

Foxconn (Hangzhou, China)

— BLC RFID Label Printing Quality Inspection System



Foxconn, established in Taiwan in 1974, is the world's largest electronics manufacturer. Foxconn is also the leading technological solution provider, and it continuously leverages its expertise in software and hardware to integrate its unique manufacturing systems with emerging technologies. The Group has four core product pillars: Smart Consumer Electronics, Cloud and Networking, Computing Products and Components and Others.

Business Challenges

- Small label size: The RFID label height is 15mm, and the printer may risk miswriting data when inputting EPC information, leading to incorrect RFID data.
- Missing RFID content: While printing RFID label, the printed content on the label may be incomplete, leading to customer claims.
- Heavy workload for employees: Using handheld RFID guns to read RFID label information often results in misreading between two next labels.

BLC RFID Label Printing Quality Inspection System
Online and 100% Inspection.
Creating Perfect Labels for You!



After comprehensive evaluation, Foxconn has selected the BLC-B412-ZT411 + BLC RFID Inspection Kit as the standard label inspection solution for its entire production line. The benefits include but not limited to:

1. Integrated with the ZEBRA ZT411R, the BLC inspects every label without impacting printer functionality. RFID antenna module integrated into the BLC camera captures images while also reading the data written in the RFID chips.
2. Equipped with diverse AI algorithms, BLC software inspects barcode duplicates and various label flaws, including blurred text, misplaced barcodes, and torn labels, ensuring zero NG labels enter production.
3. BLC is able to perform different kinds of data check to those written in the RFID chips. For example: duplicate data check, serial number check and ,master data check...

Benefits

Since implementing the BLC system, Foxconn has eliminated RFID data duplicates, missing, and miswriting, while ensuring 100% compliant inspection of both RFID and printed content—guaranteeing perfect label quality, protecting brand reputation, and securing customer trust.

