Parameter

Module Guide: Parameter

Module Location

Settings > Quality Control > Parameter

Module Purpose

The **Parameter** module serves as master data to define the specific items that will be checked on a quality inspection form. Unlike the **Score Mask**, which defines the assessment *categories*, this module defines the individual *question items* or *checkpoints* (e.g., `Printing Colour`, `Label Quality`, `Overall Shape`).

1. Main View (Parameter List)

The main page displays all the parameter items that have been registered in the system.

View Explanation

- **Search Filter**: Allows for a quick search based on the **Param Code**.
- **List Table**:
  - **No.**: Serial number.
  - **Param Code**: A unique code for each parameter item (e.g., `CLR`, `LBLQ`).

    - **Param Name**: The name or specific question of the parameter to be checked (e.g., `Colour`, `Label Quality`).

- **Action Buttons**:

    - **Add New**: Opens the form to create a new parameter.

2. Add Parameter Page

This form is used to define a new checking parameter item.

View Explanation

- **Parameter Code**: A field to enter a unique code (required).

- **Parameter Name**: A field to enter the name or specific question of the parameter (required).

- **Score Mask**: A very important dropdown selection. Here, you **link** this parameter with a **Score Mask**. This determines **how** this parameter will be assessed.

    - If you select the "Shape" Score Mask, then during the inspection, the answer choices will correspond to those defined in the "Shape" mask.

    - If you select the "Numeric" Score Mask, the inspector must enter a number.

    - If you select the "Free Text" Score Mask, the inspector can type a free-form answer.

- **Notes**: An optional field to provide additional instructions or information about this parameter.
- **Buttons**:
  - **Save**: To save the new parameter data.
  - **Cancel**: To cancel the process.

3. Steps to Add a New Parameter

1. From the main page, click the **Add New** button.
2. Fill in the **Parameter Code** and **Parameter Name** (e.g., `CLR-VAR` and `Color Variant According to PO`).
3. In the **Score Mask** dropdown, select the appropriate assessment scheme (e.g., `Yes/No` or `Conforming/Non-Conforming`).
4. Add **Notes** if necessary, for example, "Compare with the approved color master."
5. Click the **Save** button.

4. Integrated Workflow & Business Process

- **Inspection Form Builder**: The parameters created here are the "building blocks" for creating a quality inspection form. A form will later consist of a collection of several parameters.

- **Standardization of Assessment Method**: By linking each parameter to a **Score Mask**, the system ensures that each checkpoint is assessed with the correct and consistent method. The "Product Weight" parameter must be assessed with a number (Numeric), not with "Yes/No."

- **Structured Data Collection**: The results of the inspection (the data entered for each parameter) become highly structured, allowing for in-depth data analysis.

- **Defect Analysis**: Management can analyze which parameters most frequently fail inspection, indicating weak points in the production process or raw material quality.

5. Tips & Important Notes

- Think of this module as the "question creator" for a quality test. Each parameter is one question.

- The relationship between a **Parameter** and a **Score Mask** is the key to this functionality. Ensure that each parameter is linked to a logical and appropriate mask.

- The parameter name should be in the form of a clear question or statement so that it is not ambiguous for the inspector in the field, for example: "Are the stitches neat?" or "Check for surface flatness."

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