

Press Release

New from Baumer hhs: The MLT-STA as an entry-level solution for cost-efficiently controlling glue application on flexo folder gluers

Krefeld, April 9th, 2018 – MLT-STA is the name of a new system from Baumer hhs for cost-efficiently glue detection on flexo folder gluers. Based on proven technology and available as a stand-alone detection system, the MLT-STA was engineered specifically for manufacturers of corrugated box packaging who until now have gone without monitoring glue application. The MLT-STA works in combination with any existing glue extrusion system available on the market.

This low-cost detection system is easy and convenient to set up and operate via touch screen. With integrated optical MLT-40 multi-bead cold glue sensors from Baumer hhs. The MLT-STA can check up to three glue beads on one or two sides. The MLT-40 sensors are in use for glue detection around the world for all kinds of corrugated board processors and have proven to be highly reliable in day-to-day production.

The MLT-40 sensor checks in fractions of a second whether glue was applied in the right spots on the glue flaps and that glue beads are not extended. It also checks compliance with prescribed distances from the edge of the glue flaps (edge detection), so that no glue oozes out when a box is folded. If the MLT-40 detects any deviations from target specifications, it immediately sounds an alarm, alerting the machine operator with both acoustic and visual signals. The MLT-STA then automatically marks faulty corrugated boxes with a UV liquid, making it easy for machine operators to identify and remove them at the ejecting unit of the flexo folder gluer.

“Worldwide, a lot of the older flexo folder gluers in particular are still equipped with capacitive sensors for glue or moisture detection. These devices are very sensitive to the fluctuating moisture content in the corrugated board, which is why they tend to operate unreliably and therefore are not really suited to processing corrugated boxes. They often are switched off in practice as a result, meaning that these folding box manufacturers are going without checking glue application. In view of the rising global demands on the quality of corrugated boxes, this is an untenable situation for manufacturers. With the MLT-STA, we have now developed an economical solution that fills this gap and can be retrofitted in flexo folder gluers without any major expense or effort. Because our MLT-40 is an optical sensor, it is

impervious to fluctuating moisture content in the sheets of corrugated board,” says Andreas Schneiders, Technical Sales Manager Corrugated at Baumer hhs, explaining the benefits of the new system.

The MLT-STA generates reports in PDF format for every job, which corrugated board processors can use to document the quality of their production systems to their customers. What is more, measured values can be exported to Excel in CSV files to conduct statistical analyses and optimise the productivity of a flexo folder gluer.



Baumer hhs introduces the MLT-STA, a new system for economically detecting glue application on flexo folder gluers, developed specifically for corrugated box manufacturers.



The MLT-STA is easy and convenient to set up and operate via touch screen. This low-cost control system checks glue application on one or two sides using MLT-40 optical, multi-bead cold glue sensors from Baumer hhs, which have proven their worth in practice for years the world over.

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Baumer hhs GmbH

Baumer hhs GmbH, Krefeld/Germany, is a leading, internationally operating manufacturer of industrial gluing systems in conjunction with quality assurance and camera verification systems. Baumer hhs offers its customers a carefully coordinated portfolio of solutions for a host of different demands on cold glue and hot melt application in automated production environments, including application heads, pumps, pressure vessels, control and monitoring systems. The portfolio is rounded off by a comprehensive range of services, from consulting and the testing of innovative applications at the hhs solution center in Krefeld, all the way to every form of after-sales service. Solutions from Baumer hhs are used in the folding carton and corrugated board industry, in print finishing, special-purpose machines and many other applications.

For more information on the Baumer hhs company, its products and its services, go to: www.baumerhhs.com.