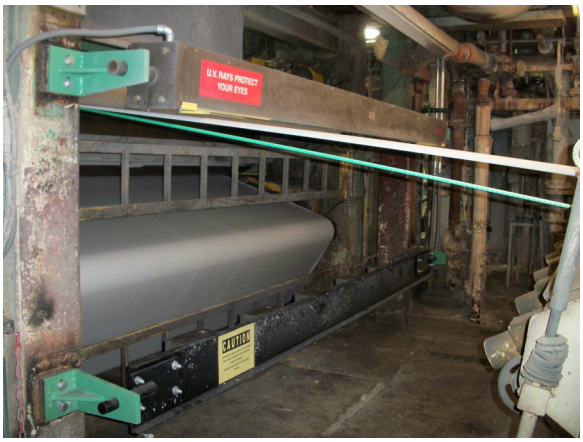
Model 2086 UV Resistive Coating Skip™ Detection Technology

RKB OPTOELECTRONICS



Choose Cost Effective Inspection

The Model 2086 UV Resistive Coating Skip™ Detection Technology provides the most cost effective, real time, detection and classification of coating skips as small as 1/16" (1.5mm) diameter in any translucent web material that has UV resistive coating applied. The coating, which acts as an opaque barrier, prevents the ultraviolet light from reaching the sensing heads. When a skip, as well as a hole, passes by the ultraviolet light, UV will then transmit to the sensing heads where defect signal processing is performed. The sensing head technology consists of a small, water-tight enclosure which contains the main sensor and associated signal processing circuitry.

Improve Profitability

The Model 2086 UV Resistive Coating Skip™ System can be quickly, easily, and inexpensively added to existing production equipment. These systems have been proven over time under real world conditions on many types of production equipment including:

- Coaters
- Slitters
- Rewinders
- Etc...

These systems provide production, maintenance, and managerial personnel with immediate notification of coat skip defects and the information they need to quickly locate and correct defect producing conditions. Choose our Model 2086 UV Resistive Coating Skip™ systems to improve the productivity and profitability of your production operations.

MODEL 2086™

TECHNICAL SPECIFICATIONS

Defects Types Detected	Coat Skips Holes
Minimum Detectable Defect	0.625" (1.5 mm) Diameter
Maximum Web Speed	8,000 ft/min (2,438 m/min.)
Basis Weight Range	N/A
Material & Color Range	Translucent Films
Illumination	Germicidal Ultraviolet
Web Width Adjustment	Maximum Web Width Minus 20" Each Side
Ambient Temperature	40 to 160° F (4 to 70° C)
Power	208/220/240 VAC 50/60 Hz Single Phase 3.0kW average

Specifications are subject to change without notice.

Fully Qualify Your Products

Each Model 2086 UV Resistive Coating Skip™system is designed to span the entire web width for 100 % inspection of the web material. Products can now be fully qualified prior to shipment to customers. Various marking devices can also be combined with a Model 2086 UV Resistive Coating Skip™system to provide visible edge marks that positively identify coat skip size and/or defect location for manual or automatic product classification.

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.

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@rkbopto.com
Internet: www.rkbopto.com / www.webinspection.us / www.hole-detection.com

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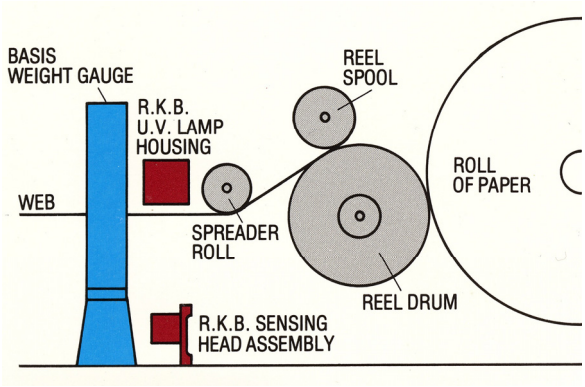
Demand Proven Performance

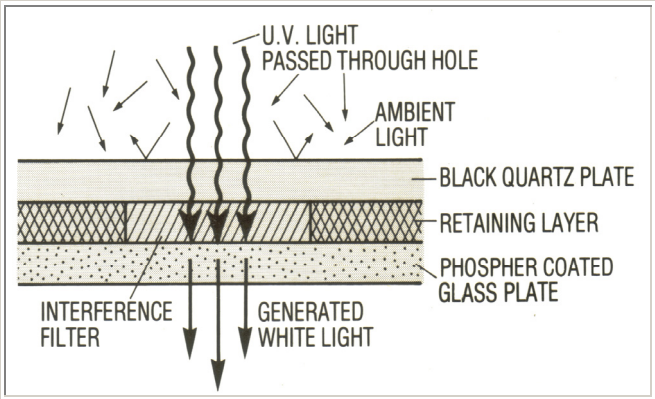
RKB UV resistive coating skip defect detection technologies have been designed for stable and reliable operation under real world conditions found in various low, high and ultra high-speed papermaking, printing, and converting processes. Their performance is well established and proven in various installations worldwide.

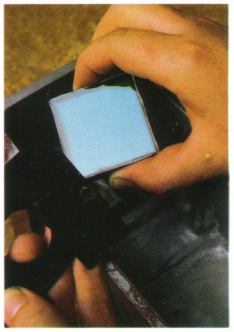


Add Analysis and Reporting

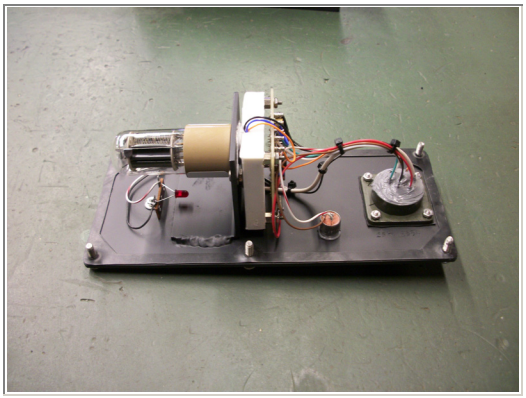
Repeating defect detection and hole size classification capabilities are included with each Model 2086 UV Resistive Coating Skip™system. Our QAMS® Quality Assurance Management System software can also be added to the system to provide:

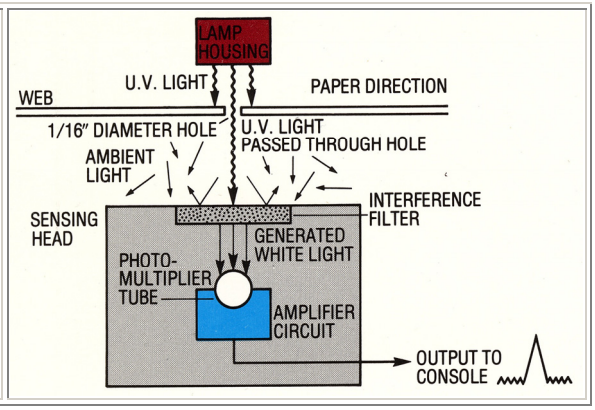
- Analysis and Charting
- Footage Tracking
- Product Code Identification
- Material and Process Traceability
- Real Time and Historical Reporting
- Status and Parameter Displays
- On-Line Diagnostics





(top) The multi-stage detection process.
(above) Diagram illustrates the ultra-violet light conversion process of the interference filter.
(left) R.K.B.'s light converting interference filter is assembled with the finest components available.





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Internet: www.rkbopto.com / www.webinspection.us / www.hole-detection.com