Eliminate pre-press and pressroom defect issues to ensure perfect print quality and accuracy—and complete customer satisfaction

Guardian OLP Offline Proofing & Inspection safeguards printers by preventing the shipment of defective product. This simple yet sophisticated system provides the pre-production tools needed to make sure the printed product is *exactly* what the print customer expects. Reduce waste, improve bottom-line margins and ensure unwavering accuracy on *every single job.*

Guardian OLP verifies that the files used for production—or the beginning-of-run press samples—match the customer-approved master file 100%. By comparing any pre-press file or scanned press sample to the customer-approved original in a matter of seconds, advanced software automatically locates and highlights even the smallest of differences in print quality. The system can compare one-up electronic files or scans to multi-up electronic files or scans, and instantly detect printing defects such as missing or extra print, pre-press errors, plate defects and color variations.

Features and Benefits

- Ensure pre-press accuracy, streamline product auditing and workflow through revision control and color verification by comparing customer-supplied artwork against a modified file—with the option to provide secure reports verifying the accuracy of production files.

- Eliminate errors before the press run through press make-ready and job signoff tools with the ability to inspect first article, check plate quality and registration and provide a certificate of inspection report.

- Guardian OLP utilizes advanced object-based inspection algorithms, limiting false defects and detecting even the smallest of differences, such as streaks and missing decimal points—as well as relative color verification.

- The system can handle layered PDFs, braille inspection and 1D and 2D code decoding and grading.

- User-friendly software guides the operator step-by-step, from setup up to performing an inspection, ensuring minimal training is required.

- Areas that don't need to be inspected can easily be masked out, preventing unnecessary alerts.

- Precise pixel-to-pixel comparison for dependable verification of text copy and graphic elements is far more reliable than the human eye. Guardian OLP can detect a missing decimal point even at 3-point font size.

Eliminate pre-press and pressroom defect issues to ensure perfect print quality and accuracy—and complete customer satisfaction

Features and Benefits (continued)

- Up to 500 multi-up images can be compared to help highlight and classify print defects.

- Compare any combination of files or scanned images: file-to-file, file-to-scan, or scan-to-scan.

- This intuitive platform's "Quick Zoom" feature automatically zooms in on selected defects so that operators can review, accept, or reject a suggested change.

- Toggle between the master and test image to easily compare differences detected.

- Operators have the ability to save projects for later use, reducing set-up time for future runs.

- Minimize liability and provide traceable proof of quality through measurement reporting.

- Guardian OLP is a cost-effective solution that can be used in many areas of your quality process. There is the option to purchase it as complete package (software and hardware) or as a software license only that can be installed on existing equipment (hardware requirements apply, available for Windows PCs only).

- The benefit of increased quality control and print accuracy provide a new competitive advantage to attract brand owners and print buyers.

For more advanced, automated, inline defect detection see our **Guardian PQV 100% Print Inspection** *and* **Guardian RTM Real-Time Monitoring** *data-connecting technology.*

Guardian OLP Offline Proofing & Inspection hardware components include a 27″ LED-LCD flat screen display, a high-performance multicore industrial computer, and optional flatbed or wide format feed-through scanners.

Specifications

Operating system: Windows 10 64-bit

Components: High-performance multi-core industrial computer, 27″ LED-LCD 1080p Full HD flat screen monitor, scanner(s) (optional)

Remote support access: Via internet

Standard sizes from flatbed: 12″ x 17″ (A3)

Feed-Through: Widths up to 60″ (1524mm)

Inspection speed: 10 to 90 seconds, depending on scan resolution and sheet size

Minimum defect size: 0.002″ (0,05mm)

Maximum resolution: 600 dpi

Master file formats: PDF, TIF, BMP, PDF compatible AI

Fonts: Compatible with all fonts and foreign languages

Maximum number of multi-up images: 500 per inspection

Scanner material types: Paper, film, carton, labels, leaflets, corrugated, clear on clear, flexible

Power supply: 100-240VAC, 50-60Hz