FCS-WIS Sheeter Technology - Series 3600

SPLICE DETECTOR

Maximize Profitability:

Increasing customer demands require comprehensive quality management and control. Sheet fed printing and packaging processes require higher end product of specialty coated and non-coated material that is demanding in terms of quality and delivery.

Production efficiency standards that facilitate continuous quality control initiatives and machine runnability are essential key components to ensure a competitive edge in this very demanding segment of the market. The Folio Cut Size Web Inspection System will provide comprehensive quality management to ensure defective material is detected, classified and diverted from one to multiple successive sheets prior to stacking.

Detect and Index All Defects:

Dual sensing with flexible lighting techniques developed by us provides the capabilities to detect and index all defects common in any web material manufacturing process. Using high speed digital linear and patented streak sensing technologies allow our FCS-WIS technology to see more clearer, perform more accurately and provide consistent results unattainable with older technologies or single source sensor matrix solutions. This blend of both sensing technologies, patented defect signal and noise reduction processes, and our built in data mining algorithms provide precise and comprehensive web quality assessment and unprecedented performance.

MODEL 3600™

TECHNICAL SPECIFICATIONS

Defects Types Detected:	Blisters	Creases	Dirt
	Pinholes	Scale	Holes
	Spots	Oil	Scores
	Linting	Lumps	Knots
	Edge Cracks	Air knife	Wrinkle
	Grit Lines	Tearouts	Bugs
	Scratches	Streaks	Blade Lines

Minimum Detectable Defect: **Streaks and Scratches:** **All Other Defect Types:**	0.0001" (0.0025 mm) 0.00001 sq. mm
Maximum Detectable Defect: **Streaks and Scratches:** **All Other Defect Types:**	Unlimited Unlimited
Maximum Web Speed:	To 10,000 ft/min. (3,048 m/min.)
Basis Weight Range:	Subject to Tests
Material Color Range:	Subject to Tests
Line Scan Cameras: Type: Lens Focal Length: Field Of View (FOV): Maximum Data Rate: Pixel Resolution:	 1024/2048 25/50 mm 0.1" (2.54 mm) Min. up to 40 MHz 0.0001" (0.0025 mm) in CD
Streak Scan Cameras: Type: Lens Focal Length: Field Of View (FOV): Pixel Resolution:	 Proprietary 25 mm up to 10" CD (0.1" (25.4 cm) 0.0002" (0.005 mm)
Material Color Range:	Unlimited
Illumination:	Proprietary
Ambient Temperature:	40 to 160° F (4 to 70° C)
Power:	120/220/240 VAC 50/60 Hz Single Phase 3 -10 KW Dependent On Width

Specifications are subject to change without notice.

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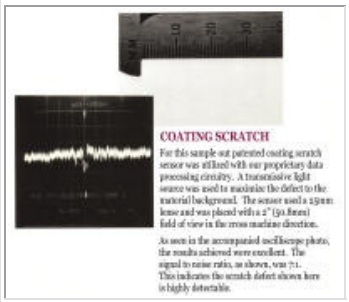
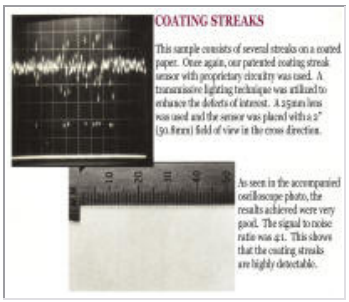
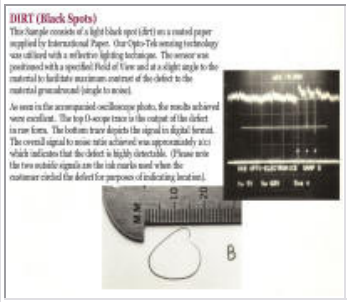


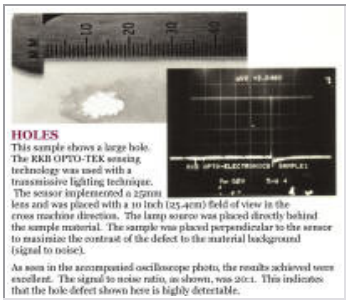
Coating Scratches



Coating Streaks



Dirt Type Defects



Hole Type Defects

From Unwind

R.K.B. FCS-WIS Material Inspection

To Slitting

To Cutting

To Defective Sheet Diversion

To Stacking

Location, Location...Location:

The inspection technology is mounted prior to the cutter in-feed. Upon detection of critical defects, a reject gate will be activated momentarily altering the flow of the sheeted material allowing the "BAD" sheets to divert into a reject bin. This ensures the skids of sheeted stock remain free of critical defective product at the source and not at your customers' process. These quality initiatives will prevent and reduce smash blankets, press downtime, damage to sensitive components or coating equipment and delivery delays costing you customers and market position.

100% Inspection Coverage:

Each FCS-WIS is designed to span the entire web width for 100 percent inspection of the web material. Now you can guarantee that your products are fully qualified prior to subsequent processing or shipment to customers.

Our QAMS (Quality Assurance Management) Toolpack™ will ensure the most important defects are data mined for time-sensitive verification processes. Complete defect data collection, analysis, reporting, setup, and diagnostic capabilities provide accurate and consistent process control initiatives and production recipes that give operational staff user friendly setup parameters from run to run. Our QAMS is quick and efficient to ensure all future slit and cut references are met delivering a continuous flow of good material to the stacker. From unwind to stacking, you can be rest assured production will be maintained efficiently, quality will increase, customer satisfaction and loyalty will increase and your products will be defect free.

Call R.K.B.:

Call us today to discuss your complete machine vision imaging application.

Splice Detector Technologies
A partner unit of R.K.B. OPTO-ELECTRONICS, INC.
6677 Moore Road ■ Syracuse, New York ■ 13211 ■ United States of America
Tel: +001-315-455-6636 ■ Fax: +001-315-455-8216 ■ Email: sales@splicedetector.net
Internet: http://www.splicedetector.net / www.rkbopto.com / www.webinspection.us