Fast provision and full process reliability for enhanced efficiency in printing production

Efficient processes for all printshops: Compact, user-friendly inspection solution ensures quality at every stage of narrow web printing

The new user-friendly Plug & Inspect product range optimizes the entire workflow in narrow web printing. Its combination of high-resolution inline web viewing and adaptive narrow web print inspection allows the make-ready time to be reduced and productivity increased. The pre-calibrated, ready-to-use systems are quick and easy to install and help to optimize output as soon as they are in operation.

The time-consuming machine make-ready in many printshops and the constant manual checking of print results are not only cost-intensive, but also demand precise knowledge of each individual step in the process. The combination of the ViewSTAR and NarrowSTAR inspection systems, which work in series, make the printer's work easier by ensuring that the accurate printed image required is achieved quickly every time.

In web viewing, ISRA's ViewSTAR provides a realistic reproduction of the actual printed image, even at high web speeds. High-resolution cameras with a fixed lens set-up and LED lighting with a flash speed of around one microsecond enable precise color reproduction, coupled with high robustness and minimal maintenance requirements. Set up just once, the web viewing system thus makes permanently distortion-

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free, precise reproduction in real time possible for all subsequent print jobs.

NarrowSTAR combines a range of inspection components in a single compact device, whose three sizes are suitable for web widths of between 330 and 650 millimeters. Thanks to the touch-sensitive user interface modeled on the familiar operating systems Windows 8 and Windows 10 and suitable for tablet PCs, no expert knowledge is needed for installation. Print inspection begins straight away after installation – as the name Plug&Inspect would suggest.

The tried-and-tested ISRA processor used allows a maximum inspection definition across the entire printed image at data speeds of up to 3000 Mbit/s. Already established as the market standard in many industries, efficient algorithms differentiate reliably between actual defects in the printed image and artifacts (pseudo defects), which can arise from process deviations such as a changed web tension, during the inspection. The work of the printer is supported by a range of assistance programs, allowing false alarms to be prevented. The combination of technologies thus enables the process efficiency to be enhanced permanently, with reduced waste and a maximized proportion of salable production. Thanks to this seamless monitoring of their production processes, even smaller printshops can achieve and even go beyond the print quality demanded on the global markets, and at a competitive cost-benefit ratio.

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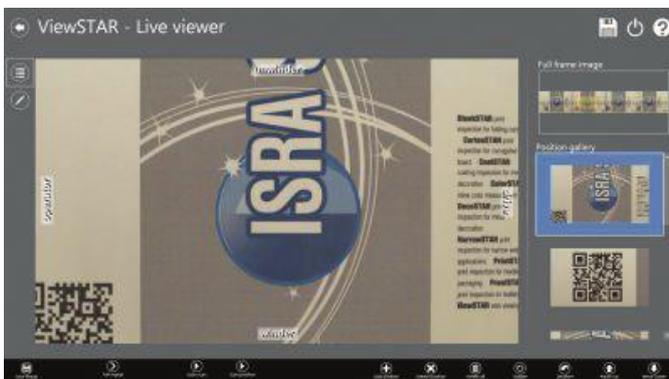| Release:	No. 651, 02.05.2017
Contact:	Nicole Rüffer
E-Mail:	nrueffer@isravision.com
Phone:	+49 (6151) 948-192

Images

651_1
Inline web view in high image quality with ViewSTAR

651_2
ViewSTAR provides a realistic reproduction of the actual printed image, even at high web speeds

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

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Thanks to the touch-sensitive user interface modeled on familiar operating systems like Windows 10 and suitable for tablet PCs, no expert knowledge is needed for installation

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