

Xerox® Print Inspect Solution

Electronic Image Quality Assurance: 100% Inspection of Every Page

Xerox® Print Inspect is an automated vision system that compares each printed page to its source PDF to instantly identify print and media defects. It displays pages and inspection results in real-time while printing, then logs all information for later reporting and analysis. Complete with automated warnings and the option to stop production whenever a defect is detected, it virtually guarantees customers always get your best.

WHY 100% INSPECTION?

100% inspection means 0% chance of error. Other automated print inspection solutions look at variable data areas of the page but ignore static forms. Or they use additional IQ targets in the print stream that need to be separated from delivery.

Only Xerox® Print Inspect provides true 100% inspection on every page, regardless of content or layout. By comparing prints directly to the source file, any differences — whether they be dark or light spots or lines, in content or unprinted areas — can be easily identified.

ELIMINATE WASTE


Stop press functionality allows operators to resolve any media or print quality issue as soon as it's detected.

ENSURE QUALITY

Data and image logging provide an audit trail for sensitive documents. So defective prints are caught in-house, not by customers.

WORK WITHOUT WORRY

The worst time to realize defective stock has affected image quality is when there are thousands of sheets in the stacker. With Xerox® Print Inspect, operators receive a notification the first instance a defect is observed.



The screenshot displays the Xerox Print Inspect software interface. It features a main window with two side-by-side image displays. The left display shows a scanned image with a white rectangular box highlighting a detected defect (2). The right display shows the corresponding source image (5). A settings panel (6) is visible on the right side, containing options for behavior (Warn on Detect, Stop on Detect), defect detection (Region Of Interest, Full Page, Image Area Only, White Area Only, Custom), sensitivity (Min Length, Sensitivity Level), barcode settings (Location, Top, Left, Width, Height), and type (Color 25, Color 128, Data Matrix). A status bar at the bottom (7) provides defect size information and shutdown reasons. A legend below the screenshot identifies the numbered callouts: 1. Image List, 2. Detected Defect, 3. Image Display Settings, 4. Scan Image, 5. Source Image, 6. Settings, 7. Defect Size Info and Shutdown Reason, 8. Defect Statistics.

- 1 Image List
- 2 Detected Defect
- 3 Image Display Settings
- 4 Scan Image
- 5 Source Image
- 6 Settings
- 7 Defect Size Info and Shutdown Reason
- 8 Defect Statistics

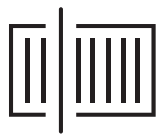
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XEROX® PRINT INSPECT WORKFLOW



PRINT

Print The job is printed on the Xerox® iGen®.



CAPTURE

Capture A Full Width Array (FWA) scanner captures an image from each side of the sheet.



INSPECT

Inspect The captured image is compared to the source PDF file. Image defects are identified and flagged. The captured images, source images and associated data are stored on a PC.



DISPLAY

Display The source image and captured image (with any identified defects) can be viewed side-by-side on the computer monitor.



ACT

Act The operator can review images on the monitor and download raw .csv data for use in customer MIS systems. Xerox® Print Inspect behavior can be configured to stop the print engine based on customer set thresholds.

FEATURES

- Display of scanned image side-by-side with display of source image
- Defect detection and display of image quality defects on the scanned image (defects are highlighted)
- Both sides of every sheet of paper are inspected
- Results are logged for every page
- Images and results data for every page are saved for remote or future analysis
- Multiple regions of interest can be set for defect detection (Full page, Image area only, White areas only, Custom; One or more regions of interest)
- Behavior: No Detect, Warn on Defect, Stop on Defect, (Each may be user defined via GUI, based on defect count or defect size)
- Sensitivity setting: minimum defect length or area
- Simple system calibration routine to ensure optimal performance

Specifications subject to change without notice.

For more information on Xerox® Print Inspect, contact your Xerox Representative, email USA.XSIS.INFO@xerox.com or go to www.xerox.com/Customization.

PREREQUISITES

- Xerox iGen 5 120 Press, iGen 5 150 Press with Xerox® FreeFlow® Print Server or EFI® Fiery® Print Server
- XLS Option supported
- Secure FTP (SFTP) enabled at Xerox® FreeFlow Print Server
- Input job format: PDF only
- Jobs using Clear and White dry ink not supported at this time
- Support for Fluorescent Yellow (display color may slightly differ from the source or printed output, yet detection for approved applications will not be compromised)
- Sheet sizes 8.5" x 11"/A4 up to 14.33" x 35"/364mm x 889mm
- Media weights (GSM) 90-350 uncoated, 100-350 coated
- Globally page-unique barcodes must be present in the same place on every job page to sync scans to originals
- To run the Xerox® Print Inspect application, customer must supply a system having the following required items or be equivalent to or greater than a Dell Precision T7810 with Microsoft Windows 7 or 10, 64 bit:
 - Dual Intel Xeon Processor E5-2630 v4 (10C, 2.2GHz, 3.1GHZ Turbo, 2133MHz, 25MB, 85W)
 - 16GB (4 X 4GB) 2400MHz DDR4 RDIMM ECC Memory
 - Radeon WX4100 4GB (4 Mini DP) (plus two Mini DP to SL-DVI adapters)
 - 2GB NIC TCP/IP network connections
 - 500GB 3.5 inch SATA (7200 RPM) Hard Drive Fixed
 - M.2 256GB PCIe NVMe Class 40 Solid State Drive
 - Monitor (minimum size of 23 inches)