

Image Quality Monitoring System

Automated Full Web Image Inspection for KODAK PROSPER 1000 and 5000XL

The Image Quality Monitoring System (IQMS), powered by Videk's DocuVision® 8600 platform, is an integrated quality assurance tool on Kodak's Prosper 1000 and 5000XL presses. Combining an in-press vision system with powerful image analysis software and an easy to use operator interface, the IQMS provides continual automated print quality inspection throughout every job, and alerts users to infrequent inkjet error

conditions that would potentially go undetected and could jeopardize output quality. As a result, printers and publishers capitalizing on the Prosper's quality and productivity are further empowered to reduce unnecessary waste and expense while ensuring that all output sent to finishing meets their uncompromising standards for offset class production.

Features:

■ Seamlessly integrated system

- All hardware and software is built-in, eliminating the incremental cost and footprint of a peripheral system

■ Automated jet-level streaker and void detection in full color

- Turnkey, pre-configured inspection applications minimize or eliminate any operator set-up

■ Intuitive visual inspection interface

- On-screen "freeze frame" inspection of images during production
- Pan & zoom functions for detailed viewing

■ Informative, highly-visible error alerts

- Automatic freeze frame highlights exact image & location of error
- On-screen notification of condition & web location
- Alarm bar illumination





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Specifications:

System Architectures

Prosper 1000 Press	Prosper 5000XL Press
Monochrome image scanning Four-camera embedded monochrome vision system DocuVision® 10.8 architecture	Full-color image scanning Four-camera embedded color vision system DocuVision® 10.8 architecture

Standard Automated Inspection Capabilities

Inspection	Artifact Inspected	Frequency	Inspection Specification	Error Condition Alert*
Streak Detection	Full Image	Every other image, front & back	Detect single jet streaks All color planes	On-screen notification & alarm light if detection of five (5) errors in a row
Jet Outs / Voids	Specific Image Targets	Pre-defined test patterns, front & back	Detect single jet voids All color planes	On-screen notification & alarm light if detection of five (5) errors in a row

*Standard condition alerts. Parameters can be modified based on customer requirements.

Operator Interface Station

User Controls	19" Color Monitor Keyboard Mouse
Capabilities	Full-page image viewing Freeze frame image display Pan and Zoom viewing functions Menu-driven system navigation

Performance

Page Length	Adjustable between 3" (7.62cm) and 14" (35.56cm)
Maximum Paper Speed	650 feet / minute (198 meters / minute)
Scan Width	25.5" (64.77cm)
Camera Sensor Resolution	4096 pixels / inch

System Requirements

Environmental	
Operating Temperature	40 to 95 Degrees F (4 to 35 Degrees C)
Humidity	30 to 90 Percent RH
Agency Certifications	
North American Model	Safety: UL / CSA, EMC: FCC
International Model	Safety & EMC: CE

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