Automated quality assurance in label printing

100% inline inspection offers cutting edge-technology in compact form combined with easy integration into any machine

Automated quality assurance via inspection systems presents an easy way to increase both quality and productivity of a printing line. Thanks to compact dimensions new inspection solutions now enable every print shop to efficiently detect defects even in label and narrow-web production. In addition, the system from ISRA VISION's Plug & Inspect product portfolio can be put into operation quickly. It can be operated via a touch-sensitive surface. This enables print shops to increase the volume of saleable production while minimizing waste.

ISRA's NarrowSTAR offers an ideal inspection solution that fits into any printing or converting machine for web widths of 330, 440 or 660 millimeters due to its compact dimensions. All components are integrated in one housing. High-quality camera and lighting components are used. Thanks to high-quality camera technology, the new inline process control from ISRA VISION delivers perfect images and enables even better detection rates - the special camera was designed and built by ISRA. It is based on the company's experience in many industries with demanding inspection tasks.
NarrowSTAR combines the inspection components into an easy-to-use product from the Plug&Inspect family, which can be operated via conventional LAN or wireless. Pre-calibration and a touch-control user interface in the style of familiar operating systems such as the latest Windows technology mean that commissioning and operation do not require expert knowledge. Inspection starts immediately after installation.

The processor used enables image acquisition and processing in real time. At the same time, the used algorithms allow a sustainable inspection performance by the reliable differentiation between relevant and irrelevant quality changes.

As an additional module, the QuickProof ensures that the correct job is printed with the PDF approved by the customer. Pseudo defects resulting from process deviations such as changed web tension of the flexible substrate can be eliminated by automatic compensation of position changes.

All relevant errors from the printing of labels or flexible packaging such as splashes, veils, stripes or ink defects are reliably detected and documented. This allows the operator to intervene immediately, eliminate the cause of the error and avoid waste.

ISRA VISION will be presenting its products for narrow web and label production at Labelexpo Europe in Brussels at stand 8B39 in Hall 8.
The pre-calibrated NarrowSTAR system from the Plug&Inspect product range can be put into operation quickly and operated via a touch-sensitive interface.

Modeled on latest Windows technology, the user-friendly user interface is also suitable for tablets.
100% detection of all typical defects such as hazing, streaks, splashes etc.