

The Client has become one of the major suppliers to almost all the reputed Original Equipment manufacturing (OEM) companies in India. Quality has always been a premium at Bridgestone and the strict standards followed, are certified by the world's leading authority in quality certifications. In the past decade India has seen a tremendous growth in the automobile segment. Bridgestone has been able to spearhead its contribution in this booming passenger car market with over 350 select stores in 33 regions across the country.

Solution:

MSIL Back Traceability FG Barcode Printing Application.

Problem / Pain Point:

The Client follows a manual set up which expose them to manual errors. The manual set up, at times, causes the product to move to open market without proper testing and calibration, thereby hindering product quality. On receiving complaints from the market/ customers, back tracking becomes difficult.

Objective of Project:

1. To automate the process and reduce human intervention.
2. To ensure the product goes through proper testing & calibration.
3. To address the customer complaints through information driven back traceability.

Solutions Proposed:

Once the product reaches the final station for Quality Check operation and Load testing, FG barcode label will be generated.

For operator identity capturing, various options are provided such as ID card scanning, finger print punching or by operator credentials i.e. user-id & password (client needs to opt one option from the various mentioned options).

At the FG station, a final barcode label will be generated for the product once it passed by the testing system (PLC). PLC will trigger QodeNext Application for the FG barcode label generation. No barcode label would be generated for failed parts.

Benefits:

1. Automation reduces the manual intervention needed, thereby reducing manual errors and enhancing operational efficiency.
2. Validation effectively reduces the chances of a product moving to the market without proper testing & calibration.
3. The barcode technology will provide back traceability, enabling Bridgestone to take quick action on customer complaints.
4. The solution will enable report generation to support data driven decision making.
5. Printing & sensing technology provides cost advantage and optimum utilisation of resources (manpower, materials, space).