

WHAT'S NEW

AXTENSION PRODUCTION PLANNING / 10.10.1.205 / 2025 H1

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Axtension® Production Planning

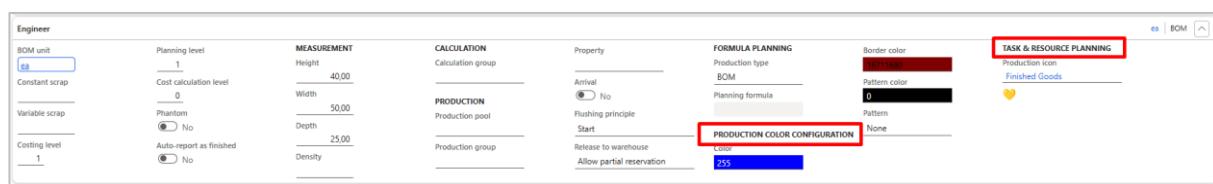
Configurable production icons and colors

Distinguished colors and icon can be assigned to released products and individual production orders for easy identification of a product and it's production order.

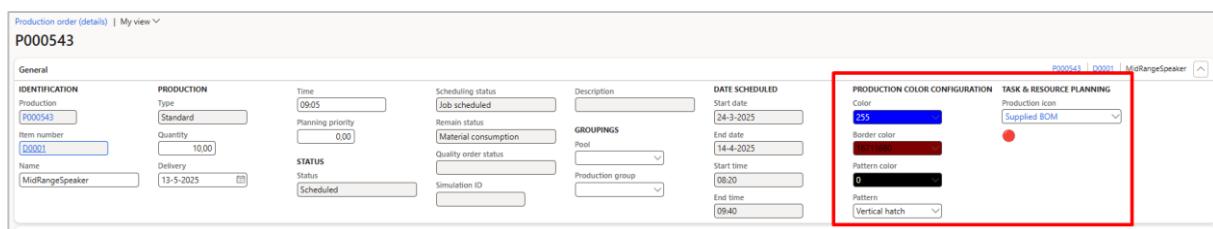
On a released product the following can be configured:

- Color of the bar
- The color of the bar border
- The desired pattern and color of the bar
- A specific icon for an item

On the “Engineer” fast tab on a released product the colors and icon can be configured:



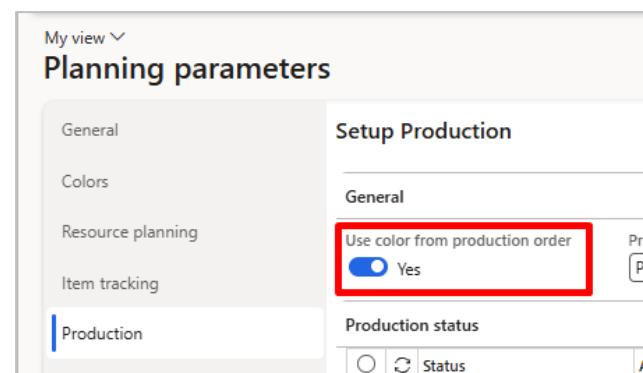
The defaults from a released product will be applied automatically on a new production order, but can be adjusted on the production order if needed:



Once applied the colors, pattern and icon will be shown in the resource planning.



To use the colors from released products and production orders the option “Use color from production order” needs to be enabled in the “Planning parameters” on the “Production” tab.



Icons can be added in the “Planning parameters” on the “Production” tab. Add a label and select the desired icon(s) from the predefined icon list.

My view ▾

Planning parameters

General

Colors

Resource planning

Item tracking

Production

Gantt control table setup

Planning properties

Number sequences

Setup Production

General

Production status

Job priority

Job types resource planning

Configure task information

Production icons

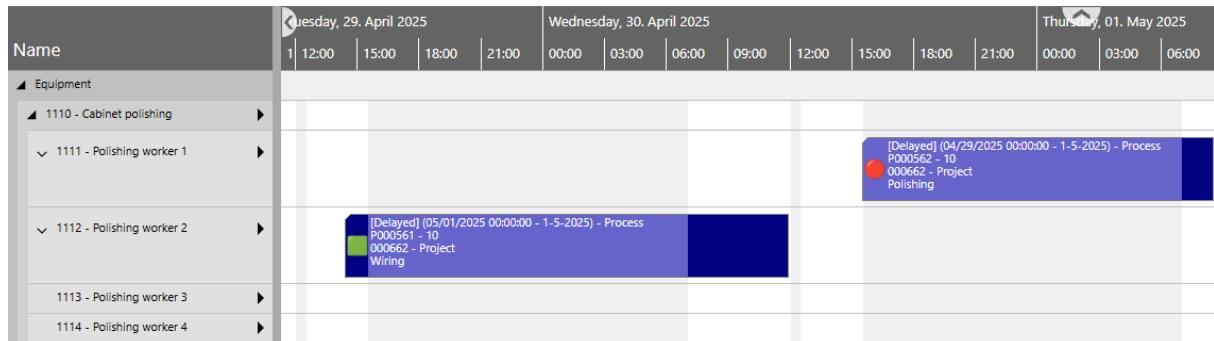
[+ New](#) [Delete](#)

	Name	Icon
<input type="radio"/>	BlueSquare	
<input type="radio"/>	Finished Goods	
<input type="radio"/>	GreenSquare	
<input type="radio"/>	Supplied BOM	
<input type="radio"/>	VIP	

After creating the production icon(s), the created production icon(s) can be selected on a released product and production order.

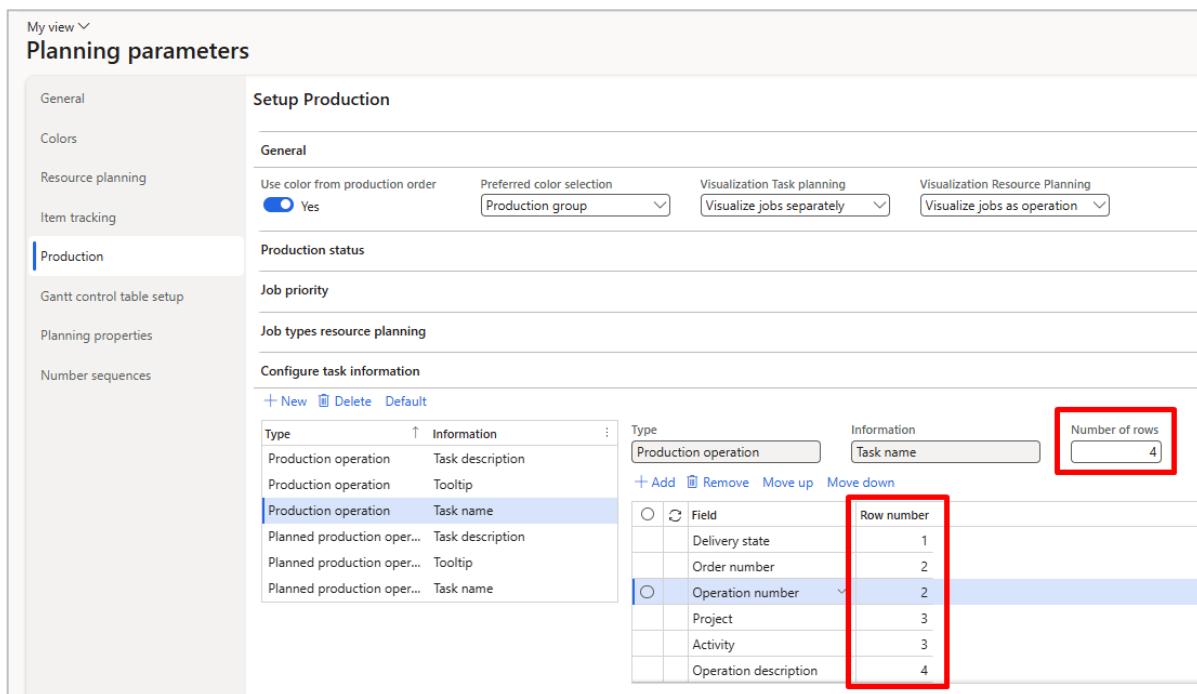
Increase row height in resource planning

To improve readability and comprehensibility of the operations and jobs information in the resource planning, it is now possible to set the numbers of rows on the task name and what information needs to be shown per row.



Configuring the operation and jobs information in the resource planning can be done in the “Planning parameters” on the “Production” tab.

To configure the number of rows and what information needs to be shown, select the “Production operation” or “Planned production operation” in the “Type” column and “Task name” in the “Information” column. The “Number of rows”, add the “Fields that need to be displayed and assign the “Row number” to determine the orders.

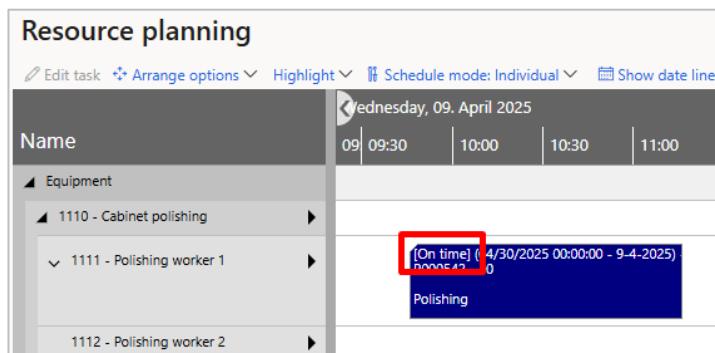


The screenshot shows the “Planning parameters” configuration screen under the “Production” tab. The left sidebar lists categories: General, Colors, Resource planning, Item tracking, Production (selected), Gantt control table setup, Planning properties, and Number sequences. The main area is titled “Setup Production” and contains sections for “General”, “Production status”, “Job priority”, “Job types resource planning”, and “Configure task information”. In the “Configure task information” section, there is a table with columns “Type”, “Information”, and “Number of rows”. The “Type” column lists “Production operation”, “Production operation”, “Production operation”, “Planned production oper...”, “Planned production oper...”, and “Planned production oper...”. The “Information” column lists “Task name”, “Tooltip”, “Task name”, “Task description”, “Tooltip”, and “Task name”. The “Number of rows” column contains a red box with the value “4”. Below this table is a “Fields” section with a table showing “Field” and “Row number” for “Delivery state” (Row 1), “Order number” (Row 2), “Operation number” (Row 2), “Project” (Row 3), “Activity” (Row 3), and “Operation description” (Row 4). The “Operation number” row is highlighted with a red box.

Delivery date control

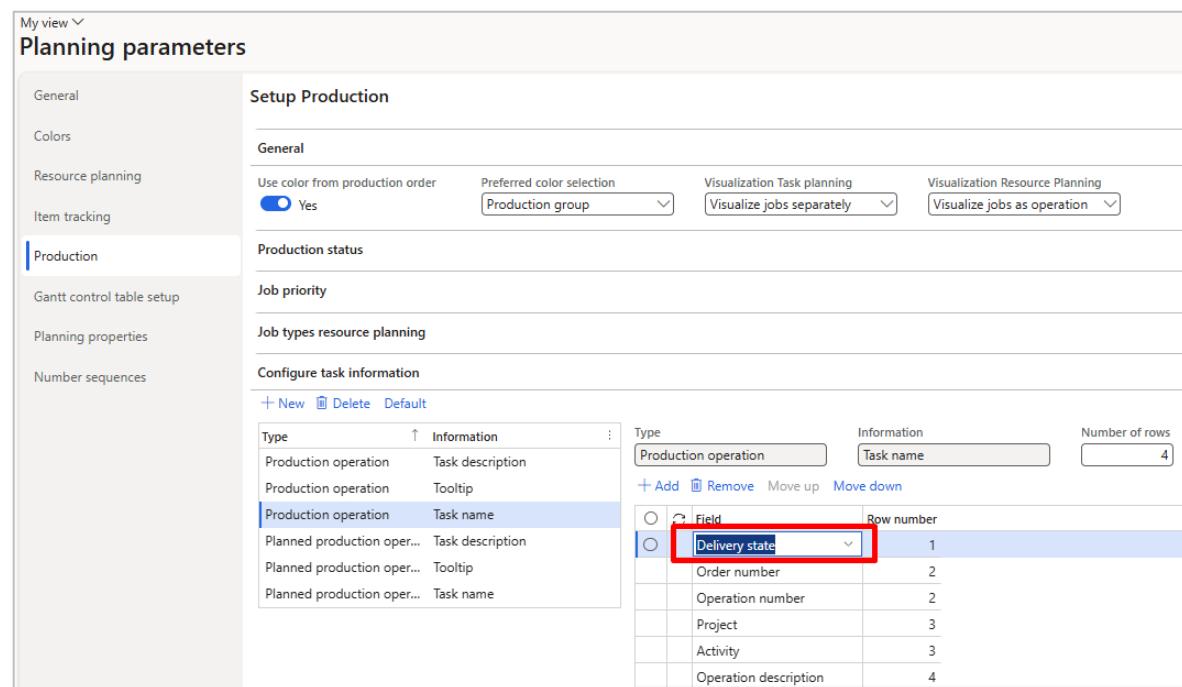
A new task information field is introduced called “Delivery state”.

The delivery state field shows the value “On time” or “Delayed”. If the production end date is scheduled before the first requirement date, it will be shown as **on time**. If scheduled after the first requirement date, it will be shown as **delayed**.



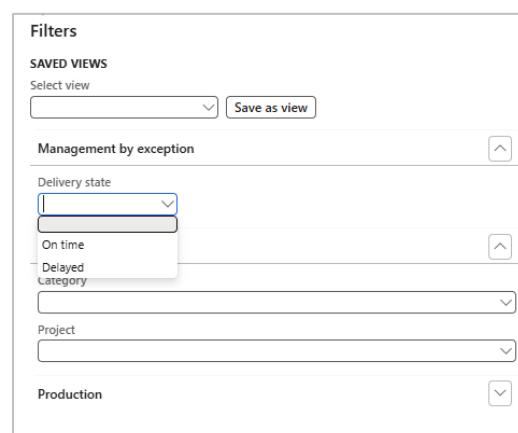
The screenshot shows a Gantt-style resource planning interface. On the left, a tree view lists resources: Equipment (1110 - Cabinet polishing, 1111 - Polishing worker 1, 1112 - Polishing worker 2). The main area shows a timeline from 09:30 to 11:00 on Wednesday, April 9, 2025. A task for 'Polishing' is selected, and its tooltip is highlighted with a red box, showing the text '[On time] (4/30/2025 00:00:00 - 9-4-2025)'.

This field can be used on the task description, tooltip and task name in the resource planning.



The screenshot shows the 'Planning parameters' setup screen under the 'Production' tab. In the 'Setup Production' section, there is a table for 'Configure task information'. The 'Type' column includes 'Production operation', 'Planned production oper...', and 'Delivery state'. The 'Information' column includes 'Task description', 'Tooltip', and 'Task name'. The 'Delivery state' row is highlighted with a red box. The 'Type' column for 'Delivery state' is set to 'Production operation' and the 'Information' column is set to 'Task name'. The 'Number of rows' is set to 4.

In addition, a new management by exception filter is introduced to filter production orders on the delivery state.

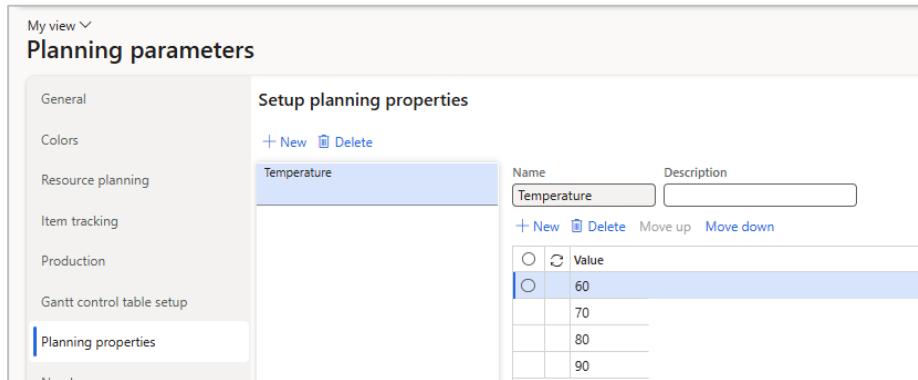


The screenshot shows the 'Management by exception' filter configuration screen. The 'Delivery state' filter is set to 'On time'. Other filters include 'Delayed category', 'Project', and 'Production'.

Sequence operations based on properties

To optimize operation sequencing, it is now possible to setup planning properties which can be assigned to specific operations of a released product route. By setting such planning properties, operations can be clustered in a production simulation to optimize a resource utilization by avoiding redundant setup times. An example could be a required oven temperature for an operation.

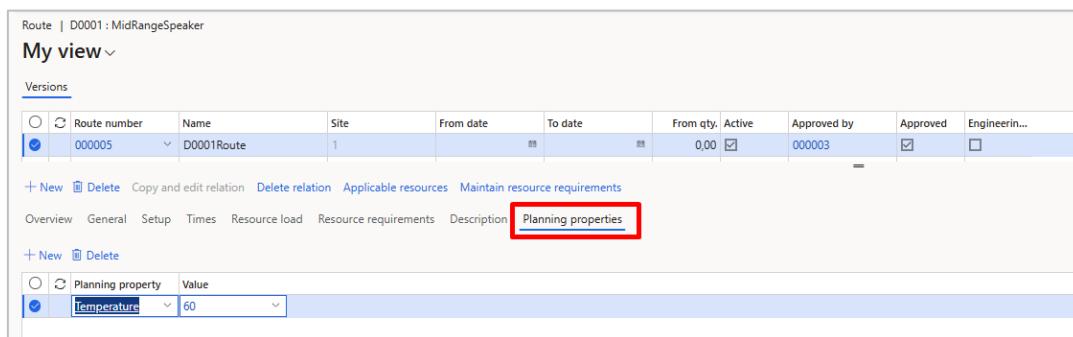
First step is to define a planning property with its values and the order of the values, which will define how the operations are sequenced. The planning properties can be configured in the “Planning parameters” on the “Planning properties” tab.



Name	Description
Temperature	

Value
60
70
80
90

Once a planning property has been set up, the route of a released product can be configured by assigning a planning property to one or more operations. This can be done by navigating to the “Planning properties” tab on an operation.



Planning property	Value
Temperature	60

Next step is to apply the planning property to either a resource group or individual resources.

On the resource group and resource, a new fast tab “Resource properties and values” is added. The required planning property or planning properties can be selected while also having the ability to finetune the values in the correct order.

My view ▾

Resources

Resource	Description	Type
1111	Polishing worker 1	Human resources

General

Operation Std | 0,00 | -- | --

Calendars

Capabilities

Resource groups

Ledger postings

Financial dimensions

Resource properties and values

+ New  Move up Move down  Update values Move up Move down ...

<input type="radio"/>	<input type="radio"/>	Planning property
<input checked="" type="radio"/>	<input type="radio"/>	Temperature

<input type="radio"/>	Value
<input type="radio"/>	60
	70
	80
	90

Once a planning property is assigned to a resource group or resource, a new arrange option will become available in a production simulation.

Name May 2025
Wk 18

- Equipment
- 1110 - Cabinet polishing
- 1111 - Polishing worker 1

Schedule next
Optimize (highlighted with a red box)
Cluster
Arrange options >

Selecting “Optimize“ will show a form in which the user can:

- Select the period in which operations need to be optimized
- Starting date from which operations will be scheduled forward
- Ability to reschedule the whole order of affected operations

After selecting “Ok”, operations in the defined period are rescheduled following the planning property order as defined on the resource group/resource.

Rescheduled operations are also automatically added to a cluster in the simulation for easy identification of optimized operations.

Publishing the simulation will ultimately update the new schedule for the rescheduled operations.

Standard view ▾

Optimize resource

RESOURCE

Resource
1111

Description
Polishing worker 1

OPTIMIZE RESOURCE IN PERIOD

From date
19-5-2025 

To date
20-8-2025 

SCHEDULE

Schedule forward from

Schedule order
 No

