

Master Section

Module Guide: Master Section

Module Location

Settings > Production > Master Section

Module Purpose

The **Master Section** module is used to define work areas or functional stages on the production floor. Each "section" represents a center of activity where a group of specific production operations or activities are carried out. This module plays a key role in grouping production activities, which later becomes the basis for creating **Routing** (process flow) and defining **Work Centers**.

1. Main View (Section List)

The main page displays a list of all production sections registered in the system.

View Explanation

- **Filter:** Allows a quick search for a specific section by **Section Code**.
- **Section List Table:**
 - **Section Code:** A unique code for each section (e.g., `BPR0`, `WPRO`, `CPR0`).

- **Section Name:** A descriptive name for the area or function (e.g., Biscuit Production, Wafer Production).
- **Section Activities:** Displays the list of production activities conducted within the section.
- **Action Buttons:**
 - **Add Section:** Opens the form to create a new section.
 - **Delete Section:** Deletes the selected section.

2. Add Section Page

This form is used to define a new section and allocate which activities belong to it.

View Explanation

- **Code, Name, & Description:** Fields to define the section's identity and explanation.
- **Activities:** This is the core feature of the module. There are two list boxes:
 - **Left Box:** Displays all available activities from the **Activity Master**.
 - **Right Box:** Displays the activities that have been selected to be part of the section being created.
- **Buttons >> and <<:** Used to move activities from the available list to the allocated list, and vice versa.

- **Action Buttons:** **Save** to store the data and **Cancel** to go back.

3. Steps to Create a New Section

1. Ensure all relevant production activities have been created first in the **Activity Master** module.
2. From the main page, click the **Add Section** button.
3. Fill in the **Section Code**, **Section Name**, and **Description**.
4. In the **Activities** area, select one or more activities from the left box.
5. Click the  button to move the selected activities to the right box.
6. Click **Save**.

4. Integrated Workflow & Business Process

- **Building Work Centers:** A section is a key component in defining a **Work Center**. A Work Center is a combination of a Section (where tasks are performed), Machines (**Machine Master**), and Labor (**Workgroup Master**).
- **Basis for Routing:** A Routing, or production process flow, is a sequence of various activities. With sections, the routing becomes more specific. For example:

- The routing for a "Chocolate Wafer" product could be: Formulation Activity (in the Formulation Section) -> Wafer Activity (in the Wafer Production Section) -> Packing Activity (in the Packing Section).
- **Production Planning and Scheduling:** When the system schedules a Work Order, it will allocate resources (machines and labor) located in the precise section according to the order of activities in the Routing.
- **Cost Accounting:** Overhead costs can be accumulated per section. By knowing what activities are performed in a section, costs incurred in that section (like electricity, rent, etc.) can be more accurately allocated to the products passing through it.

5. Tips & Important Notes

- The section structure should reflect the physical layout or logical process flow on your production floor.
- This module heavily depends on the **Activity Master**. Make sure the activity master is complete before defining sections.
- Management of this module should ideally be handled by the **PPIC** (Production Planning and Inventory Control) team or **Industrial Engineering**, who are responsible for designing and optimizing production processes.