1. Configurations

1.1. Configurations on Produmex Manufacturing settings

1.1.1. Allocation dimensions

With default configurations only the work center dimension of the allocation is used in the MRP, therefore the other two dimensions cannot be displayed on the Job Scheduling Control Panel. To enable multidimension allocation, go to the MRP tab of the Produmex Manufacturing Settings and check the *'Use multidimension allocation'* option.

1.1.2. Align allocations

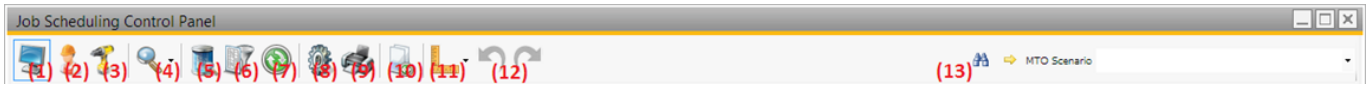
To use the 'Align allocations' function for work centers, adjust the *'JSCP align max days'* and *'JSCP align gap minutes'* options on the Prod. Order tab of Produmex Manufacturing Settings.

1.1.3. Rescheduling

To allow the automatic rescheduling of production orders in the case of shift day capacity shrunk, enable the *'Allow rescheduling Production Orders when shift day capacity is shrunk'* on the MRP tab of Produmex Manufacturing Settings. To enable the automatic align of child MTO orders, enable the *'AutoRoll child MTOs'* option in the MTO tab of Produmex Manufacturing Settings.

1.2. Configurations on the Job Scheduling Control Panel form

1.2.1. Header Buttons



(1) **Work Centers**: Use this button to show or hide work centers on the panel.
(2) **Employees**: Use this button to show or hide employees on the panel.
(3) **Tools**: Use this button to show or hide tools on the panel.
(4) **Period**: Select the time scale on the dropdown list. The possible values are:

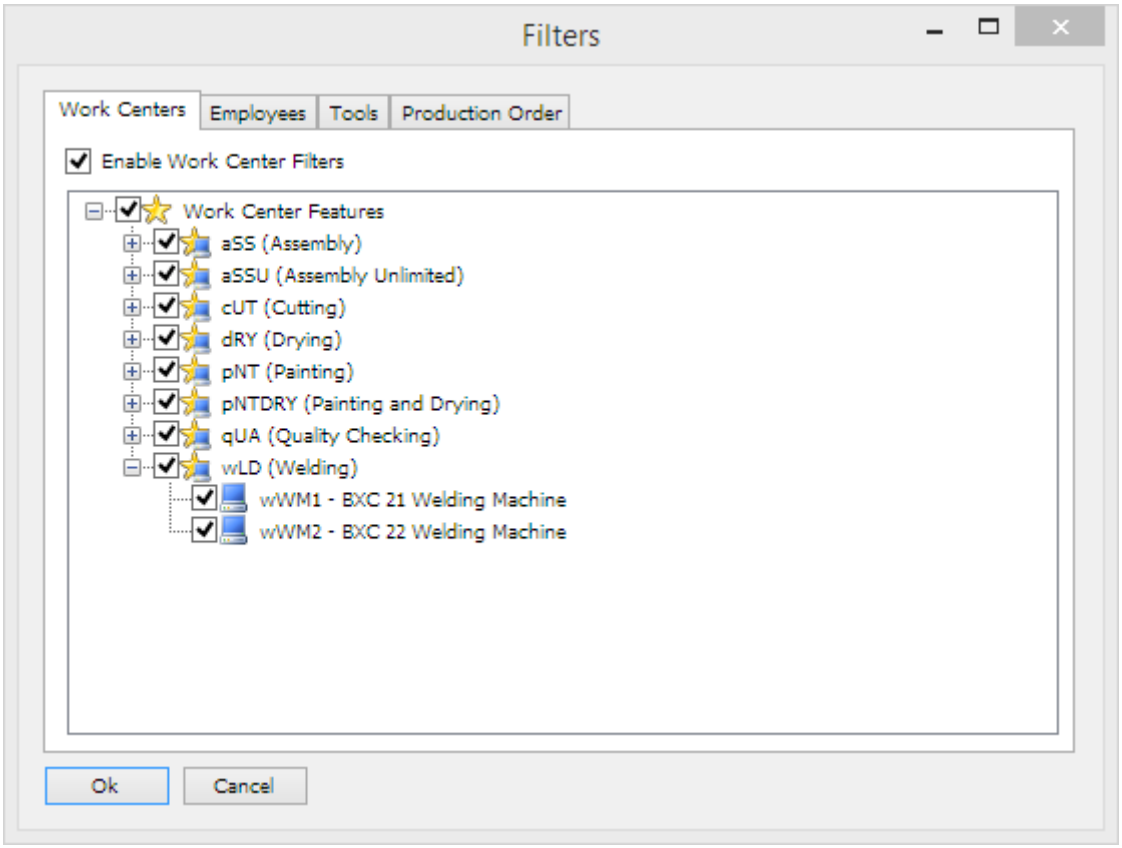
- 'Hourly': Days and hours are displayed on the time bar.
- 'Per shift': Days and shifts are displayed on the time bar.
- 'Daily': Only days are displayed on the time bar.
- On the bottom of the list the zoom percentage can be selected.

(5) **Query**: On the opening form the parameters of the panel can be set.

- *Data Source*: Select a data source. Possible values are:
  - Released: Only released production orders are displayed.
  - Released and Planned: Released, planned and recommended production orders are displayed.
  - MRP Recommendations: Select MRP scenario(s) from the list. The system will create and display an allocation simulation the planned production orders and the production order recommendations from the selected scenarios. Tick the 'Run MRP now' box and click on the 'Ok' button to run the MRP scenario(s).
- *Display Defaults*: Define the period to display on the 'Data From' – 'Data To' fields.

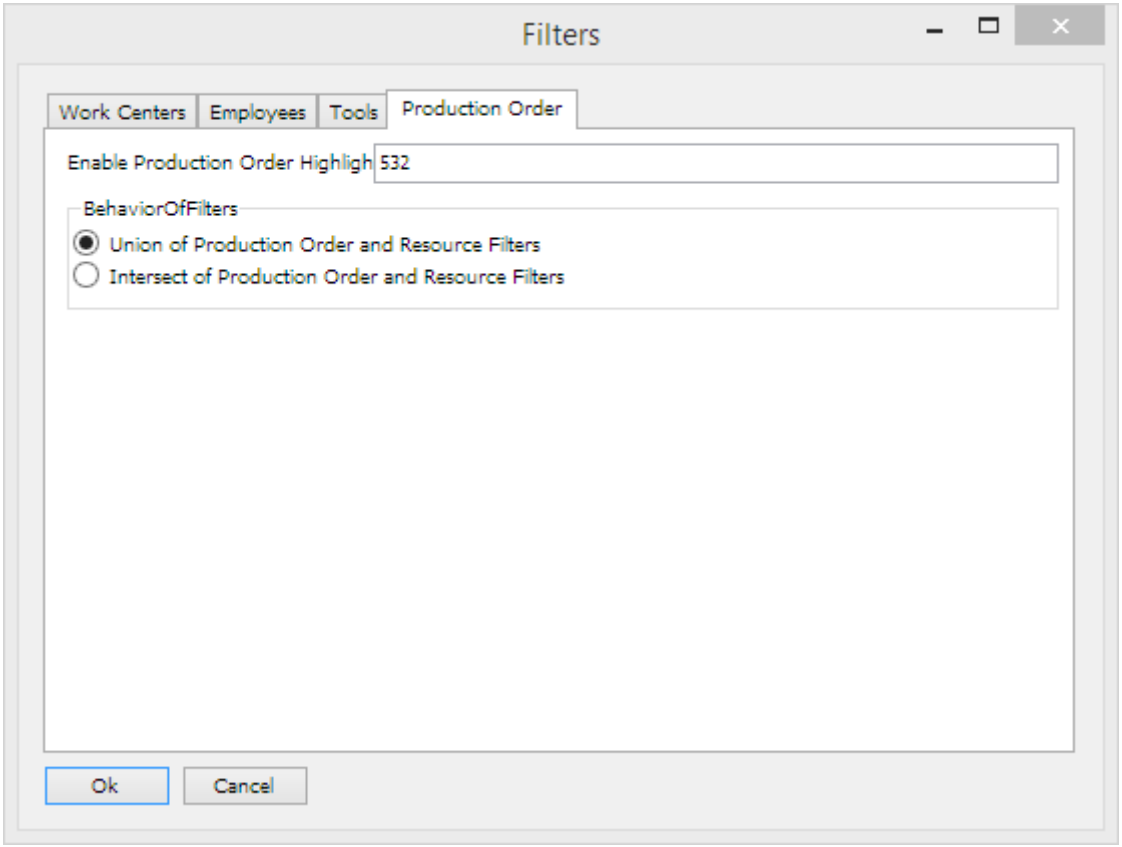
(6) **Filters**: Add filters to the panel on the Filters form.

- Enable the filters for resources on the corresponding tab and tick the features or resources to display on the data tree.

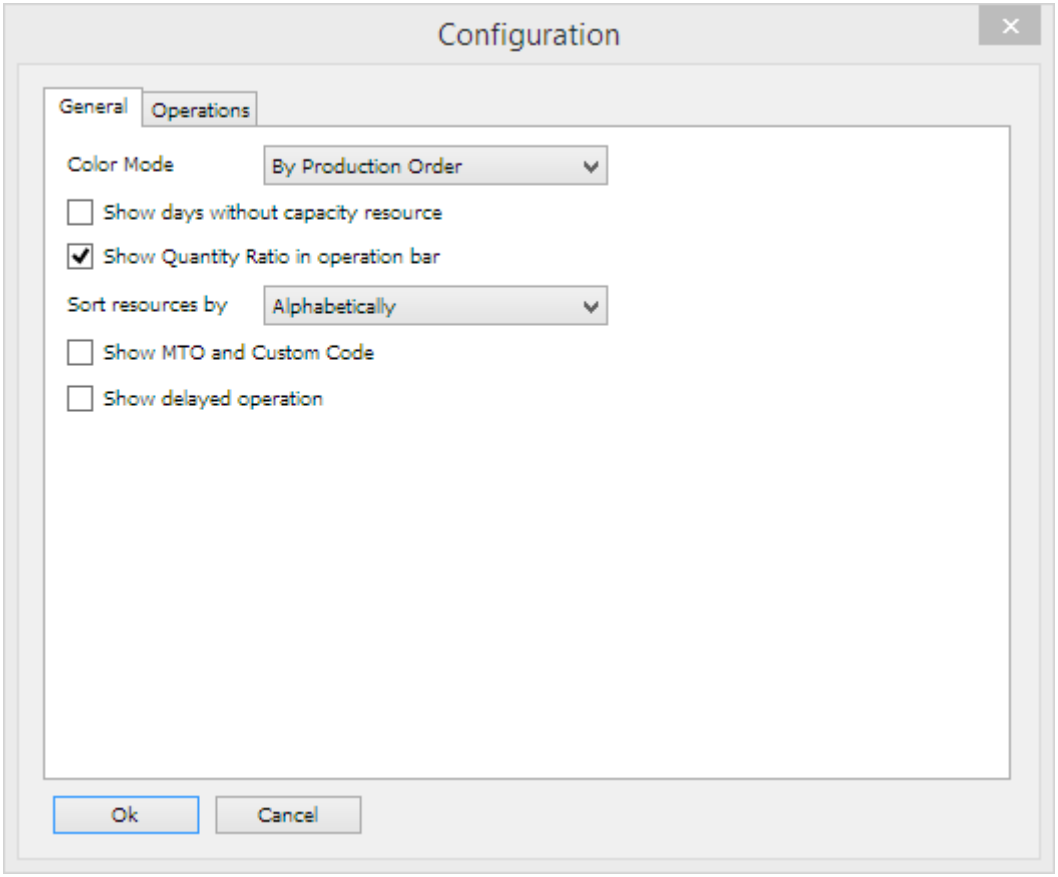


- On the 'Production Order' tab, filter the panel based on the production order.
  Add the production order number to the 'Enable Production Order Highlight' textbox. The selected production order will be highlighted on the panel.
  The 'Behavior of filters' setting defines the displayed resources. Possible values:
  - Union of Production Order and Resource Filters: Resources that meet either for resource or for production order filter criteria will be displayed.
  - Intersect of Production order and Resource Filters: Only resources that meet both

resource and production order filters will be displayed.

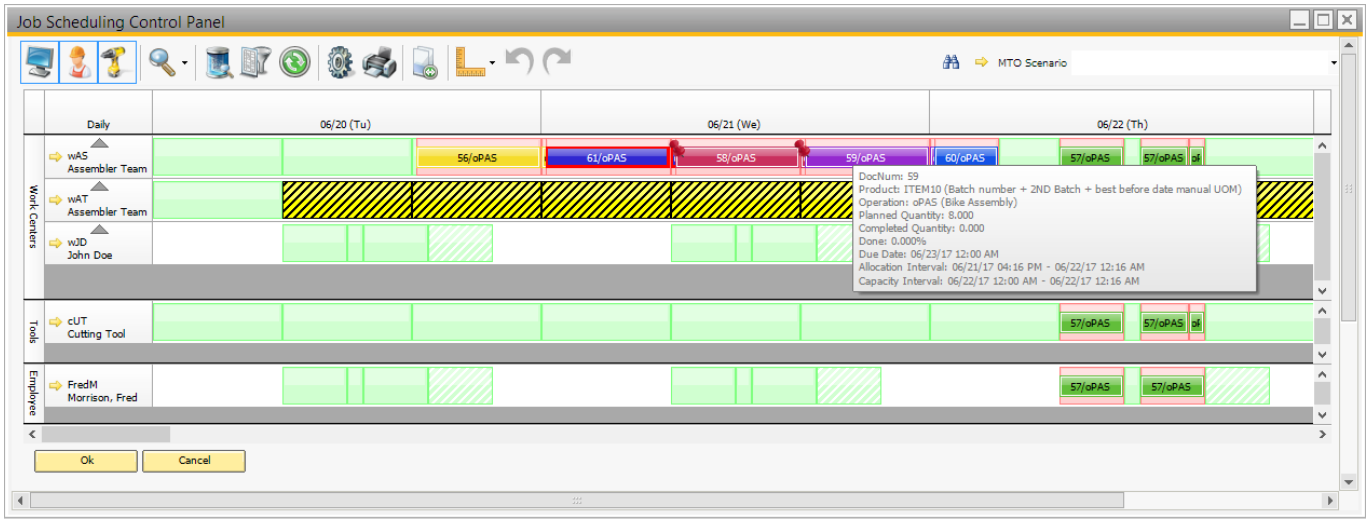


(7) **Refresh**: Click on the button to redraw the panel by reloading data from the database.
(8) **Options**: Click on the button to open the 'Configurations' form.



- On the ‘General’ tab the general displaying configurations can be set.
  On the control panel operations are alternated with color. With the ‘Color Mode’ setting the base of the color grouping can be defined. Possible values: By production order, By product, By project, By MTO Scenario.
    - Show days without capacity resource: If enabled, days without capacity resources will be displayed on the panel as well.
    - Show Quantity Ratio in operation bar: If enabled, quantity ratios are shown in the operation bar.
    - On the ‘Sort resources by’ dropdown textbox the sorting type of the resources can be selected.
        - First allocation: Resources will be ordered in the allocation time sequence.
        - Alphabetically: Resources will be ordered alphabetically.
    - Show MTO and custom code: If checked, the MTO scenario code and the custom code is displayed on the operation label instead of the document number.
- Show delayed operation checkbox: If enabled, when the begin or the end date/time of an allocation is later than the production order’s due date, the allocation will be highlighted with a red frame.

- On the ‘Operations’ tab the displaying options of the operations can be set.
    - Operation label: Defines the labeling on the operation bar. The operation label also determines the document opening after a double-click on the operation.
        - Document Number: The production order will open.
        - Document Number- Operations Code: The production order and the production order operation details will open.
        - Please note: In the case of recommended orders, instead of the production order and/or the operation details form, the BoM will open when the operation label is ‘Document Number’ or ‘Document Number – Operations Code’.
        - Product Code: The Item Master data of the main product will open.
    - Tool Tip: Select the data to show on the hover box. Only the data checked will be displayed.



(9) **Print**: Set the printing options on the opening form.
(10) **Feed to Management Cockpit**: Click on the button to see the production orders linked to the displayed operations on the Production Management Cockpit.
(11) **Timescale**: Set the timescale for drag and drop. The following periods can be set: day, hour, half

an hour, 20 minutes, 15 minutes, 10 minutes, 5 minutes, 1 minute. The Timescale setting defines how the start time of the dropped allocation is rounded.
(12) **Undo/ Redo**: Click on the left arrow to undo a drag&drop action. Click on the right arrow to redo an undone drag&drop action. After updating, the action cannot be undone. Only active if the 'Enable drag & drop in Job Scheduling Control Panel' option is enabled on Produmex Manufacturing Settings.
(13) **MTO Scenario**: Choose MTO Scenario from a list. The selected scenario will be highlighted.

1.2.2. Resources

Work Centers: Click on the gray arrow to expand or collapse the row of the work center.

From the right-click menu on work center row the following displaying options can be selected:

- Select the *'Expand All'* option to expand every work center strip and to see the vertical operation labels. (On the vertical label the operation code and name, main product code and name are displayed.)
- Select the *'Collapse All'* option to collapse every work center row.
- Select the *'Zoom To Fit'* option to resize the work center section to the correct fit.

1.2.3. MTO message

When there is a discrepancy on the MTO chain, an additional section is displayed on the bottom of the form. The scenario code, the work center in concern, the time and the error message is displayed on a table.
When an MTO chain is highlighted, the order sequence is visualized with arrows. When there is a discrepancy, the arrow is red, otherwise it is white. Double-click on the message to highlight the MTO scenario and to see the arrow showing the scheduling issue.

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