

Press release

drupa 2024: BST presents new functions of the world's best register controller regi_star 20

Customized register control: customer-specific modifications for every application

Bielefeld, May 2024 - Optimum color results and reliable error prevention even at highest web speeds: BST register controllers ensure that individual colors match 100% accurately in multicolour printing and thus significantly minimize material and costs. In addition to the world's best register controller, the eltromat regi_star 20, which shines with innovative functional enhancements at this year's drupa, the BST product range includes several other controllers of the latest generation. Equipped with fibre-optic sensors or matrix cameras, they reliably detect and measure all print marks and thus open up significant optimization potential on the way to zero waste. The open system architecture and diverse modification options of the BST register controllers enable highly flexible machine integration and application-specific adaptation to meet the individual customer's requirements in the best possible way at all times.

The register controller was the first product in the more than sixty-year history of BST GmbH. Since then, BST's register control systems have set global standards in terms of quality and precision - above all the renowned eltromat regi_star 20 register controller: The system is a true performance talent and guarantees maximum automation for all common printing processes, tool stations and insetter applications. With its adaptive RSH fiber optic register mark sensor, fully automatic scanning technology and modern matrix cameras, it offers a wide range of intelligent functions for effective register control. Application-specific modifications are easily possible with regi_star 20 - this service is an integral part of BST's high level of technical expertise and consulting competence. "Our claim does not end with supplying customers with a prefabricated product," explains Dieter Jochmann, Product Manager at BST. "We provide comprehensive advice and work with our customers to find a solution that is a perfect fit for the respective machine and application in order to generate real added value."

SMARTData integration and new UV sensor

At drupa, BST is once again pulling out all the stops and presenting two further developments of the regi_star 20, which will reduce makeready times and waste even further in future and thus contribute to overall process optimization. Thanks to SMARTData, the register controller can now be fully integrated into the customer environment. Jobs can be loaded directly from prepress into BST systems and processed highly efficiently - exactly as planned by the process engineer. The process data provided also helps with optimization, so that potential rejects can be minimized even further. The second innovation is a UV sensor, which complements the established RSH sensor

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family of the regi_star 20 and enables the detection and scanning of UV coatings in the wavelength spectrum from 370 to 390 nanometers. Handled like a standard sensor, UV coatings can be quickly adjusted and the printing set-up process significantly accelerated. "The regi_star 20 embodies our wealth of experience and our quest for perfection in the field of register control," emphasizes Jochmann. "The result is a register controller with which our customers can master all the challenges of everyday printing and which opens up tangible optimization potential. After all, every single error prevented saves a considerable amount of waste and therefore also costs."

In addition to regi_star 20, the universally applicable TWINstar register control system will also be on show at drupa. The compact system is particularly impressive for controlling trailing printing units, finishing or tool stations and for inseting pre-printed materials. The range is rounded off by the AR 4400 register controller, which enables precise register adjustment on many machine types such as offset, flexo and label printing presses.

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.

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.

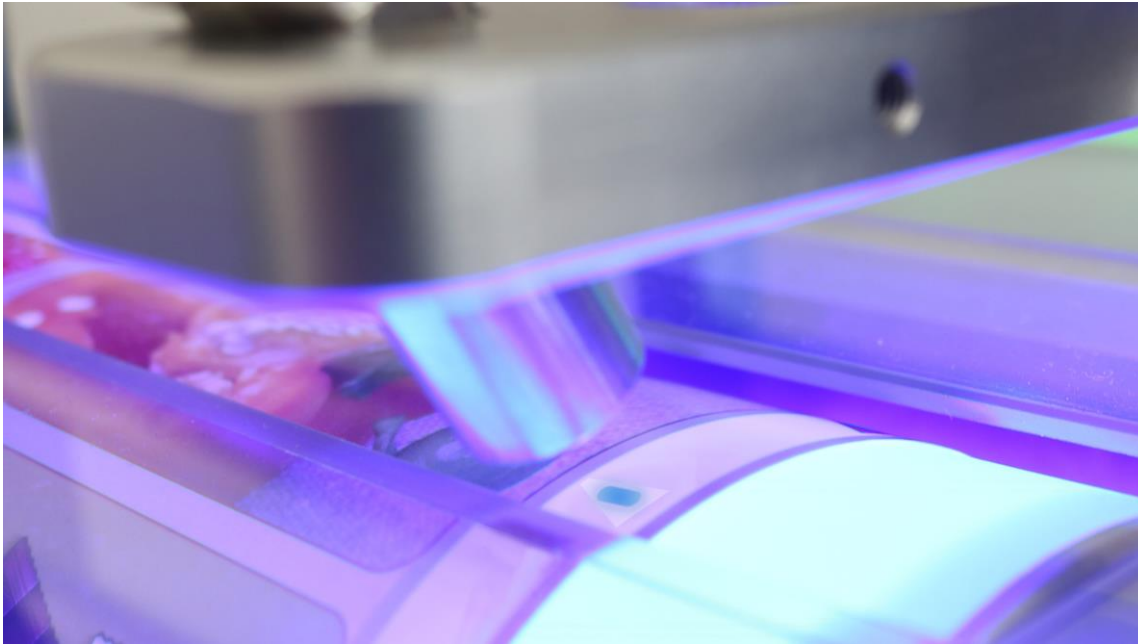
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Images and captions:



(Image: BST_Sensor RSH-UV)

With the new RSH-UV sensor, the lateral and longitudinal register of UV coatings can be adjusted quickly and reliably. A register control for all cases: In line with the campaign motto "FOR YOU", BST project engineers work together with their customers to develop application-specific system solutions that fit the machine and customer requirements 100%.

picture: BST GmbH

downloadable under: www.bst.elexis.group/news/drupa-2024