Critical manufacturing
an ASM PT company

Tutorial: Start Materials Creation

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Tutorial: Start Materials Creation

Copy Page

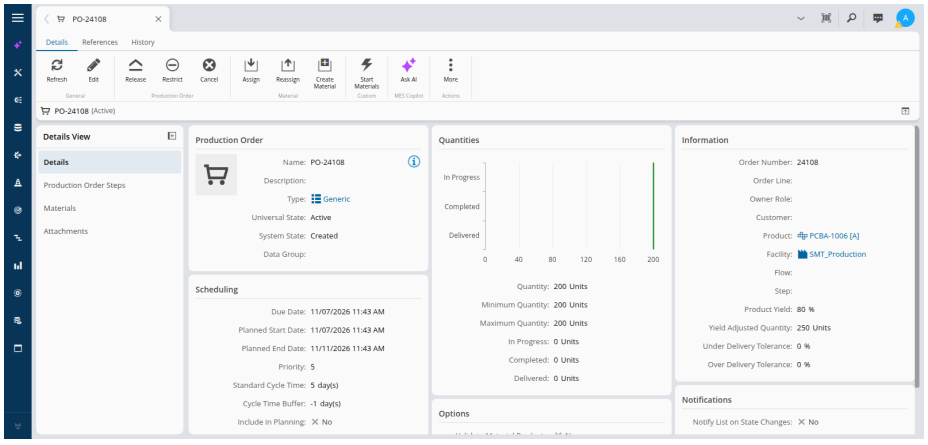
Estimated time to read: 2 minutes

Objective

Learn how to start materials for a Production Order, ensuring they are correctly created or assigned and aligned with production requirements.

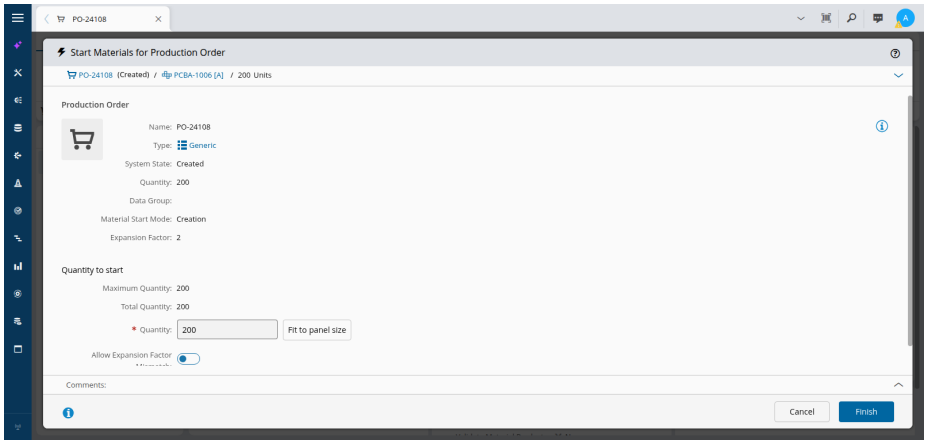
Step 1: Select the Production Order

- Navigate to **Production Orders**
- Open the Production Order where you want to start materials



Step 2: Start Materials

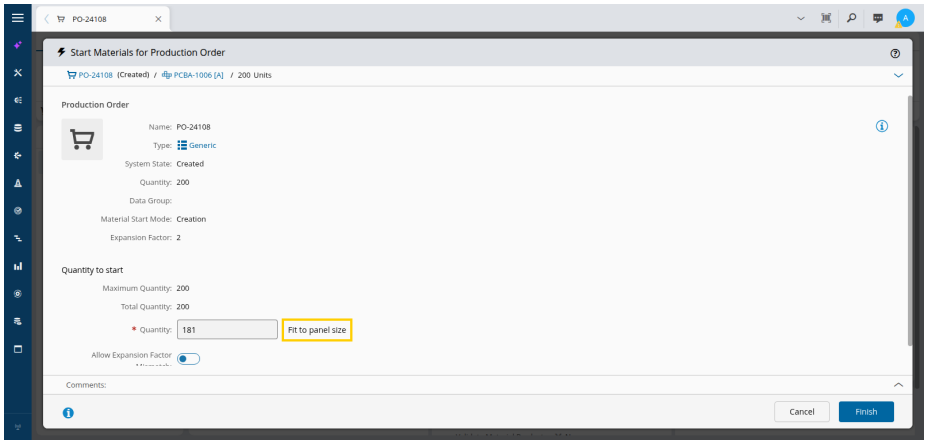
- Click the **Start Materials** action
- The material start wizard will open



Step 3: Define Material Quantity

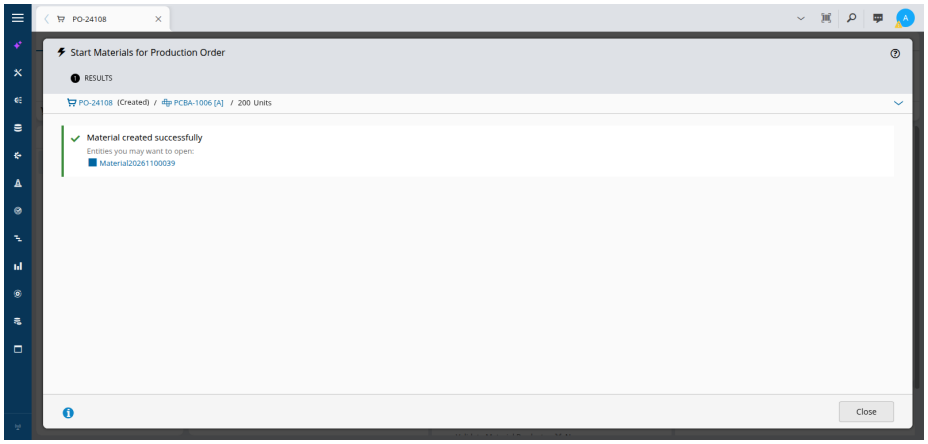
- Enter the quantity to be created or assigned
- Adjust quantity based on production constraints:
  - Use **Fit to panel size**
    - Automatically adjusts quantity to match valid multiples based on the expansion factor
  - Use **Allow mismatch with expansion factor**
    - Enabled: allows any quantity
    - Disabled: only valid multiples of the expansion factor are allowed

> Available from SMT Template version 3.4.0 onwards



Step 4: Confirm Material Creation / Assignment

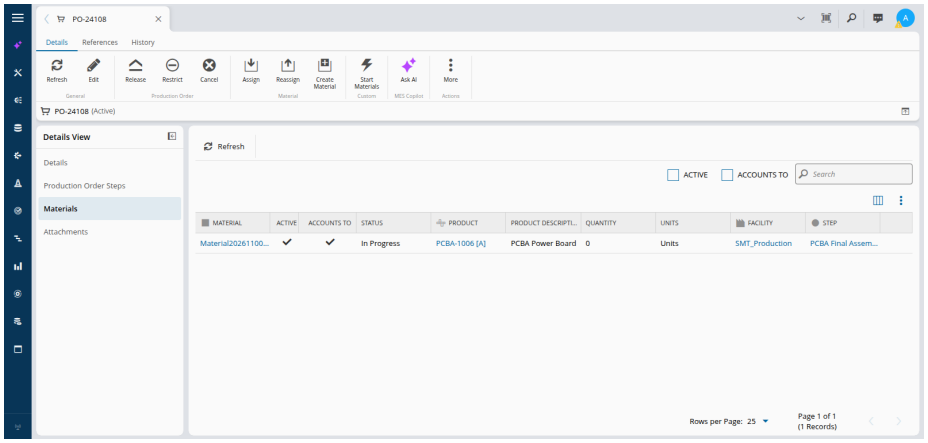
- Review the information in the wizard
- Click **Finish**
- A confirmation message is displayed indicating success



Step 5: Validate Result

- Return to the Production Order
- Confirm that:

- The material is now listed under the Production Order
- The material state is **Active**



Expected Result

- Materials are successfully created or assigned to the Production Order
- Materials are set to **Active**
- The Production Order **Completed Quantity remains unchanged**

Frequent Configuration Questions

Why can't I start materials for a Production Order?

Verify that the user has the required permission:

- `SMT.StartMaterialsForProductionOrder`

Why is the generated quantity incorrect?

Review the configuration of:

- The expansion factor settings.
- The expansion factor toggle and its intended behavior.

Why is the "Fit to Panel Size" option not working?

Ensure that the form configured in `/SMT/StartMaterialsForProductionOrder/Form/` matches the form configured in the `SMTMaterialExpandContext` Smart Table.

Why are materials not being created?

Validate the product configuration and confirm that the `MaterialStartMode` attribute is correctly defined.

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