

Affordable, automated printer quality assurance.

High volume print production requires high quality printing. Videk Automated Quality Assurance Stand (AQAS) helps ensure that printers are running at optimal levels, without relying on expensive, time-consuming and unreliable manual inspections. AQAS automated, near-line print quality evaluation systems have been proven to reduce labor, improve turnaround time, increase accuracy, and provide consistency of print quality inspections.

Print quality assurance with more accuracy, greater frequency and less manual labor

AQAS is an affordable, easy to use solution to ensure the quality of print at printers across production sites. Ideal for multi-printer platforms, AQAS helps you provide quality, integrity, calibration for all your print operations.

Printer software automatically generates periodic test pages. Press Operator then brings the test pages to AQAS for scanning and analysis. This enables AQAS to be used for printer quality assurance across different printers and vendors.

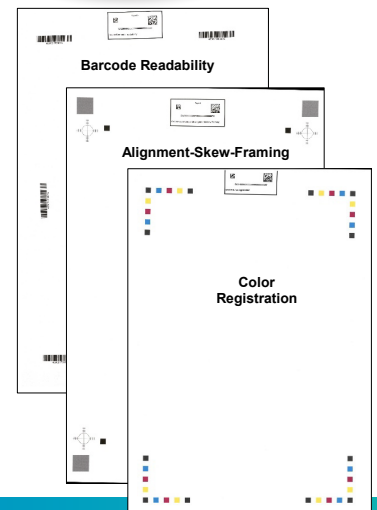
Printer pass/fail results are displayed on dashboard (below) and the data is integrated with Enterprise-Level Production Dashboard.

Critical for high volume, on-demand printing operations, including book printing.



VIDEK AQAS DETECTS:

- Missing Ink (Voids)
- Spots
- Monochrome Density (10%, 50%, 100%)
- Color Registration
- Alignment
- Skew
- Framing
- Bands and Streaks



Switch from manual quality checks to AUTOMATED QC and ensure your printers are properly maintained, streamlined and more efficient.

Videk Vision - Automated Quality Assurance Stand (AQAS)

Specifications

Printer Type

- Cut sheet (Monochrome, Color)

Image Resolution

- 600 dpi

Sheet Size (supported by scanner)

- Cross-Process Direction: 12"
- Page Length: Up to 23"
**expandable based on additional validation*

Print Specifications:

- Test Pattern Sheet Sizes:
 - 11" x 17"
 - 12" x 18"
 - 12" x 19" (originally 12.5" x 19")
 - 12" x 23" (originally 12.5" x 23")
 - 12.5" x 9.5"

Substrates:

- Plain White
- Glossy White
- Cream / Off White

Print Placement:

- **Alignment:** Uses available markers on the page to compare distances from said marks to the page edge
- **Skew:** confirm that the marks are parallel to the sheet edges
- **Framing:** Confirm horizontal & vertical distances from marks to sheet edges
- All distances measured within 0.2mm as compared with manual measurement

Color Registration

- Confirms the horizontal and vertical distances between CMYK targets are within acceptable limits preset by operator
- Distances measured within 0.2mm as compared with manual measurement

Spot Test

- Detects extraneous ink on CMYK & monochrome printed pages
 - On monochrome,** detects spots on 50% density printed page
 - On color,** detects spots on Cyan, Magenta, Yellow and Black pages
- All distances measured within 0.2mm as compared with manual measurement

1D Bar Code Capabilities

- Min. Element size is .006 inch
- Decodes 1D Barcode of the following formats:
 - 2 of 5 Standard
 - 2 of 5 Interlaced
 - 128A, 128B, 128C
 - GSI-128
 - UPC-A
 - EAN-8/13
 - JAN
 - NW7
- Results are comparable to manual readability test by handheld barcode scanners

Void Test

- Detects missing ink on CMYK & monochrome printed pages
 - On monochrome,** detects voids on 50% density printed page and 100% density page
 - On color,** detects voids on Cyan, Magenta, Yellow and Black pages
- All distances measured within 0.2mm as compared with manual measurement

Spots on White Page:

- Detects extraneous ink on a white page
- All distances measured within 0.2mm as compared with manual measurement

Optical Density Check:

- Applicable to monochrome prints
- Verify that the average densities of the following test areas are within limits set by the operator:
 - o 100% black areas
 - o 50% gray areas
 - o 10% gray areas
- Requires calibrating the system using the standard optical density calibration target sheet
- All density measurements are comparable within 0.05 density delta to manual measurements made by optical densitometer or spectrophotometer.

Physical Size

- Electronics are embedded within System Cart
- Monitor mounted on top of Cart, includes User Interface
- Cart is portable (has 4 lockable wheels)

Bands and Streaks Check:

- Detects bands and streaks for both CMYK & 50% density monochrome pages
 - Bands:** Darker regions on the color printed area on the test page
 - Streaks:** Lighter or faded regions on the color printed area on the test page
- Provides manual override of decision via reporting
- All density measurements between good region vs defective region are comparable with within +/- 0.05 of 0.2 density delta allowance to manual measurements made by optical densitometer or spectrophotometer.

System Outputs

- Human readable results on user UI
- Human readable results on Dashboard

Power Requirements

- 100-240 VAC, 2 A, 50/60 Hz

Environmental Requirements

- Operating Temperature: 40 to 95 Degrees F (4 to 35 Degrees C)
- Humidity: 30 to 70 percent RH

Certifications/Compliance

- Safety: cTUVus, CE
- EMC: FCC Part 15 Subpart B, CE

