Headquartered in Kentucky, United States, the Client is a leading global producer, distributor and marketer of high quality lubricants and specialized automotive, commercial and industrial solutions.

Solution:

WIP Solution.

Problem / Pain Point:

The current system is incapable of updating the SAP with verified production data. Due to this the system does not have details of total production in the plant daily. The client lacks a system to moniter Quality rejections efficently. Also, the system is completely manual which affects the efficiency of operations and productivity.

Objective of Project:

1. To track daily production output by tracking total quantity of Finished Goods (Barrels; Pails; Cartons) packed/Palletized that are then moved to stores.
2. To have a control over QA rejections & trace the responsible vendor.
3. To have a single application for the manufacturing operation and get all the data available through the system in real time and update the same to SAP.

Solutions Proposed:

The proposed solution is divided as per the lines I.e. Various other lines & Drum lines.

a) Process flow at various lines except the drum Line
In the first stage 2D barcodes would be printed on the bottles/pails. Followed by this the bottles/pails will be filled with the product on the line.
The bottles/ pails would then be placed into carton. The movement of cartons on the line will trigger an object sensor which would in turn trigger the application to print 2D carton labels with product details.
The cartons will then pass through the fixed mount scanners for verification. Based on this information a data base is created in the QodeNext Application which is updated in the SAP in real time.
The cartons will be loaded onto the pallets as per pallet size. Each of the carton labels will be scanned at the transfer area and a pallet label will be generated and pasted on the pallets. Following this the pallets are moved to the stores.

b) Process Flow at Barrel (Drum) Lines.
For the drum line, the supervisor has to log into the QodeNext Application printing module on a PC. The application imports the production details from the SAP after which a drum barcode label with product information will be printer.
The supervisor then hands over the labels to the line operators at their respective lines. Once the drums are filled they are palletized and moved onto the store.

Benefits:

1. The proposed solution can import and exporting material & FG details from the SAP in real time, the ensures that the system has details of total production in the plant on a daily basis.
2. Barcode Printing & sensing technology automates the entire line process, thereby reducing manual errors an improving operational efficiency, accuracy and productivity. Automation also reduces the time spent on data capturing and processing.
3. The solution is capable of report generation and audit of various FG manufactured at the different lines, which enables data driven decision making.

QODE NEXT®
Traceability Redefined