

Headquartered in Vadodara, Gujarat the Client provides packaging solutions to both local and global pharmaceutical and healthcare companies. Founded in 1992, today the company finds presence in more than 15 countries with over 250 reputed customers across the world.

Solution:

WIP Solution.

Problem / Pain Point:

1. The client uses a complete manual set up, exposing them to manual errors.
2. The client also faces a challenge in tracking in the manufacturing, leading to wastage of raw material.

Objective of Project:

1. To track raw material from raw material to warehouse.
2. To reduce manual error by automating the process.
3. To provide traceability and visibility during all stages of the process.
4. To accurately quantify the wastage of material.

Solutions Proposed:

Raw Material Store In & Out Solution.

The proposed solution begins when the material is received at the store. The materials will be pasted with UID barcodes. After this the GNR process will be performed followed by which the system will suggest the location.

In the next stage, the picker will place the material in the suggested location. Hand Held Terminals will be provided to scan the location barcode as well as the material barcode. This information is automatically updated in QodeNext Application, thereby completing the put away process.

When a PO is received, BOM will be generated on the QodeNext Application and barcode labels will be printed for the respective batch and pasted on Bin / Tray.

Followed by this, the Picker picks the ingredients with quantity mentioned in the picklist and updates the QodeAPP. Based on this the system will generate barcode which will carry the details like Product Code, Initial Lot No, Quantity, Date, Sr. No, Checked By etc.

Picker will then be required to put all the materials in a single carton and post a barcode on it. This trolley will be moved to the production area.

WIP Solution.

For the WIP solution, as the material moves through the various stage of WIP the user will have to scan the barcode on each bin/container. This will have to be done before the start and the end of each process.

At each stage user updates the QodeWIP APP on the Hand-Held Terminal (HHT) with parameters such as weight of material, In time, Out time and remarks. This provides visibility to the process at various stages. The system will be updated in real time which will be reflected on the web application dashboard.

Also optionally weighing scales could be integrated with the application at all stages, to fetch the weight automatically from weighing.

Benefits:

1. The proposed solution would provide end to end visibility, thereby enabling material In-Out transparency.
2. Automation would reduce human intervention, thereby avoiding human manipulation, reducing manual errors and improving productivity.
3. Printing & sensing technology reduces the time spent on data capturing and processing.
4. The solution is capable of report generation, thus making it possible to take data driven decisions.
5. Automation provides cost advantage, reducing wastage of material and optimum utilisation of resources (manpower, materials, space).