

## QuadTech® Color Control and Web Inspection System with AccuCam™

Newspaper



*To stay competitive, today's newspaper printer has to maximize capital equipment investment. QuadTech has a strong history of solving challenges like this for the newspaper, retail insert and commercial markets. Our award-winning AccuCam combines industry-leading color control, web inspection and water control ... all from the same sensor. That makes it a single source for achieving optimal print quality and increased productivity and profitability.*

2012  
INTERTECH™  
TECHNOLOGY  
AWARDS



FOR INNOVATIVE EXCELLENCE

Commercial



Publication Gravure

Packaging

**Better color control. Better quality. Stronger advantages.**

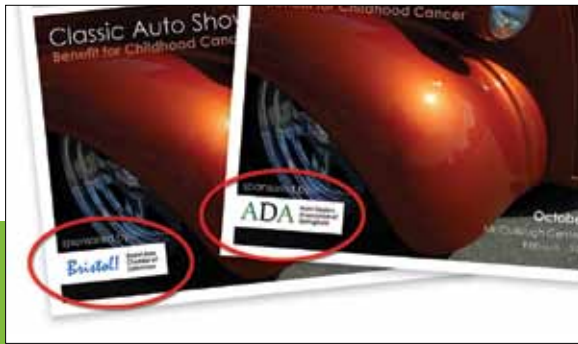
*Now, you can profit from the advantages of the ultimate in color control working in tandem with superior web inspection and water control. Our understanding of your printing needs combined with our vast product development expertise led to the creation of the industry's best automated color control system with advanced inspection capabilities to identify real-time defects across the entire printed web. AccuCam also has automated water control capabilities to ensure optimum water and ink balance. This innovative system delivers unmatched quality and labor and cost savings.*

**Exceptional accuracy.** AccuCam's proprietary 6-channel spectral sensor uses QuadTech's patented technology for L\*a\*b\*-based color control that eliminates the need for color bars or

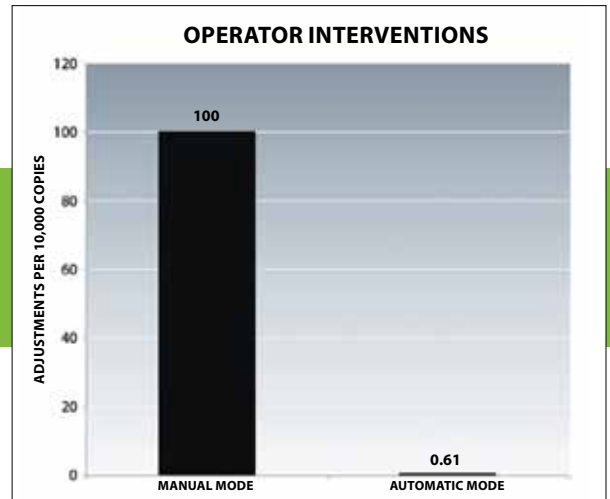
gray bars. This image-based, closed loop system automatically obtains target aim point values from a high-resolution prepress file to maintain accurate color by automatically adjusting ink keys. The system also automatically controls and optimizes ink/water balance and the ink fountain ball for superb inking performance. You get better color, minimized operator intervention, and reduced ink, water and waste.

AccuCam also inspects all surfaces and detects common print faults such as scumming, blanket smashes and color variations. The system even identifies plate crack-out and verifies plating issues like transposed plates or running the wrong version. The result is complete accuracy, striking color and improved profitability.

The opportunity for errors is high when you're printing variable ads, editions and inserts. QuadTech dramatically improves accuracy by quickly identifying transposed plates.



Our inspection system catches scumming before it can become a costly, time-consuming problem.



AccuCam dramatically reduces the need for operator interventions during a newspaper press run, resulting in significant labor savings.

**Reduced labor.** QuadTech's fully automated system minimizes operator intervention and increases productivity with:

- Patented technology that automatically adjusts and controls color throughout the run for consistent top-quality color from start to finish.
- Immediate detection of transposed plates or incorrect versions.
- Web inspection that catches errors before operators can even see them.
- Water control to maintain the ideal balance of ink and plate dampening.
- The ability to rapidly adjust density compensation and maintain quality.
- Exclusive 6-channel spectral sensor technology for unmatched accuracy and consistency

**Waste and ink savings.** Our technology enables you to cut costs through:

- Unequaled speed and reliable accuracy from start-up through end of run.
- Consistent color, ink fountain ball and water control to avoid overinking, optimize water and ink balance, and reduce ink usage.
- Delivering exceptional quality and accuracy to eliminate advertiser rebates.
- Quick detection of plating errors.
- Easy adjustment of density compensation to save ink without losing quality.
- Notification of scumming at initial onset for quick adjustment by the operator.

**Improved profitability.** Your revenue-producing options are expanded with:

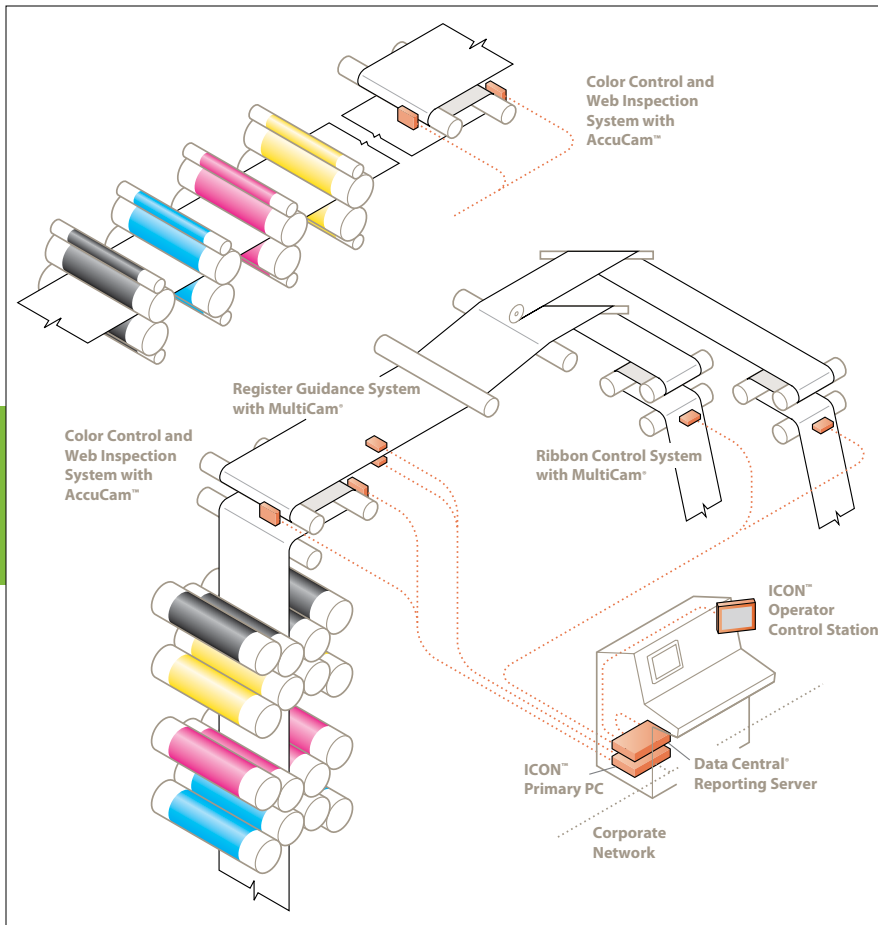
- Enhanced color quality and elimination of unsightly bars,

which enables you to handle more demanding color projects.

- Reliable plate verification to simplify the printing of variable ads, editions and inserts.
- Early warning of possible plate crack-out to avoid major equipment damage and extensive downtime.

**Ease-of-use.** Anyone – regardless of experience level – can be just as productive as your most experienced operators because our system:

- Is intuitive and easy to use, requiring very little training.
- Works with QuadTech's ICON™ integrated platform, which enables operators to run multiple press controls from a single operator control station.
- Has a straightforward user interface with easy-to-navigate screens and buttons.



The Color Control Run Screen is intuitive and easy to navigate.

**Low maintenance.** Designed specifically for the newspaper printing environment, our color control system minimizes common maintenance challenges. Features include:

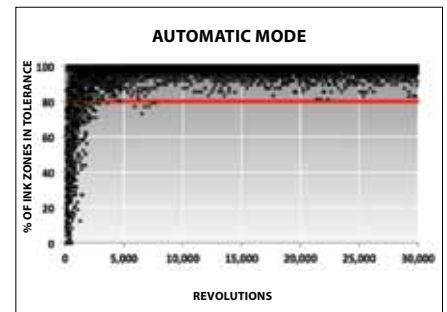
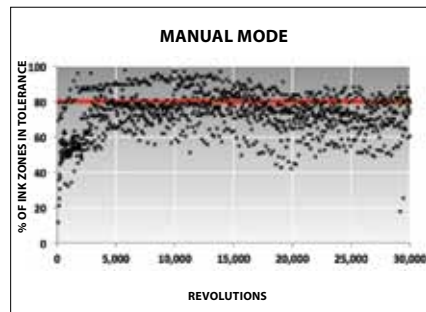
- OptiGuard™ to keep lens free of contaminants and reduce cleaning frequency.
- Long-lasting LED lighting for fewer bulb changes and minimized downtime.

**Continuous improvement.** Monitor and improve job and equipment performance by adding these powerful reports:

- Color Production Summary Report
- Color Average with Range Report

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

For details, give us a call today.



*These graphs show the difference in color quality between manual newspaper runs (left) and runs controlled with the Color Control and Web Inspection System with AccuCam (right). AccuCam's level of consistency combined with automatic inspection gives you the ability to meet growing customer needs with less labor. It also cuts your ink, paper and energy usage for higher profitability.*

# QuadTech® Color Control and Web Inspection System with AccuCam™

## Specifications

### Performance:

Maximum operating press speed	3,500 ft/min (18m/sec)
Maximum number of webs	36 webs
Maximum web width	96" (2438mm)
Sensor type	Proprietary 6-channel spectral sensor

### System Requirements:

Voltage	100 - 240 VAC
Frequency	50/60 Hz
Phase	Single phase

### Environment:

Temperature range	32° - 122°F (0° - 50°C)
Maximum humidity	20 - 95% noncondensing from Relative Humidity

### Interface Capability:

Press interfaces	Most major OEMs
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### Certifications:

	UL Approved
	Meets CE Standards

### Options:

Software Web Inspection	Plate verification and scumming detection
Software	Ink fountain ball control
	Water control
	Data Central Performance Reporting Module

Specifications subject to change without notice.

QuadTech.



**The Americas**  
United States  
+1 414 566 7500 **TEL**  
sales@quadtechworld.com

**Europe**  
France • Germany • Ireland  
Italy • The Netherlands •  
United Kingdom  
+31 294 496222 **TEL**  
qtesales@quadtechworld.com

**Asia-Pacific**  
China  
+86 21 62882525 **TEL**  
chinasales@quadtechworld.com

India  
+91 79 2642 1863 **TEL**  
indiasales@quadtechworld.com

Tokyo, Japan  
+81 48 839 8831 **TEL**  
tokyosales@quadtechworld.com

Osaka, Japan  
+81 6 6330 0919 **TEL**  
osakasales@quadtechworld.com

Singapore  
+65 6538 3517 **TEL**  
apsales@quadtechworld.com