

QC Section

Module Guide: QC Section

Module Location

Settings > Production > QC Section

Module Purpose

The **QC Section** module is used to define Quality Control (QC) inspection points along the production process flow. Each "QC Section" entry represents a quality checkpoint that must be performed at a specific production section. This module ensures that quality standards are systematically enforced at each crucial stage, from before, during, to after the production process.

1. Main View (QC Section List)

The main page displays a list of all QC checkpoints defined in the system.

View Explanation

- **Filter:** Allows searching for QC checkpoints based on **QC Name**, **Section**, or other criteria.
- **QC Section List Table:**
 - **QC Name:** A unique name for the quality inspection checkpoint.

- **Section Name:** Indicates in which production section the inspection is performed.
 - **Employee Name:** Displays the name of the responsible QC personnel (if assigned).
 - Currently, the table shows "...NO DATA...", meaning no QC checkpoints have been created.
- **Action Buttons:**
- **New:** Opens the form to create a new QC checkpoint.
 - **Delete:** Deletes the selected QC checkpoint.

2. Add QC Section Page

This form is used to define a new QC checkpoint, including its location, parameters, and documentation requirements.

View Explanation

- **QC Name:** A descriptive name for the inspection point (e.g., "Oven Temperature Check," "Dough Composition Verification").
- **Section:** A dropdown to select the production section from **Master Section** where this QC checkpoint will be placed.
- **Sample:** A dropdown to select the QC parameter template or standard to be used. This refers to master quality parameter data defined elsewhere.

- **Section Part:** Radio buttons to determine when the inspection occurs:
 - **Before Section:** Inspection of raw materials or inputs before the process begins.
 - **In Section:** Inspection during the production process (in-process control).
 - **Post Section:** Inspection of output or semi-finished products after the section's process is complete.
- **STF Requirement:** A checkbox indicating whether an STF (Standard Test Form) or a similar document must be created as formal evidence of the inspection.
- **QC Description:** A text area to provide detailed instructions or explanations about the inspection procedure.

3. Steps to Create a New QC Section

1. Ensure **Master Section** and QC parameter templates (if any) are already created.
2. From the main page, click the **New** button.
3. Fill in the **QC Name**.
4. Select the **Section** from the dropdown.
5. Select the appropriate **Sample** (QC template).

6. Determine when the inspection is done by selecting the **Section Part**.
7. Check the **STF Requirement** box if formal documentation is needed.
8. Write a clear **QC Description**.
9. Click **Save**.

4. Integrated Workflow & Business Process

- **Integration with Routing and Work Order:** QC checkpoints defined here become integral parts of the production Routing. When a Work Order passes through a particular section, the system automatically triggers the relevant QC inspection tasks.
- **Quality Assurance:** The system will "force" the production process to halt at this checkpoint until QC personnel perform inspections and provide a status (Pass/Fail). The product cannot proceed to the next stage without receiving a "Pass" status.
- **Traceability and Documentation:** If the **STF Requirement** is checked, the system requires QC personnel to fill out and upload the STF document. This creates a thorough quality audit trail for each production batch, which is critical for tracking in case of customer complaints or product recalls.
- **Quality Analysis:** Inspection data (the number of products passing/failing at each checkpoint) can be collected and

analyzed to identify weak points in the production process and drive continuous improvement.

5. Tips & Important Notes

- Define QC checkpoints at the most critical points in your process (where the risk of quality failure is highest).
- Ensure QC parameter templates (the **Sample** field) contain clear, measurable, and objective standards to avoid ambiguity during inspections.
- The management of this module should be the responsibility of the **Quality Control** or **Quality Assurance** department, in close coordination with the Production team.

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