- Higher print quality

- Intuitive job set-up & job management

- Higher automation

- Resource-saving production, leading to lower quality costs and customer complaints due to reduced waste

PrintSTAR EVO

100% inline inspection system
for printed flexible packaging

ISRA VISION

Part of Atlas Copco Group

ABOUT PrintSTAR EVO

PrintSTAR EVO is the solution for inline inspection of printed flexible packaging material, ensuring 100% continuous quality control in print production. It employs high-resolution cameras and LED lighting to detect defects in real time, minimizing downtime and reducing rejects. It integrates seamlessly with the web viewing system ViewSTAR and ColorSTAR module for absolute color measurement. Special features such as advanced defect classification and intelligent material cutting maximize production yield and improve workflow efficiency.

APPLICATIONS

- Flexible packaging, printed plastic film or paper for food & nonfood packaging
- Personal care & hygienic film printing
- Aluminium packaging for pharma, food & pet food
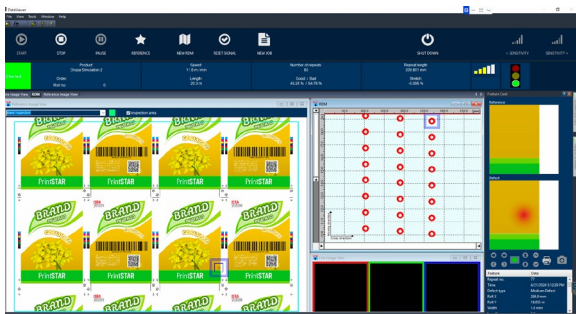- Liquid packaging
- Security printing

CONNECTIVITY

- ViewSTAR / ColorSTAR / EPROMI /OPC-UA
- Inspection width: from 600 mm up to 2.500 mm; others on request

KEY FEATURES

- Assistance for make-ready: QuickProof PDF verification, LiveWebView for fine-tuning the register & monitoring the entire web width during the printing process, inline color measurement
- Advanced print inspection streak detection, hazing detection, static code inspection continuous front-to-back registration – just one roll-map for all of your applications
- Assistance for value-adding inline processes: cold seal inspection, varnish inspection, front-to-back registration, defect classification
- Product and process monitoring: repeat length measurement, stretch measurement
- Workflow management with reviewing functionalities reporting
- Waste removal functionalities for the converting department: RewindManager, print-to-slit-registration for inline slitting
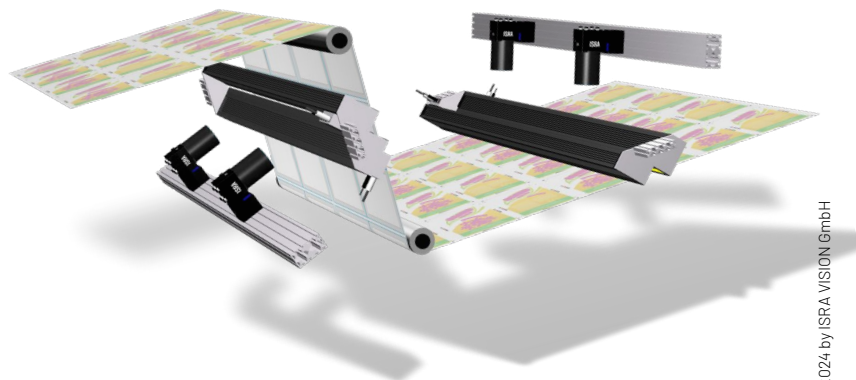
SPECIAL FEATURES

Classification:
The sophisticated defect classification differentiates between severe and neglectable defects and contributes to reach a higher rate of saleable material

Multiview:
By using multiple camera banks and special exposure concepts, PrintSTAR EVO is also able to inspect hard-to-find defects such as toner defects (hazing), protective or decorative coatings, and cold seals

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