Item Formula

Module Guide: Item Formula (Bill of Materials - BOM)

Module Location

Production > Item Formula

Module Objective

The **Item Formula** module serves as the master data hub for creating and managing the Formulas or **Bills of Materials (BOMs)** for every product that is manufactured. A BOM is the standard "recipe" that details all components (raw materials, packaging materials) and their quantities needed to produce one unit or one batch of a finished good.

1. Main View (Formula List)

The main page of this module displays a list of all Formulas or BOMs that have been defined in the system.

View Explanation

- **View**: This page is a list of all product recipes. You can see the **Item/Service Code** of the finished good, the **Standard Quantity** (standard batch size), and the **Status** of each formula.

- **Action Buttons**:

- **[New]**: The primary button to create a new Formula/BOM.
- **[Delete]**: To delete a selected formula.

2. Steps to Create a New Formula

Step 1: Create a New Formula

From the Main View, click the **[New]** button to open the **Add Formula** form.

Step 2: Define the Product and BOM Code

1. In the **Item/Service Code** column, select the Finished Good item from the dropdown for which you are creating a recipe.
2. In the **BOM** column, enter a unique code for this formula or recipe.
3. Click **[Save]**.

Step 3: Detail the Components (Conceptual)

After saving, you will be directed to a detail screen (similar to the *Bill of Materials* module) to detail:

- **Output Material**: The finished good that is produced.
- **Input Materials**: All the raw materials and packaging materials needed, along with the standard quantity for each material.

Workflow & Integrated Business Process

- **Planning Basis**: The BOM created here is the fundamental data that will be used by the **MRP (Material Requirements Planning)** system to calculate raw material requirements.

- **Production Basis**: This BOM will also be the reference when creating a **Production Order**.

Tips & Important Notes

- The **accuracy of the BOM data** is crucial. An error in the material quantity will cause errors in purchase planning, cost calculation, and stock control.

- This is a vital master data module for the **PPIC, R&D, and Production** teams.

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