

BYD (Hefei, China)

— Successful Prevention of NG Labels with BLC Label Printing Quality Inspection System



BYD was founded on November 18, 1994, As a Fortune Global 500 company listed on both the Hong Kong and Shenzhen stock exchanges, BYD operates across four major industries: automotive, electronics, new energy, and rail transit. From energy generation and storage to application, the company comprehensively builds zero-emission new energy solutions, dedicated to fulfilling people's aspirations for a better life through technological innovation.

Business Challenges

- The large volume of daily printing make it impossible to conduct compliance checks on each label. As a result, blurred or duplicated labels enter the production process, leading to customer claims.
- The production line operates on a fully automated label production model with no manual inspection involved. However, the current automated platform cannot perform subsequent voiding or labeling actions based on label quality.
- Due to the automated nature of the label printing production line, there is no guarantee that data is accurately printed on the label surface, and a mechanism to verify data consistency is absent.
- Given the vast amount of printing data, it is difficult to trace and query error data when label issues arise at later stages.

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



After comprehensive evaluation, BYD has selected the BLC-B406-ZT610 as the standard label inspection solution for its entire production line. The benefits include but not limited to:

1. Integrated with the ZEBRA ZT610, the BLC inspects every label without impacting printer functionality. Its software supports flexible system integration (e.g., with MES) to apply different BYD production lines.
2. BLC enables automated label production by providing surface inspection, data verification, result record, and full traceability of all labels. This prevents NG labels from entering downstream processes and resolves the issue of problem labels can't be traced.
3. 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.

Benefits

Since BYD adopting the BLC label printing quality inspection system, it has integrates into BYD automated production line. This solution comprehensively addresses label quality control issues, eliminates barcode duplication, and ensures 100% compliant labels. It enables precise and rapid localization of label inspection issues, achieves a 100% qualification for label quality, safeguards the company's reputation, and enhances customer confidence.

