



WHAT'S NEW

EXTENSION PRODUCTION PLANNING / 10.10.1.205 / 2025 H1

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Table of Contents

Axtension® Production Planning **4**

Configurable production icons and colors.....4

Increase row height in resource planning.....6

Delivery date control.....7

Sequence operations based on properties8

Axtension® Production Planning

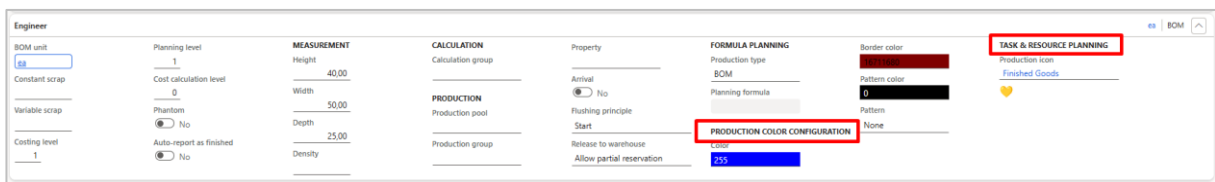
Configurable production icons and colors

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.

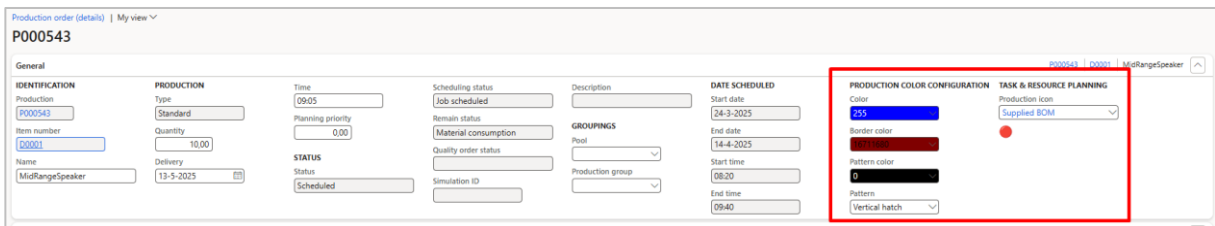
On a released product the following can be configured:

- 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:



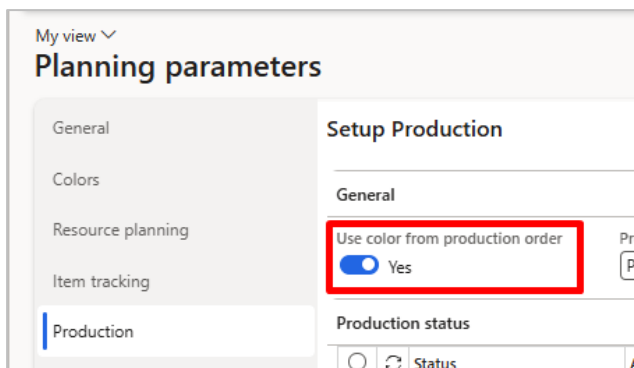
The defaults from a released product will be applied automatically on a new production order, but can be adjusted on the production order if needed:




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

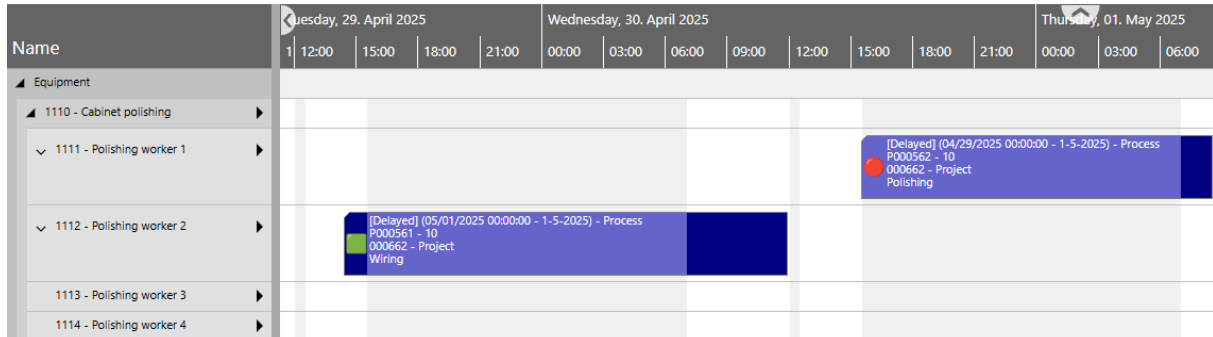
+ New  Delete

	 Name	↑	Icon
<input checked="" 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.

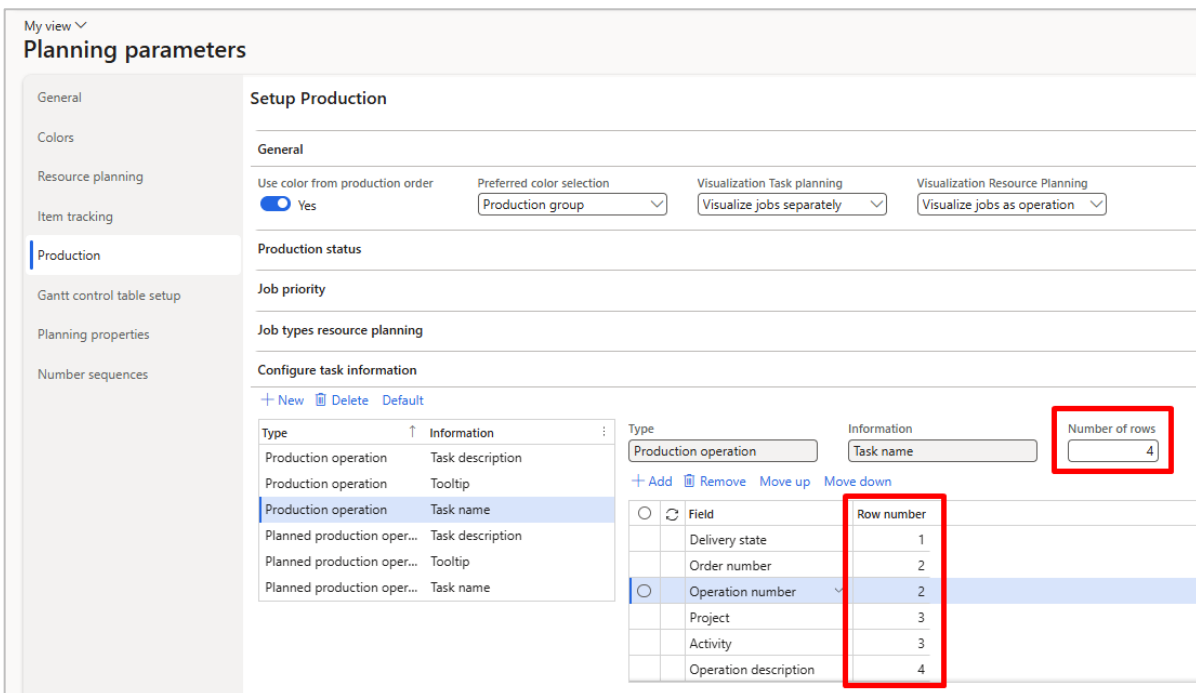
Increase row height in resource planning

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 for 'Production'. The left sidebar lists various settings: 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 includes sections for General, Production status, Job priority, Job types resource planning, and Configure task information. In the 'Configure task information' section, there are two tables. The first table has columns 'Type' and 'Information'. The second table has columns 'Field' and 'Row number'. The 'Number of rows' field is set to 4. The 'Field' table lists: Delivery state (1), Order number (2), Operation number (2), Project (3), Activity (3), and Operation description (4). The 'Operation number' row is highlighted.

Type	Information
Production operation	Task description
Production operation	Tooltip
Production operation	Task name
Planned production operation	Task description
Planned production operation	Tooltip
Planned production operation	Task name

Field	Row number
Delivery state	1
Order number	2
Operation number	2
Project	3
Activity	3
Operation description	4

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**.

Resource planning					
Edit task Arrange options Highlight Schedule mode: Individual Show date lines					
Wednesday, 09. April 2025					
Name	09	09:30	10:00	10:30	11:00
Equipment					
1110 - Cabinet polishing					
1111 - Polishing worker 1	<div> <div>(On time) (4/30/2025 00:00:00 - 9-4-2025)</div> <div>Polishing</div> </div>				
1112 - Polishing worker 2					

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

My view
Planning parameters

General
 Colors
 Resource planning
 Item tracking
Production
 Gantt control table setup
 Planning properties
 Number sequences

Setup Production

General

Use color from production order ☒ Yes
 Preferred color selection Production group
Visualization Task planning Visualize jobs separately
Visualization Resource Planning Visualize jobs as operation

Production status

Job priority

Job types resource planning

Configure task information

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

Type	Information
Production operation	Task description
Production operation	Tooltip
Production operation	Task name
Planned production oper...	Task description
Planned production oper...	Tooltip
Planned production oper...	Task name

Type Production operation Information Task name Number of rows 4

+ Add [Remove](#) [Move up](#) [Move down](#)

Field	Row number
Delivery state	1
Order number	2
Operation number	2
Project	3
Activity	3
Operation description	4

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

Filters

SAVED VIEWS

Select view [Save as view](#)

Management by exception

Delivery state

On time
 Delayed
 Category

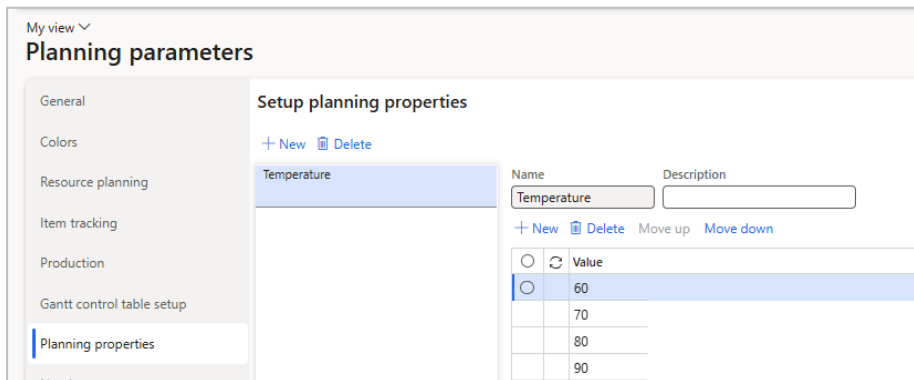
Project

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.



My view ▼

Planning parameters

General

Colors

Resource planning

Item tracking

Production

Gantt control table setup

Planning properties

Setup planning properties

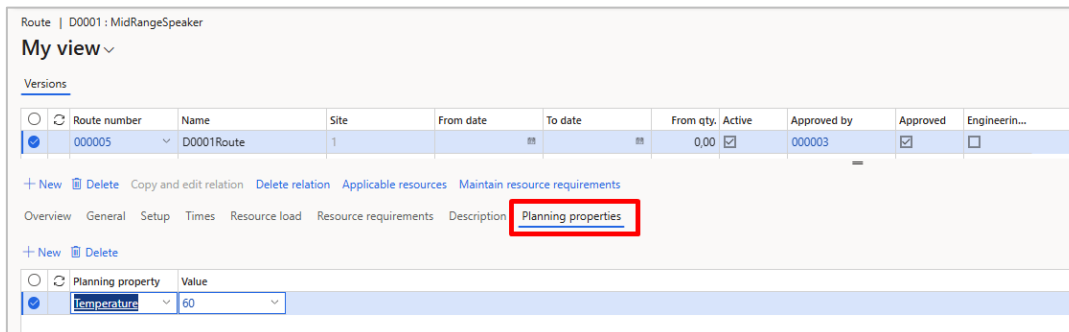
+ New 🗑️ Delete

Name	Description
Temperature	

+ New 🗑️ Delete ⬆️ Move up ⬆️ Move down

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.



Route | D0001 : MidRangeSpeaker

My view ▼

Versions

Route number	Name	Site	From date	To date	From qty.	Active	Approved by	Approved	Engineer...
000005	D0001Route	1			0,00	<input checked="" type="checkbox"/>	000003	<input checked="" type="checkbox"/>	<input type="checkbox"/>

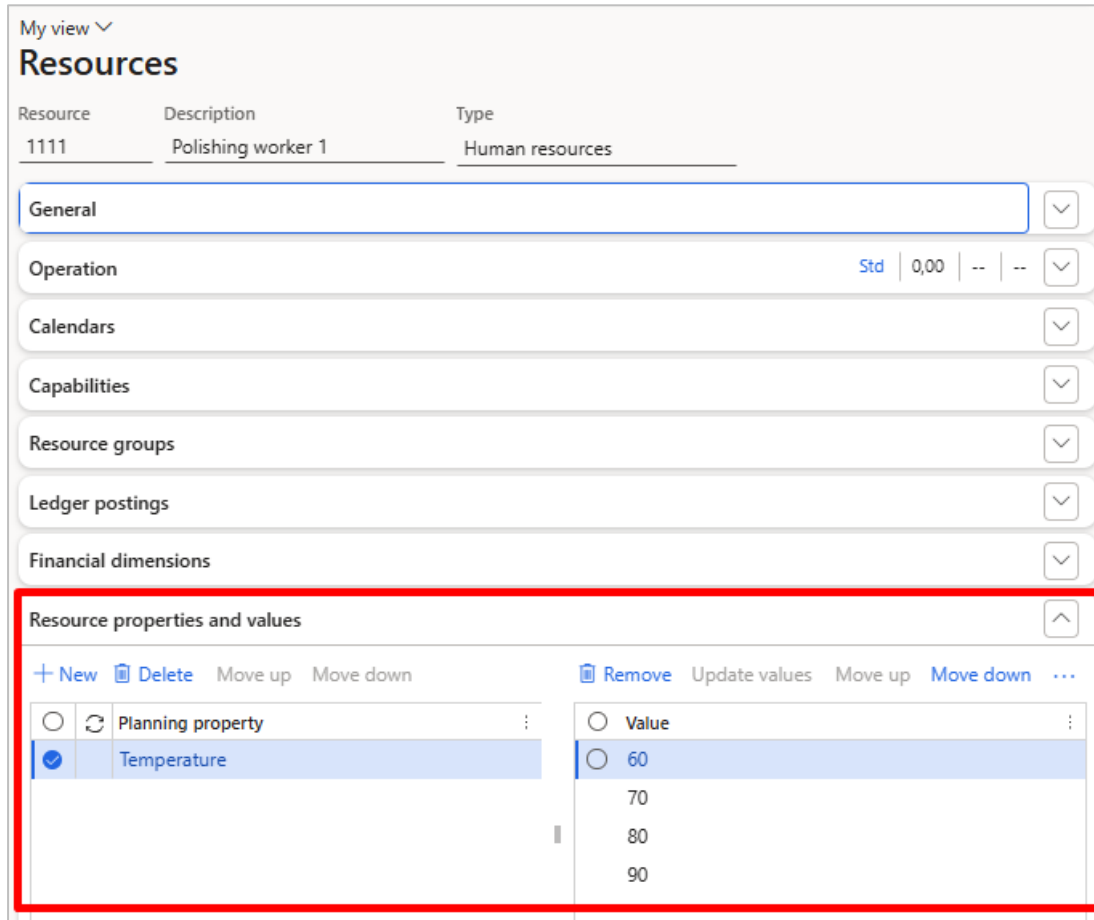
+ New 🗑️ Delete 🔗 Copy and edit relation 🗑️ Delete relation 🔗 Applicable resources 🔗 Maintain resource requirements

Overview General Setup Times Resource load Resource requirements Description **Planning properties**

+ New 🗑️ Delete

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.



The screenshot shows the 'Resources' interface with a table listing resources. The 'Resource properties and values' tab is highlighted with a red border. Below the tab, there are two columns: 'Planning property' and 'Value'. The 'Planning property' column has a dropdown menu with 'Temperature' selected. The 'Value' column has a dropdown menu with '60' selected. The 'Temperature' property is also highlighted with a blue background.

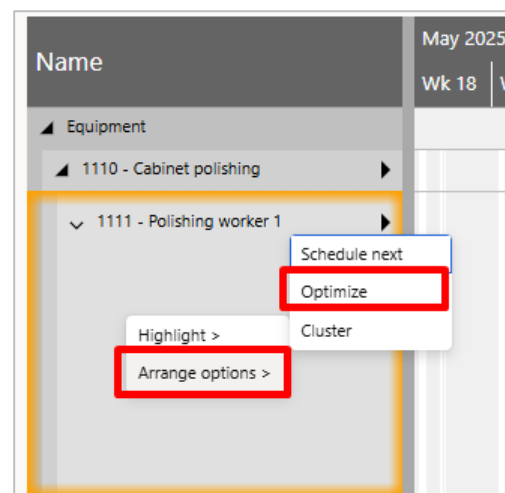
Resource	Description	Type
1111	Polishing worker 1	Human resources

Resource properties and values

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

Planning property	Value
Temperature	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.



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

Description

OPTIMIZE RESOURCE IN PERIOD

From date

To date

SCHEDULE

Schedule forward from

Schedule order
☒ No