

Pixel Perfect™ is the industry's only automated inspection system for 100% bit-level print assurance.

PixelPerfect
by Videk, Inc.

FOR CANON
SOLUTIONS AMERICA

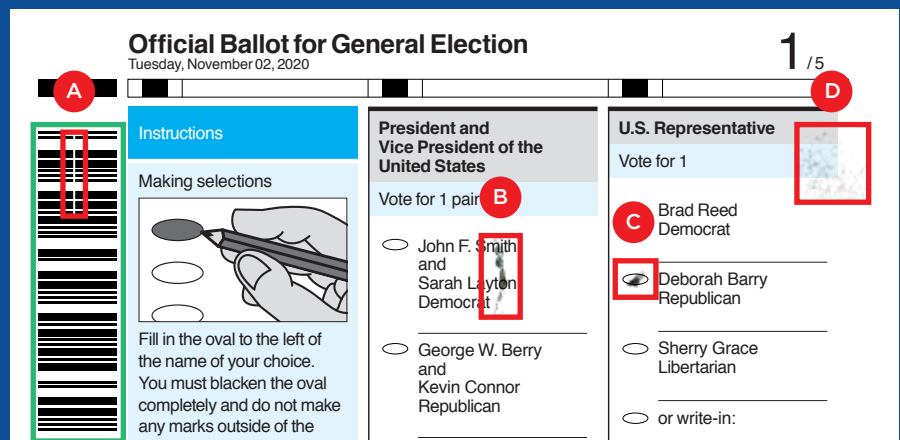
When perfection is the only acceptable outcome.

Your clients demand perfection. Videk's Pixel Perfect delivers. Inline, high-end imaging inspects every pixel of every document—at the rated speed of your press. Integrated software captures each inspection result automatically, ensuring your documents are defect free. It's an ideal quality control solution designed to boost efficiency while reducing costs and eliminating risk for your operation.

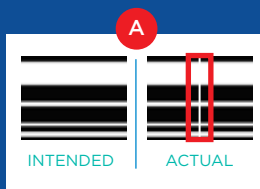
That sounds... *perfect!*

Pixel Perfect performs a comparison—pixel-by-pixel—of an intended document to the actual printed document.

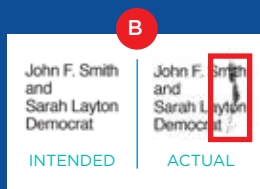
Our automated, intelligent system sees defects that your operators can't—as small as the tip of a pen—as fast your press can run.



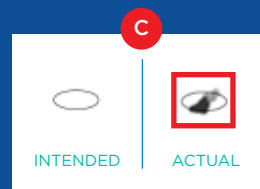
Pixel Perfect identifies:



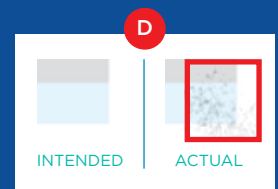
VOID OR
MISDIRECTED JETS



HEAD STRIKES/
SCUFFS



EXTRANEOUS
OR MISSING INK



PAPER
DEFECTS

Completely eliminate any risk of quality issues for your high-value documents

Valuable production time is wasted with manual document inspection—or worse, re-running jobs due to quality issues. Take control of production time and costs across a wide range of jobs with Pixel Perfect and deliver ideal quality for applications and markets, such as:



Books/Publishing



Pharmaceutical



Gaming Industry



Election Printing

Videk Pixel Perfect for Canon Presses



Benefits

Detect defects at full press speeds!

At 100m/min: 4 px/
0.013 in/0.34 mm

At 127 m/min: 4 px/
0.016 in 0.41 mm

LIVE INSPECTION VIEW

Guarantee full-speed production.

With Pixel Perfect, there is no need to stop or slow the press for quality checks:

- See every printed page in real time without impacting production
- Examine live images! Pan, zoom and scroll both sides of the printed page

ERROR ALERTING

Alerts mean issues can be rectified immediately.

Varied alert methods help capture and resolve issues fast:

- Alarm light/GUI pause
- Post-process divert of errant pages so production can continue

ERROR REPORTING

Tracks errors via a reporting database.

- Archive camera and reference images for later review
- Review thumbnail image of each defect
- Inspection error recording in database
- Defect report lists every inspection on system with classification (size, type, and location) of each defect shown

Embedded System Specifications for Océ ColorStream Z and 6000 Family of Presses



Pixel Perfect cameras are directly embedded into the press

- Embedded Color CIS
- "Direct Fiber" or PDF bitmap methods compare intended document to the actual print
- Includes Videk Vision Server Rack to house powerful control computers; includes user interface monitor

Compare RIP image to camera images

- Every page can be unique
- Proven technology
- Supports all current printer speeds

Pixel Perfect with DocuVision Pro Web Transport for Canon Presses

Includes the legendary power of Videk's DocuVision Pro® Software:

2D Bar Code	Color Consistency
1D Bar Code	Print Registration
Postal Code	Image Rewind
OCR or MICR	Reporting

All embedded features, plus:

- Front-to-Back Sync and Registration
- Precision-built handling cylinders provide an exceptionally stable imaging environment
- Variable perforation inspection option



videk.com

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PIXPE091519

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