Started in 1956 from a place known to be as Ludhiana, by 1975 the Client became the largest manufacturer of bicycles in India with a production of 7500 cycles per day. With the 48% share of the Indian market, this volume has catapulted the Client in the Guinness Book of World Records as the largest bicycle manufacturer in the world.

Solution:

FG Inventory Updating & Dispatch Management System.

Problem / Pain Point:

1. Currently all the items are not barcoded in FG area, hence the inventory is not maintained, so it is a challenge to know current stock status specially for Frame Assembly.
2. Variation between the systems stock 'Vs' physical stock and no control over the inventory.
3. The client has no information about FG inventory available against received dispatch order hence there are cases where material falls short.
4. Due to manual processes at each stage the chances of errors are always very high.
5. Traceability is a quite difficult & a time-consuming task.

Objective of Project:

1. To automate various processes e.g. Vendor Management, Production Confirmation or FG Inventory Punching & Dispatch Managements.
2. To have insights & real-time updates of the FG inventory.

Solutions Proposed:

The proposed solution will start from the vendors end through QodeVendor application, where the vendor will be required to print & paste a barcode label on the material to be dispatched to the Client. The barcode will contain information such as Material code; Supplier code; description of material.
At their premises there will be printing of the barcode for non-Barcoded items like Frame, RIM & Mudguard.
After the WIP, once the material will get converted to finished goods, a thermal printer will be provided which generate a barcode to be pasted on the FG by the operator. The barcode will contain information such as e.g. Material code; Supplier code; description of material; Date of manufacturing; RSN number & 2D barcode with logo of the Client.
Hand Held Terminal will be provided to scan the barcode for FG inventory punching or production confirmation punching. The information will automatically be updated to the SAP through QodeNext Application.
This will be followed by the dispatch process in which the operator would be provided with a HHT. The operator needs to use this to scan the bay area. Location barcode tag will be generated and pasted at each and every location which comes under bay dispatch & loading (one time job/process). Once the material is loaded on Truck No./S.O. is complete, the application will give a trigger/alert to the SAP for invoicing process. Thus linking dispatch management to their existing SAP.

Benefits:

1. Automation provides real time visibility, thereby making it possible to know current stock status.
2. Barcode scanning technology improve accuracy, thus eliminating the problem of variation between system stock and physical stock.
3. As the stock information is updated in real time, it provides information about FG inventory available against received dispatch order. This helps to avoid the cases where the materials fall short.
4. By implementing printing & sensing technology, the time spent on data capturing and processing is reduced.
5. Provides cost advantage and optimum utilisation of resources (manpower, materials, space) available.

QODE NEXT®
Traceability Redefined