

Case Study

S B Packaging achieves defect free, high quality print output with DetectAXIS

Background

Established in 1992, S B Packaging Pvt Ltd., is one of India's leading companies in the food and hygiene packaging sectors. S B Packaging was the first ISO 9001 certified flexible packaging company in India and is a pioneer in adopting new technologies.

Challenges

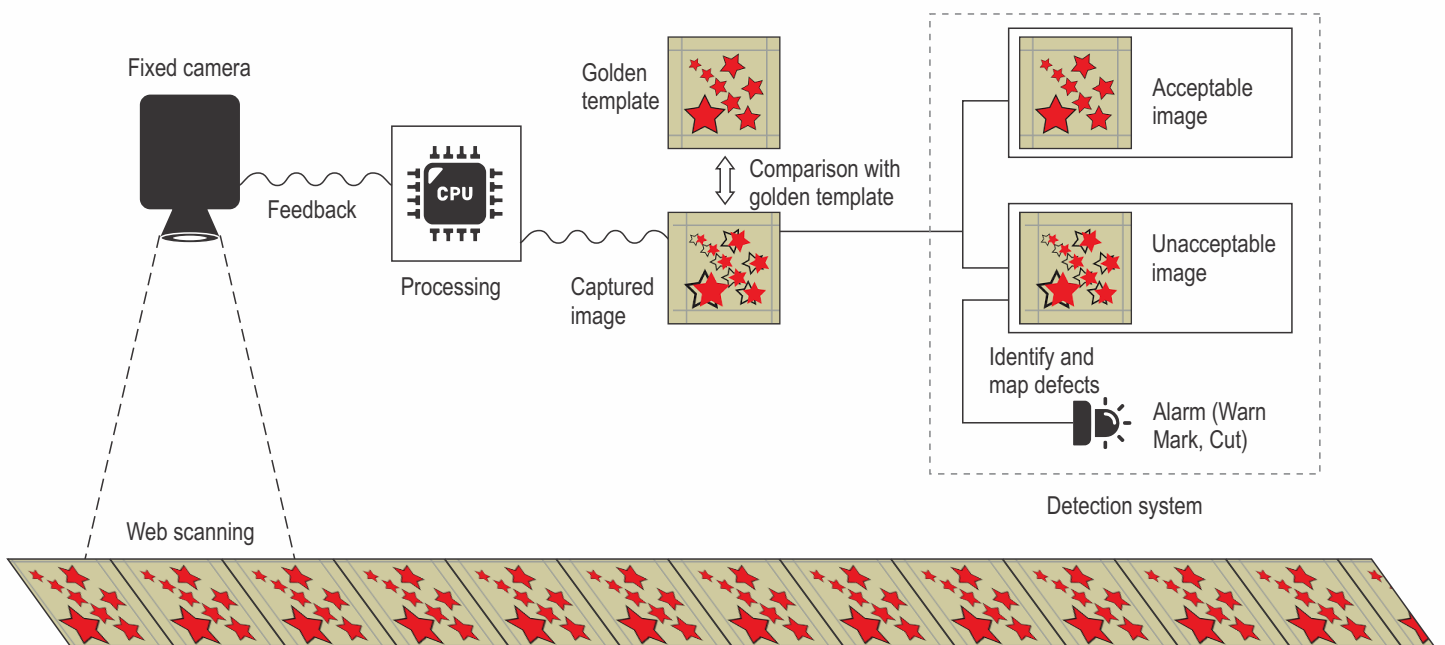
Over the past few years, the print and packaging industry has become increasingly competitive with growing demands for both improved print quality and competitive prices.

To meet these demands, S B Packaging – like other printers and converters needing to reduce costs – increased production speeds and shortened job run times. Unfortunately, the high printing speed meant that most print defects are only spotted during the post-print quality check, after which the job is rejected. Such rejections increased rework and raw material wastage, which decreased productivity and profitability.

S B Packaging uses a 9-colour rotogravure printing machine. Typical print jobs on the machine include printing of high quality flexible packaging material for branded food and hygiene companies. As the quality and finish required are high, so are the tolerances low during the final quality check. In order to meet the high standards of their quality-conscious customers, while simultaneously maintaining a low rejection rate and high productivity, the management at S B Packaging needed a way to ensure consistent and high quality print output, and approached A.T.E. for help.

Solution

After an evaluation, A.T.E. suggested DetectAXIS – an intelligent supervisor for print defect detection for rotogravure printing machines.



DetectAXIS – 100% print inspection system

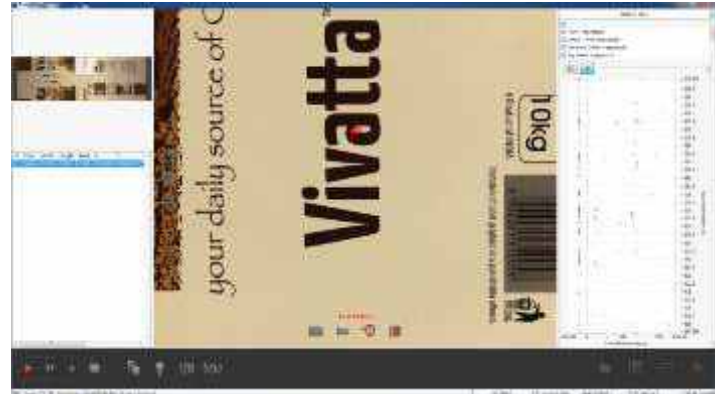
About DetectAXIS

A.T.E.'s DetectAXIS is a 100% print defect detection system. It scans the entire web width for print defects, using line scan camera-based cutting-edge smart imaging technology and captures sharp and 'near-print quality' images of the print web at full production speeds.

Result

After the DetectAXIS was installed, S B Packaging has observed:

- Instant print defect detection
- Precise, consistent, and improved print quality
- Reduced material rejection at quality check
- Process improvements when operators learn about repeating defects
- Lesser rework, increased productivity



Defect identification

Mr. Raj Kapoor Ahlawat, DGM, S B Packaging

“As we serve quality conscious brands, our objective in opting for a print inspection system was quality improvement. We are satisfied with the consistent performance of DetectAXIS. It precisely identifies the print defects and generates alarms for grabbing the operator's attention for taking corrective action. The operator observes the defect and decides whether to not allow the defect or to let it pass. The defect type and defect location identifications not only help us to reduce rejections, but also to understand repeating defects. DetectAXIS improved our output print quality!”



A.T.E. ENTERPRISES PRIVATE LIMITED

(Business Unit: AxisValence)

T: +91-2717-699061

E: contact@axisvalence.com

W: www.ategroup.com/axisvalence

CIN: U51503MH2001PTC132921