



Case Study

How Plastic Packaging Technologies reduced costs of customer complaints by 80%



Customer & Challenge

With great passion and experience, the team in the print department at Plastic Packaging Technologies (PPT) produces flexible packaging for foods, snacks, and pet food. While this has always been the case, the path to defect-free print quality has improved significantly over the years. In the past, eagle-eyed and highly focused operators would constantly view a monitor screen to catch and identify print defects at an early stage. This approach was not reliable as the operators were often burdened with other tasks. In order to modernize the quality control procedures from offline to inline, the decision was taken to integrate an automatic 100% vision inspection system. The inspection should retrofit properly into their Uteco press, but also would need to be economical. As part of their selection criteria, PPT also considered other factors, such as the requirements to classify defects properly, as well as user-friendly operation and hassle-free installation.

The Solution:

PrintSTAR 100% Inline Inspection

- The system, which is deployed around the world, guarantees complete 100% inspection in order to achieve error-free printing results with proven reliability. The easily configurable dual-camera system was installed just after the last printing station making excellent use of the available space.
- The intelligent inspection system not only reliably detects all defects but also ensures that predetermined standards and tolerance limits are adhered to by instantaneously comparing the print result to the customer's PDF file. At Plastic Packaging Technologies, the new system helped the team discover many print misregistrations and omissions.
- The inspection system was ready for operation shortly after installation. The machine operators and production managers were quick to approve since the system is not only easy to operate but ensures maximum productivity within a short period of time.
- Defects which exceed the tolerances are displayed to the operator, enabling them to intervene in the printing process to prevent waste and avoid complaints. This enormous improvement at PPT can be seen in concrete data, with the cost associated with customer complaints dropping by 80%.

Print Inspection with PrintSTAR



Plastic Packaging Technologies, LLC

PURPOSEFUL. POWERFUL. PACKAGING.®

Customer Benefits



100% automated inspection

PrintSTAR guarantees complete 100% inspection in order to achieve error-free printing results with proven reliability. It detects and classifies both unique and recurring defects in real time. The PrintSTAR inspection system enables the customer to precisely classify different defects by size, color, or even category, such as streaks, splashes, register defects, and color deviations.



Precise defect classification

Customer directives and tolerances can thus be determined for every print job, while limit values can be entered in a job-specific profile. Defects that exceed the tolerances are displayed to the operator, enabling them to intervene in the printing process to prevent waste and avoid complaints.



All-in-one camera

The smart all-in-one camera with embedded color camera technology combines sensor, processor and interface in a compact and robust.



ISRA VISION

Germany
Tel.: +49 (6151) 948 0

Belgium
Tel.: +49 (2366) 930 00

Spain
Tel.: +34 (93) 839 70 32

France
Tel.: +33 (0) 1 39 09 32 00

Italy
Tel.: +39 (0464) 490 603

UK
Tel.: +44 (1442) 261 202

USA
Tel.: +1 (770) 449 77 76

Brazil
Tel.: +55 (11) 347 611 32

Turkey
Tel.: +90 (212) 285 97 45

Russia
Tel.: +7 (921) 055 63 30

P.R. China
Tel.: +86 (21) 685 002 88

Japan
Tel.: +81 (45) 534 99 11

Korea
Tel.: +82 (31) 806 973 00

Taiwan (R.O.C.)
Tel.: +886 (3) 250 01 48

India
Tel.: +91 98 23 16 24 55

Optimize your ROI with the technology leader **ISRA**
info@isravision.com www.isravision.com