Critical manufacturing
an ASM PT company

Tutorial: Material Baking

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Tutorial: Material Baking

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Estimated time to read: 2 minutes

Objective

Learn how to configure, execute, and monitor material baking to reset floor life.

Step 1: Enable Feature

- Go to system configuration
- Set:
  - `/SMT/MaterialBaking/IsEnabled = True`

Step 2: Configure Baking Oven

- Navigate to **Resources**
- Select or create a resource
- Set:
  - `SMTIsBakingOven = true`
  - `SMTBakingOvenType` = appropriate value

Step 3: Configure Product Attributes

- Open the product, create a new version and set the following Product Characteristics:
  - `SMT Body Thickness`
  - `SMT Is BGA`

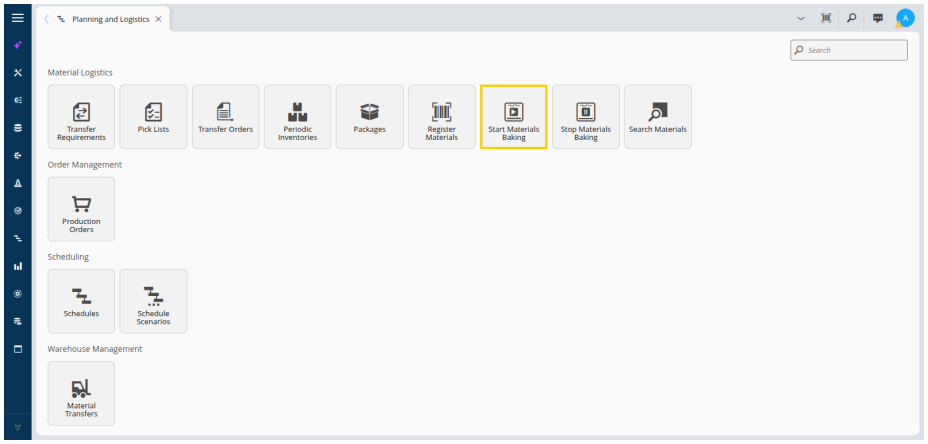
These are required for baking time calculation.

Step 4 (Optional): Configure Rebake Limits

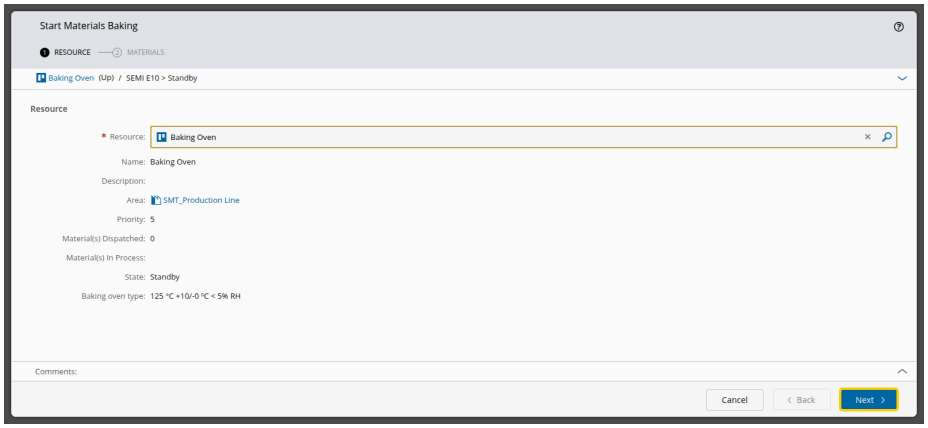
- On the product:
  - Set `SMTDefaultNumberOfRebakes`
- On the material (if needed):
  - Override `SMTRebakesLeft`

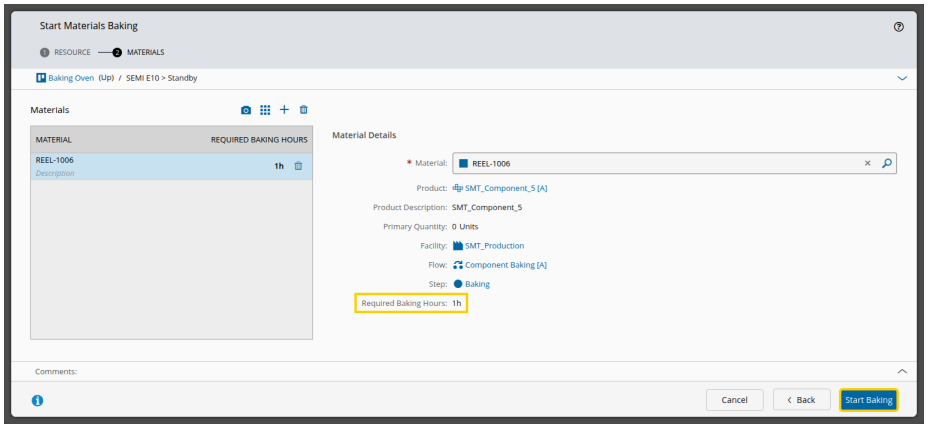
Step 5: Start Materials Baking

- Go to **Planning and Logistics** and Select **Start Materials Baking**



- Select:
  - Baking oven
  - Materials to bake

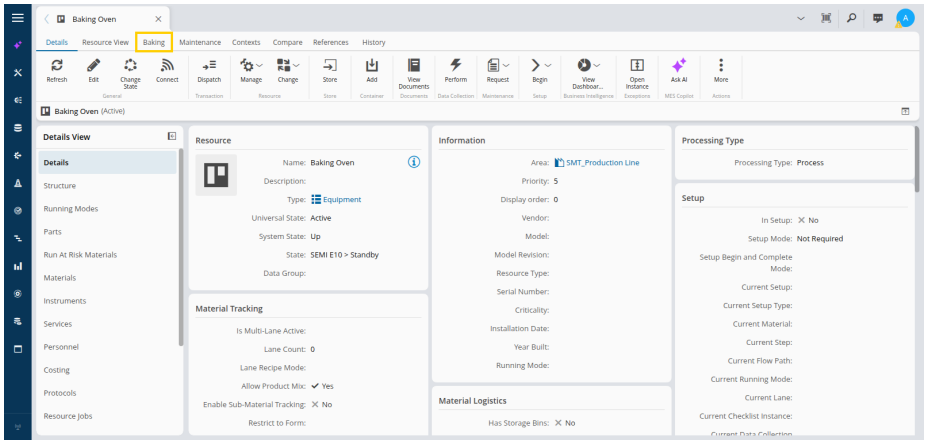




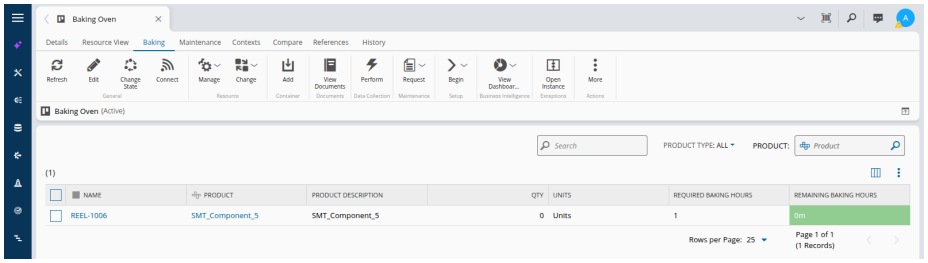
- Review the required baking time per material
- Click **Start Baking**

Step 6: Monitor Baking

- Open the baking oven resource and access the **Baking View**

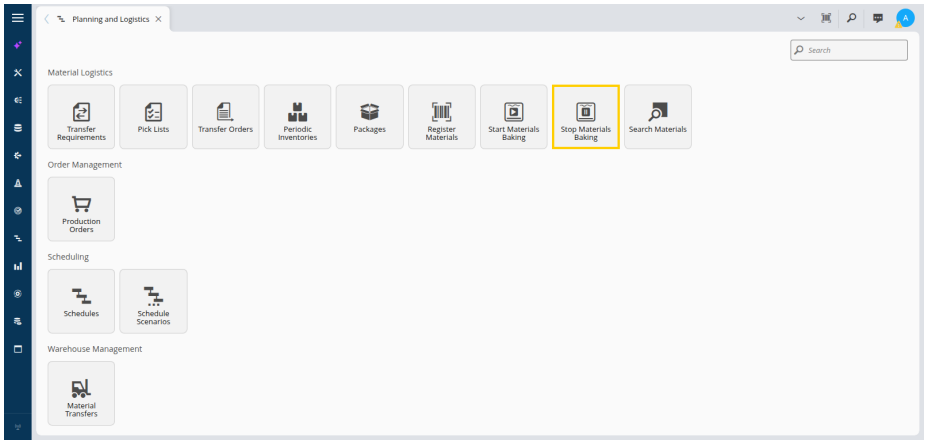


- Track:
  - Materials in oven
  - Remaining baking time
- Identify completion:
  - Remaining time reaches 0

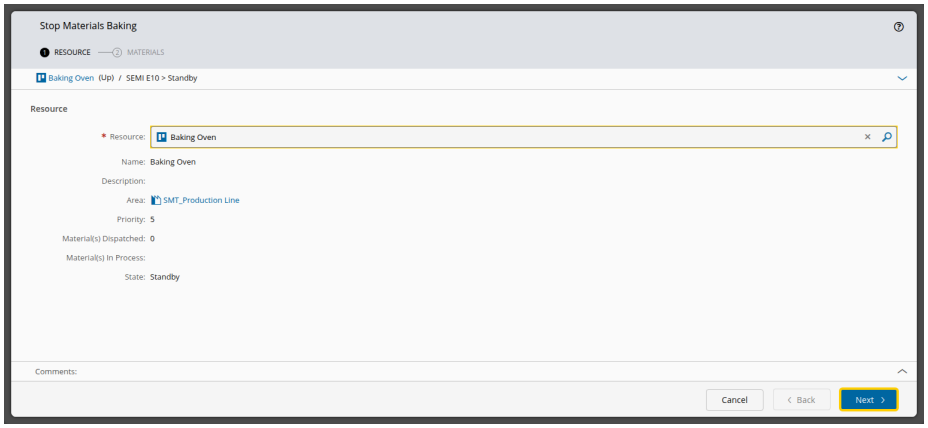


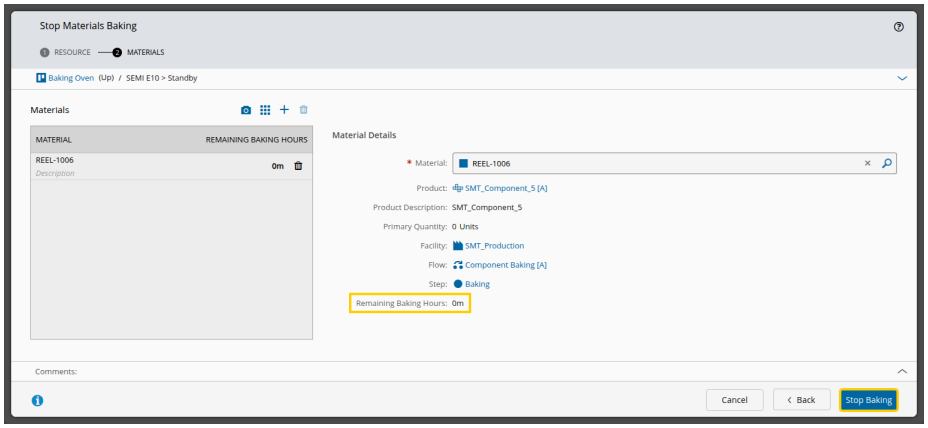
Step 7: Stop Materials Baking

- Go to **Planning and Logistics** and select **Stop Materials Baking**



- Select:
  - Baking oven
  - Materials to remove





- Click **Stop Baking**

Expected Result

- Materials completing required baking:
  - Have floor life reset (if configured)
- Materials removed early:
  - Do not have floor life reset

Frequent Configuration Questions

Why can't I move material manually?

Material movement related to baking must be performed using the baking wizards. Manual movement is not supported.

Why is the calculated baking time incorrect?

Verify the following:

- The product attributes are correctly configured.
- The baking table configuration is valid and up to date.

Why is the floor life not being reset?

Check the relevant configuration flags and ensure they are enabled as expected.

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