Jobs

11.2

February 2026

scheduling

Jobs

Schedule Scenario Jobs form the basic blocks of the scheduling functionality, representing the processing of a Material at Step in its Flow.

Schedule Scenario Job

A Schedule Scenario Job is a planning entity that represents the future execution of a particular Material. As such, it contains planning information such as:

- Resource
- Planned Quantity
- Planned Start Date
- Planned End Date
- Planned Setup Time
- Planned Duration

In addition to the planning properties, other properties are also present in the Schedule Scenario and are used to record the execution of the Job:

- Actual Start Time
- Actual End Time
- Actual Duration

This is the graphical representation of a typical Schedule Scenario Job in a Schedule Scenario.
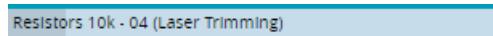
Resistors 10k - 04 (Laser Trimming)

This graphical representation gives out several details about the Schedule Scenario Job. The start of the job corresponds to the Planned Start Date, while the end corresponds to the Planned End Date. The entire span of the job corresponds to the Planned Duration, with the greyed portion corresponding to the Planned Setup Time and the lighter portion to the Planned Process Time.

Besides this general information, a Schedule Scenario Job also gives a graphical indication to the type of Material it refers:
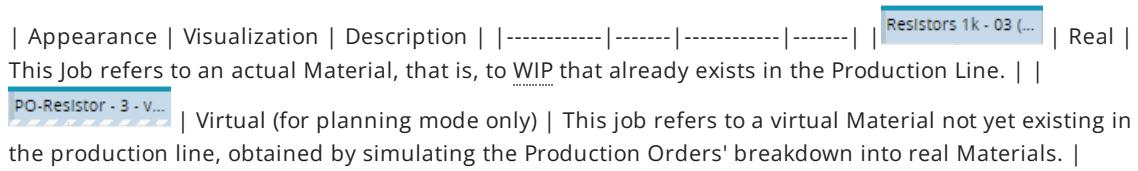
| Appearance | Visualization | Description | |------------|-------|-----------|-------| | Resistors 1k - 03 (... | Real | This Job refers to an actual Material, that is, to WIP that already exists in the Production Line. | | PO-Resistor - 3 - v... | Virtual (for planning mode only) | This job refers to a virtual Material not yet existing in the production line, obtained by simulating the Production Orders' breakdown into real Materials. |

Table: Graphical representation of the Material in a Schedule Scenario Job

Since the Schedule Scenario Job tracks the execution of the Steps for the associated Material, its graphical representation in the Schedule changes as the execution carries on, as can be seen in the next table.

Appearance	State	Conditions	Start	End	Length
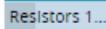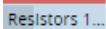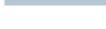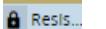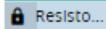
Appearance	State	Conditions	Start	End	Length
Resistors 1...	Scheduled	Scenario has been released, Material has not yet arrived at Step	Planned Start Date	Planned End Date	Planned Duration
Resistors 1...	Ready	Scenario has been released, Material has arrived at Step	Planned Start Date	Planned End Date	Planned Duration
Resistors 10k	Setup Complete	Scenario has been released, Material has been setup for process at a Resource	Planned Start Date	Planned End Date	Planned Duration
Resis...	InProgress	Material has been tracked-in at Step	Actual Start Date	Actual Start Date + Planned Duration	Planned Duration
Resisto...	Completed	Material has been tracked-out from Step	Actual Start Date	Actual End Date	Actual Duration

Table: Graphical representation of job execution tracking

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