

Pressemitteilung

BST supplies high-precision quality assurance systems for converting processes

Smart efficiency enhancement in web processing industries in manufacturing, finishing and further processing

BST GmbH provides manufacturers in the converting industry with decisive competitive advantages in the areas of automation, efficiency, and error-free results. Its portfolio of cross-process and cross-industry system solutions for quality assurance in web converting industries increases plant efficiency and reduces scrap. During ICE Europe, March 14 to 16, BST will exhibit trend-setting innovations for optimal web guiding, surface inspection, web monitoring, print inspection, register and coating control in applications such as lithium-ion battery production or flexible packaging finishing in Hall 6, Booth 480.

At ICE Europe, the Bielefeld-based specialist for web guiding and quality assurance systems will present its latest high-precision solutions. Manufacturers can reduce material waste, reduce the number of line stops, and significantly increase overall line efficiency by detecting, documenting, and analyzing defects at an early stage with the help of BST solutions.

Efficiency booster: BST COATINGControl for error-free battery production

BST presents BST COATINGControl with the intelligent, networked web guiding system, FRAMEGuide PRO, in combination with high-precision measuring tasks using line, or CIS, camera technology. BST COATINGControl, for example, ensures razor-sharp positioning of the coating geometry on the electrode substrates during the coating process in the production of lithium-ion batteries. Closed-loop control eliminates the smallest deviations before they cause quality-related defects.

The intuitive user interface provides a live image of the current coating position and provides an option to view strong edge effects. BST COATINGControl impresses with a comprehensive relief of technical staff and is easily set up and integrable into any machine environment thanks to open interfaces.

Surface inspection via iPQ-Surface

BST presents a powerful surface inspection system for quality assurance in material product and its subsequent processing with iPQ Surface. iPQ-Surface combines state-of-the-art camera technology with innovative multiplex illumination, and makes even the smallest defects visible in a compact installation space. While transparent and opaque films are being inspected at ICE Europe, the iPQ-Surface is also available for battery cell production or cold seal applications. The system offers a modular concept for illumination and camera options, as well as an intuitive user interface perfectly tailored to the user.

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BST web guiding: precise and innovative

BST presents two unique solutions: the FRAMEGuide Pro web guiding system and the CLS Cam 100 camera-based sensor. The FRAMEGuide Pro enables the highest possible precision in control behavior due to its high-precision drive. Repeat accuracies of +/- 10µm can be achieved. With the CLS CAM 100, webs can be controlled according to objects or motifs in the print image, even at the highest running speeds. The control line at the edge of the material, including waste, is superfluous.

100 % print inspection for comprehensive quality control

TubeScan XL is the cost-effective entry into 100 % print image inspection for material finishing. Originally developed for narrow web and label printing, the system is now available for web widths up to 1,700 mm as of last year. It reliably inspects variable data, such as barcodes and QR codes, even at web speeds of up to 500m/min.

SMARTData in use:

Precise job handover and seamless quality documentation

SMARTData provides seamless, cross-process and position-accurate quality data mapping from different processes, – which is the prerequisite for automation. At ICE Europe, BST will be presenting the system's capabilities for the first time in a specific application for process optimization: The data is transferred from the prepress stage of the ERP system via SMARTData to the quality assurance systems with positional accuracy.

Thanks to the position-accurate data assignment, rejects can be detected early and removed from the production line in a targeted manner. As a result, subsequent production processes are only supplied with flawless materials and the basis for exclusively high-quality products is created.

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About BST

BST GmbH, a company of the elexis group of companies, is one of the leading suppliers of quality assurance systems for web processing industries. The company is based in Bielefeld and offers solutions for web guiding, surface inspection, web monitoring, 100% inspection, color measurement, color management, register control and automation. In these areas, the company has decades of practical know-how 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 monitoring, smooth production processes and first-class service worldwide.

www.bst.elexis.group

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Images and captions:



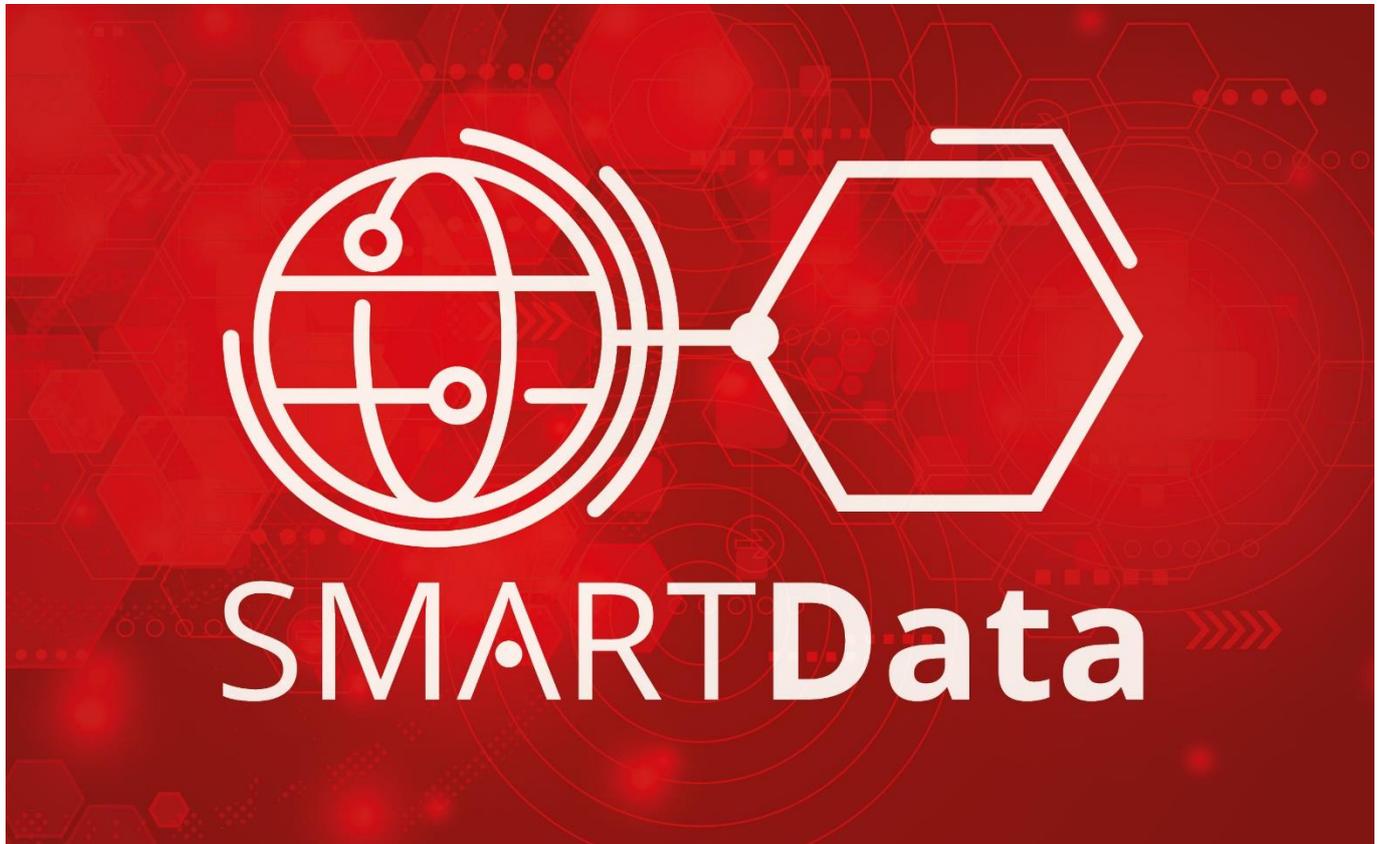
((CLS_CAM_100_2.jpg)) With the CLS CAM 100, webs can be controlled according to objects in the print image - the control line at the edge is thus superfluous.

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((iPQ-Surface.jpg)) The surface inspection system for quality assurance in material production and its further processing is also available for battery cell production or cold seal applications.

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((SMARTData Visual_quer)) BST SMARTData provides seamless, cross-process and position-accurate quality data mapping from different processes.

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