	587	Planned		mM1001	Painted Bike Framework	CC0123	15.000	Forward From Preferred Date	02/17/17 02:35 PM	02/23/17 04:37 PM	02/17/17 01:50 PM	02/18/17	00:00
<input type="checkbox"/>	<input type="checkbox"/>	●	590	Planned		mM1101	Raw Bike Framework	CC5543	15.000	Forward From Preferred Date	02/17/17 01:00 PM	02/17/17 08:12 PM	02/17/17 04:28 PM	02/18/17	00:00
<input type="checkbox"/>	<input type="checkbox"/>	●	595	Planned		mM1101	Raw Bike Framework	CC0123	15.000	Forward From Preferred Date	02/17/17 02:35 PM	02/17/17 02:49 PM	02/17/17 04:46 PM	02/18/17	00:00

### 3. Execute the order

Execute the rework order in the shopfloor as described in: [PDC bookings](#).

To ensure accurate inventory records, do not receive the product at the end of the job as it has been already received from the job of the child production order.

From: <https://wiki.produmex.name/> - **Produmex**

Permanent link: <https://wiki.produmex.name/doku.php?id=implementation:manufacturing:rework&rev=1497018071>

Last update: 2017/06/09 14:21

