

Crease and Lump Detection Technology



MODEL 4010™

Specifications

Defect Types Detected: Creases
Lumps
Splices
Wrinkles
Other Elevation Defects

Minimum Detectable Defect: 0.001"
(0.025 mm)

Sensitivity: Continuously Adjustable
Sensitivity Range: 100:1
Web Thickness: Unlimited
Inspection Increments: 6" (15.24 cm)
per Head Unit

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 mm)

Maximum Web Speed: 1,000'/min.
(304.8 m/min.)

Outputs: Standard: Audio/Visual Alarm
9-12 VDC Pulse

Optional: Reject Control Output
Edge Marker Output
Counters
Microcontroller Based
Display

Mounting: Per Existing Equipment
Requirements

Illumination: Fluorescent
Ambient Temperature: 40 to 160° F
(4 to 70° C)

Power: 110/220 or 220/240 VAC
50/60 Hz
Single Phase

Specifications are subject to change without notice.

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.

Call RKB

Call us to discuss your web inspection applications and to learn more about the industry's most complete line of web inspection related products.

