**Compact inspection system allows quality assurance in the tightest of spaces – new ISRA camera for best in class detection**

## User-friendly print inspection at world market level: Easy-to-install system provides leading technology in compact form

**Automated quality assurance via inspection systems presents an easy way to increase both quality and productivity of a printing line. With efficient technology, new inspection solutions now enable even smaller printshops to begin producing at premium quality standards. Their compact dimensions are adapted to typical narrow web production environments. The pre-calibrated system from the Plug&Inspect product range can be put into operation quickly and operated via a touch-sensitive interface. Printshops can thus increase their salable production quantities while minimizing waste.**

The product quality demanded on the world markets places tough requirements on printing processes, including in smaller printing businesses and the growing narrow web market. ISRA's NarrowStar provides a perfectly-tailored inspection solution for this, whose compact dimensions enable it to fit any printing press. A choice of three different sizes for web widths of 330, 440 or 650 millimeters integrate all components in a single enclosure, adapted to the typical production environment. The system uses efficient camera and lighting components that are considered the market standard in many industries. The new ISRA camera delivers perfect images and allows even better detection rates – the custom designed and manufactured

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camera is constructed and built by ISRA. It is based on the experience in print as well as other industries with challenging inspection tasks.

NarrowSTAR brings these inspection components together to form an easy-to-use product in the Plug&Inspect range. It can be operated via a conventional LAN or wirelessly. Thanks to the pre-calibration and the touch-sensitive user interface modeled on familiar operating systems like latest Windows technology, no expert knowledge is needed for commissioning or operation. Inspection begins immediately after installation.

The processor used enables image capture and processing in real time, with data speeds of up to 3000 Mbit/s, providing maximum inspection definition across the entire printed image. At the same time, the algorithms used allow sustainable inspection performance by differentiating reliably between actual and pseudo defects.

The work of the printer is supported by a range of assistance systems: QuickProof ensures that the correct job is being printed by checking the PDF approved by the customer. RegisterCheck constantly checks the synchronicity on both sides of the print web for possible defects. Pseudo defects, which result from process deviations such as a changed web tension in the flexible substrate, can be ruled out, as the system compensates automatically for changes in position.

This means that typical defects that occur when printing labels or flexible packaging, such as splashes, hazing, streaks and ink defects, are detected reliably. As a result, the operator can step in straight away to correct the source of the defect and prevent waste.

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**Images**
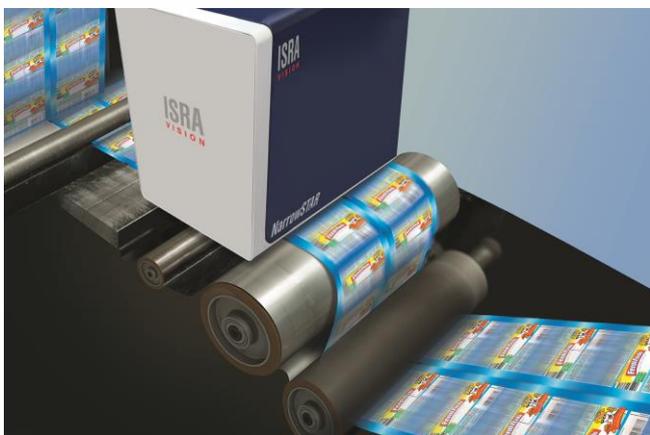


**748_1.jpg**
The pre-calibrated NarrowSTAR system from the Plug&Inspect product range can be put into operation quickly and operated via a touch-sensitive interface.



**748_2.jpg**
Modeled on latest Windows technology, the user-friendly user interface is also suitable for tablets.

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**ISRA**
**V I S I O N**

**748_3.jpg**
100% detection of all typical defects such as hazing, streaks, splashes etc.

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