Discovery PQ is the latest generation of Print Quality Inspections Solutions from Lake Image Systems. Featuring high resolution Line Scan cameras, Discovery PQ can acquire large format images of a continuous web for multiple, simultaneous, print quality and integrity inspections.

### Discovery PQ: Line Scan Technology

The line scan camera is capable of imaging an entire web for continuous printing applications. Unlike area scan cameras which capture a specific area of a document with one snapshot, line scan cameras have a single line array of sensors which process a target moving underneath the camera and build the image one entire line at a time.

Discovery PQ can acquire high resolution images of up to 6000 pixels wide at speeds up to 300m/min on all presses, narrow web label presses and rewinders.

### Print Quality Assured

- Discovery PQ immediately identifies print defects such as streaks and voids
- Alarms notify operators of defective print in real time.
- User defined tolerances stop false alarms
- Defect map gives coordinates and images of faults within a printed reel for easy identification and removal of defective print
- Quick return on investment. Run-on print is automatically calculated, preventing costly re-work and setup.
- Comprehensive reporting module for job and print run data assists job scheduling, productivity and quality assurance
- Simple user interface with touch screen operation
- Retrofittable installation to presses and rewinders: Enhance the performance of your existing equipment.
- Web stability frame, web guide and path rollers available when necessary.
Discovery PQ is ideal for web and rewinder applications, where print quality verification is paramount.

Inspect & Display
- Foils
- Clear Films
- Flexible Packaging
- Variable Printing
- Labels, Cards & Tickets

Input Devices

**Line Scan Cameras**
2K, 4K or 6K Line Scan
Colour and B&W

**Triggering**
High resolution encoder

**Processor/ Interface**

**Operating System**
Windows™ XP

**Processor**
Intel Pentium IV

**Process Time**
In excess of 300m/min

**Chassis**
Standard PC or Industrial Rack (IP54 rated)
Power 110-230VAC

**Approvals**
CE/UL Certified

**Interface**
Touch Screen Monitor

(Discovery PQ is configured with standard, secure network interface for remote service and support)

**Outputs**

**Digital Outputs**
Fully configurable, opto-isolated digital output lines

**Integration Hardware**

**On Press**
Standard press mounting kits

**Rewinders**
Web stability frame, web guide and path rollers available when necessary

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