

# Press release

Quality management with BST inspection systems: iPQ-Check, iPQ-Check Digital and iPQ-Center

## **100 % inspection for 100 % print image quality**

**Bielefeld, May 2024 - Competition in the printing industry is fierce and the demands on productivity as well as quality are constantly increasing. Reliable inspection of the printed image is an essential prerequisite for flawless print products - and therefore for first-class performance and competitiveness. BST 100 % inspection systems monitor the print simply, comprehensively and efficiently, even at highest web speeds. The new iPQ-Check Digital, specially developed for digital printing systems, consistently continues the proven standards of the market-leading iPQ-Check system and impresses with AI-controlled defect classification, SMARTData capability and 100% inspection across the entire print format. BST has also expanded the cross-system iPQ-Center user interface for optimized quality management: In future, users will benefit from extended options for integrating individual system components, enabling them to make printing processes even more efficient and sustainable.**

The leading inspection system iPQ-Check combines 100% print image inspection with high-quality web inspection and significantly improves print quality. As part of the iPQ-Center, both inspection and web monitoring can be set up via one single interface - further reducing the risk of incorrect entries in job setup and handling time with the systems. In addition, iPQ-Check enables a SMARTData connection with which data can be used across processes. Users also benefit from the long-established technological features of the newly developed iPQ-Check Digital. With this ultra-modern inspection system, BST provides a state-of-the-art solution for inspecting digital print data: Jobs are created in prepress and then loaded into SMARTData Preparation, where data is prepared for and transferred to iPQ-Check Digital to perform the inspection. The digital process enables an operator-free job setup, automatic job changeover, full inspection from the first format and job sizes with short runs from one piece. In addition, specific print defects in digital printing can be checked with process-typical defect classes.

### **AI-based fault detection and extended inspection options with iPQ-Center**

For even more precise defect classification, both iPQ-Check and the new iPQ-Check Digital now offer an additional defect class whose data set is generated using artificial intelligence. For example, customer-specific defects or defects with high relevance, such as mosquitoes, can be classified more clearly and thus provide important added value for further evaluation. The new functional expansion of the iPQ-Center offers even more opportunities for process optimization, enabling the central control of the quality assurance BST systems iPQ-Check, iPQ-View (video web monitoring) and iPQ-Spectral (fully automated system for spectral inline colour measurement).

# Press release

"Previously, it was only possible to integrate a single iPQ-Check here," explains Kim Lewald, Product Manager at BST. "From now on, another iPQ-Check can be integrated - users can therefore control two 100% inspection systems via one central user interface and no longer have two stand-alone systems and monitors. This offers extended possibilities such as a more convenient front and back inspection of printed webs. For the user, all camera displays can be viewed centrally and clearly in the iPQ-Center." With the further development of the 100% inspection systems iPQ-Check and iPQ-Check Digital and the expansion of the iPQ-Center, BST is continuously driving forward the digitization process in the printing industry and offering customers practical solutions for quality management at the highest level.

**More detailed information will be available at the BST stand during drupa: Hall 10, Stand C21. Trade show visitors are cordially invited to convince themselves live of the many advantages of BST innovations. The BST team is looking forward to many interesting discussions.**

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## About BST

BST GmbH, an elexis Group company, is one of the leading suppliers of quality assurance systems for web processing industries. The Bielefeld-based company offers solutions for web guiding, surface inspection, web monitoring, 100% inspection, color measurement, color management, register control and automation. The company has decades of practical expertise in these areas, with installations at more than 15,000 customers worldwide in the printing and packaging, paper and film, rubber and tire, battery and fuel cell, and printed and organic electronics industries. BST stands for high-quality quality monitoring, smooth production processes and first-class service worldwide.

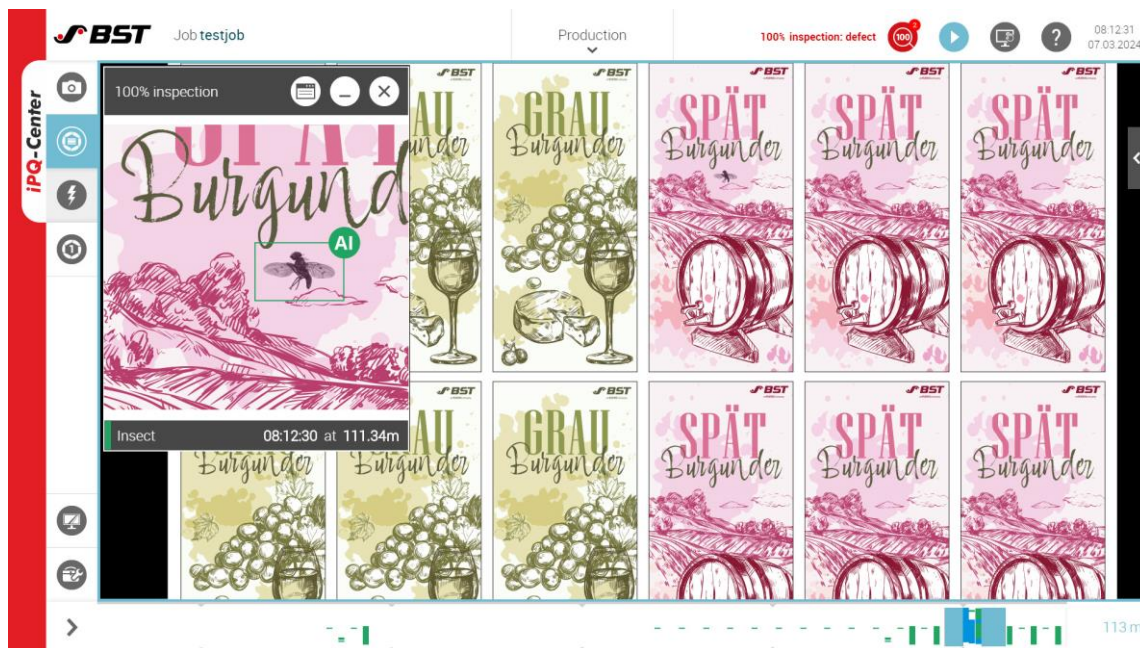
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## Images and captions:



(Image: BST\_iPQ-Check-AI\_HMI)

For even more precise defect classification, both iPQ-Check and iPQ-Check Digital now offer an additional defect class whose data set is generated using artificial intelligence. The new iPQ-Check Digital, specially developed for digital printing systems, consistently continues the proven standards of the market-leading iPQ-Check system and impresses with AI-controlled defect classification, SMARTData capability and 100% inspection across the entire print format.

**picture: BST GmbH**

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