



Detect Elevation Defects

Model 4010® Crease and Lump Detectors are designed to detect creases, lumps, splices, and other types of elevation defects in moving webs of material. Because of their mechanical construction and operating principles, these detectors can be used in a wide variety of web inspection applications.

Monitor All Materials

Choose Model 4010 Crease and Lump Detectors for on-line monitoring of metallic and nonmetallic papers, plastics, foils, films, textiles, and other types of web manufactured materials. As elevation defects are encountered, an inspection roller in the device momentarily loses contact with the web material allowing light to reach a photocell for defect detection and subsequent control of processing equipment.

Automatically Adjust To Changes

Sensing heads in Model 4010 detectors use rolling contact, and minimal contact force, to prevent damage to the web material during inspection. Each sensing head is self-compensating and self-aligning allowing the detector to automatically adjust to changes in the type or caliper of web material.

Span Any Web

Model 4010 Crease and Lump Detectors use modular sensing heads with two three inch long rollers to provide a six inch wide inspection capacity. These sensing heads can be combined, side by side, to span any web width required for your application.



4010™

TECHNICAL SPECIFICATIONS

Defects Types Detected:	Creases Lumps Splices Wrinkles Other Elevation Defects
Minimum Detectable Defect:	0.001" (0.025 mm)
Sensitivity:	Continuously Adjustable
Sensitivity Range:	100 to 1
Web Material Texture:	Smooth
Inspection Increments:	6" (15.24 cm) per Head Unit Each Containing 2 Roller Type Light Gates 3" (7.62 mm) Long
Maximum Inspection Width:	Unlimited Through Side By Side Installation of 6" Head Units
Contact Head Pressure:	2 ounces/linear inch (2 grams/linear millimeter)
Maximum Web Speed:	1,000'/min. (304.8 m/min.)
Outputs:	Standard: Audio/Visual Alarm 9-12 VDC Pulse Reject Control Output Optional: Edge Marker Output Counters Microcontroller Based Display
Mounting:	Per Existing Equipment Requirements
Illumination:	Fluorescent Light Sources
Ambient Temperature:	40 to 160° F (4 to 70° C)
Power:	120/220/240 VAC 50/60 Hz Single Phase

Specifications are subject to change without notice.

Add Analysis and Reporting

Repeating defect detection and defect size classification capabilities are included with each Model 4010 System. Our QAMS® Quality Assurance Management System software can also be added to the system to provide:

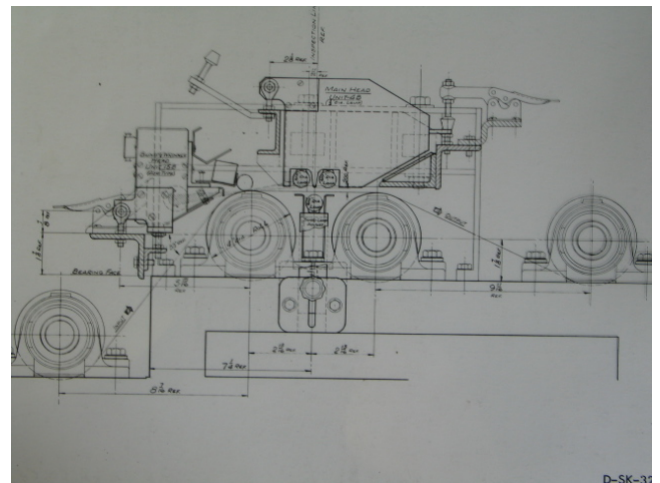
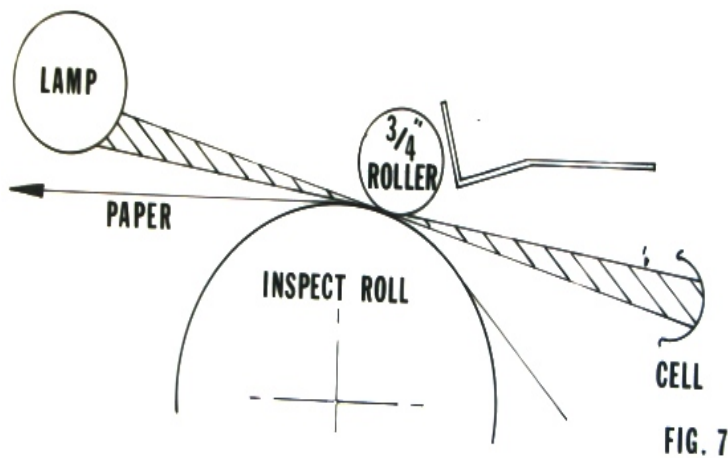
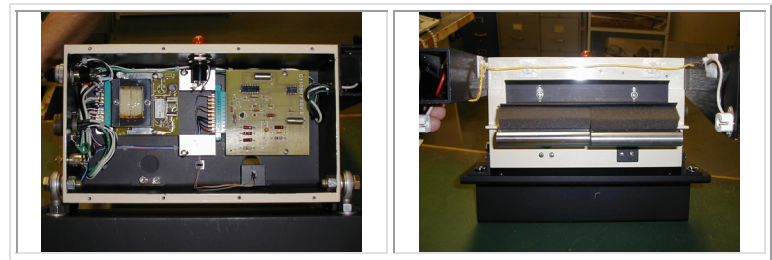
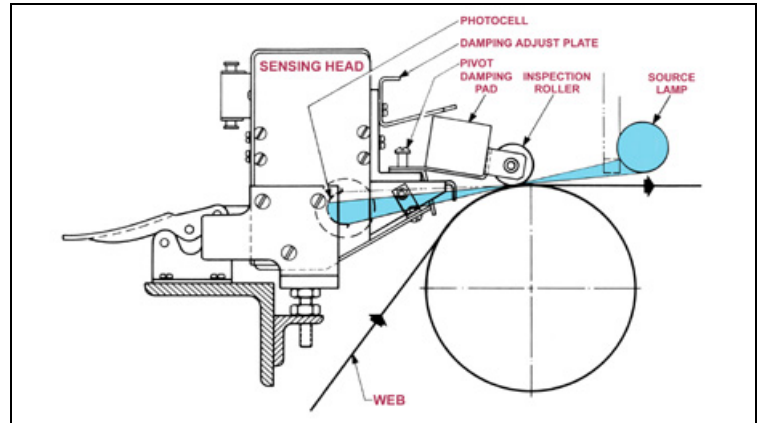
- Analysis and Charting
- Footage Tracking
- Product Code Identification
- Material and Process Traceability
- Real Time and Historical Reporting
- Status and Parameter Displays
- On-Line Diagnostics

Demand Proven Performance

The RKB Model 4010 Coating Lump and Crease Detection Technology has been designed for stable and reliable operation under real world conditions found in various low, high and ultra high-speed coating, laminating, printing and other various conversion processes where elevation defect detection is required. Their performance is well established and proven in various installations worldwide.

Call RKB

Call us to discuss your hole detection requirements and to learn more about the industries most cost effective and reliable hole detector in the world.



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