

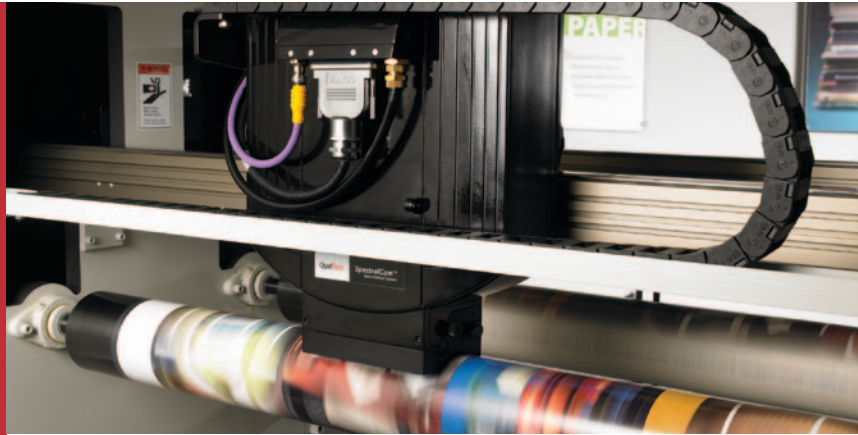
## QuadTech® Inspection System with SpectralCam™

### Packaging & Converting

### Commercial

### Newspaper

### Publication Gravure



The QuadTech Inspection System with SpectralCam is the only system that provides 100% defect inspection and true spectral color measurement.

*Brand is king when it comes to packaging. Defect-free printing and accurate, high-quality color are musts for delivering the results packaging professionals demand. The Inspection System with SpectralCam not only offers exacting color and inspection, but greatly reduced makeready time and waste. Your competitive edge is sharpened. Your profit margins strengthened.*

### Finally, one inspection system that does it all

*The QuadTech Inspection System uses a unique suite of advanced algorithms to inspect the entire substrate 100 percent of the time. In addition to that impressive capability, this system also has our innovative SpectralCam, which accurately measures the spectral response and calculates L\*a\*b\*, ΔE, Density and ΔDensity ... all at full press speeds. Subjectivity is a thing of the past. Superior color consistency and product quality are the new norm.*

In today's pressroom, perfect proof-to-product color reproduction is a requisite. You're also expected to achieve exceptional results quickly, efficiently and cost-effectively. With the Inspection System with SpectralCam, you'll quickly reap benefits from your investment.

- **Consistent, predictable results.** Solid-state lighting system produces perfect illumination with no variation over time, allowing you to see product to its lowest level of granularity to detect hickies, smudges, hazing, streaks, misregistrations and other common print faults.

- **Fast, accurate color.** Smart spectrophotometer technology enables the system to quickly detect and analyze colorimetric and density variations from targets located anywhere within the product while the press is running.
- **Reduced waste.** With 100 percent defect detection and the ability to monitor color in real time, waste is minimal.
- **Faster makeready.** With the ability to get into color faster, makereadies are quick and painless.
- **Improved quality.** Real-time display and trend graphs arm operators with valuable information to assess product quality and press performance.
- **Flexible.** Color target tolerances can be set individually or globally. Modular architecture enables inspection at any resolution during printing and converting processes.
- **Continuous improvement.** With the addition of QuadTech® Data Central® for Inspection, the Inspection System with SpectralCam becomes a powerful auditing and reporting tool to aide with compliance and strengthen decision making.



# QuadTech® Inspection System with SpectralCam™

## Specifications

### Performance:

Processing	Multiple Intel® Pentium® CPUs
Operating system	Microsoft® Windows®
Communication means	Gigabit Ethernet
Backup	UPS
Environmental protection	On-board climate control
Maximum operating press speed	3,500 ft/min (18 m/sec)
Maximum web width	Up to 114" (2896 mm)

### System Requirements:

Voltage	110V/220V +/-5
Current	(MAX) 38A @100VAC, 16A @240VAC (2 web system)
Frequency	50 or 60 Hz
Phase	Single phase

### Inspection System Process Technologies:

Cameras	Up to 8 x 3CCD linescan (camera stand provided)
Lighting	Water-cooled or air-cooled LED (configurations suitable for paper, cardboard, foil and transparent substrates)

### SpectralCam Process Technologies:

Scanner sensor type	Spectrophotometer
Color response	Status T, Status E, DIN and L*a*b*
Light source	Xenon flashlamp
Scanner transport	Linear positioner
Minimum target size	1/8" x 1/8" (3 mm x 3 mm)
Colorimetric measurements	L*a*b* and ΔE
Densitometric measurements	Density and ΔDensity from defined targets

### Environment:

Temperature range	5° C - 50° C (41° F - 122° F)
Maximum humidity	90% non-condensing

### Interfaces:

	Press Interface Board (PIB)
	Modem (for remote diagnostics)

### User Interface:

Type	TFT touch screen
Location	Panel mount or suspended on an extendable arm
Operating system	Microsoft® Windows®

### Certifications:

	Meets CE Standards
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*QuadTech enhances your competitive edge with powerful, performance proven solutions that boost quality and efficiency, reduce waste and increase your profitability.*

*For details, contact your QuadTech representative.*

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