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Ausgabe: Nr. 778, Mai 2020

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## **Perfectly printed corrugated board thanks to CartonSTAR**

### **Increased quality with 100% inline print inspection**

**ISRA VISION, the world's leading provider of surface inspection systems, offers cutting-edge technology for continuous quality and process control of the printed image on corrugated board surfaces with its 100% inline inspection system CartonSTAR. The system, which is used in both "post-print" and "pre-print" stages of production, reliably differentiates between quality-relevant defects and inhomogeneous surfaces.**

Never before has there been as much emphasis on quality and consistency of printed corrugated board. Due to these increasing demands, suppliers of state-of-the-art packaging solutions need to provide precisely documented quality. With inspection during the printing process, the printer can depend on continuous, automatic visibility of the printed image and material quality. Using inspection systems significantly reduces the necessity for manual quality checks by dramatically reducing waste. Other benefits include the reduction of costly reprinting and the ability to run the press at higher speeds for improved productivity. The inspection data can even be used to investigate the causes of defects.

#### **Meeting 100% of customer demands 100%**

CartonSTAR is an inline inspection system designed to meet the stringent quality requirements of the competitive corrugated industry. It detects all relevant defects on the printed surface. Thanks to its enhanced functionality, the system can reliably differentiate between typical surface structures and defects, all in real time, even at full production speeds. As such, the system is capable of "disregarding" the inhomogeneous surface structure of the corrugated board while reliably locating and categorizing anomalies in the print, including color deviations.

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CartonSTAR utilizes sophisticated “defect classifiers” to precisely identify abnormalities independent of substrate imperfections resulting in defect free product for your most demanding customers. Since the system is able to focus on actual defects, it helps to achieve higher production throughputs.

### **Adaptable to all applications**

The highly configurable CartonSTAR system can be tailored to accommodate the most challenging printing tasks. Even holograms can be inspected. With its compact design, the system easily integrates into most printing presses and die-cutters. ISRA LED lighting is highly efficient and durable, designed to run for many years without any maintenance. All system components are built to withstand the toughest environmental conditions of corrugated board production.

CartonSTAR can provide communication for defective sheet ejection, conserving resources and saving costs in the production process while also giving the operator peace of mind that only defect-free product is on its way to customers. In addition, the system reporting tool registers all incidents and presents them in a clear, concise defect report for distribution to the quality department and the customer.

### **Summary**

100% inspection with CartonSTAR increases product quality while reducing production costs. Moreover, the solution provides the means to monitor your printing process and quickly alert the operator to correct problems that often lead to unnecessary production waste. The savings provided by 100% inspection strengthens your company’s reputation for quality products and secures a competitive advantage.

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Images:



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Corrugated board is one of the most popular packaging materials, and is ever more elaborately printed. Due to the increasing quality demands on the global market, suppliers of state-of-the-art packaging solutions need to provide precisely documented quality.

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778-2.jpg

With CartonSTAR, ISRA VISION offers an inline inspection system that perfectly meets the requirements for the 100% inspection of corrugated board in the printing process.

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Whether pop-up displays, shelf-ready or secondary packaging: A point of sale without elaborately printed corrugated board is nowadays difficult to imagine.

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778-4.jpg

The CartonSTAR inspection system reliably detects print defects such as missing colors, dirt, splashes or print registration errors, thereby increasing the quality of salable material.

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