

DocuVision® Pro Web Inspection System

Automated Quality Control for High-Speed Inkjet Presses



Digital Eyes for your inkjet printer!

DocuVision® Pro is an in-line, full-page print quality and data integrity inspection system built for interoperability with today's high-speed color inkjet printers. At web speeds up to 1000 feet per minute, DocuVision delivers full page, full color 100% quality control assurance for today's inkjet presses.

Reduce touch points, Maximize printer uptime

Manual quality processes remain time consuming, ineffective and subjective, however automating the validation of critical press attributes overcomes this human limitation. DocuVision's proprietary "Prime Page" test pattern coupled with new Print Quality Monitoring tools provide a revolutionary way to automate QC without impacting press operations. High-resolution images are automatically analyzed to confirm key press attributes and assure consistent output. Should any out-of-spec condition be detected, the operator is immediately alerted to the issue and optionally, the press can be signaled to stop production. This automated approach to QC reduces the requirement for skilled operators by providing a powerful tool to assure confidence in the press' performance delivering more sellable sheets per hour of press operation.

Digital QC Folders eliminate physical file storage

Use DocuVision to store and archive Prime Page and any other QC or Job Test pages directly to a digital folder. This process eliminates printer stoppage, roll cutting and time-consuming intervention. Review proof-of-print files at any time on the network.

It's all about the Data

For transactional documents or targeted personalized direct mail, verifying digital information can be critical for compliance and regulatory concerns. DocuVision's powerful software algorithms include the following:

- MICR character inspection, recognition and quality
- Alpha-numeric and OCR text reading
- Barcode reading and verification - 1D, 2D Data Matrix and postal codes including Intelligent Mail Barcode (IMB)
- Front-to-back matching
- Sequence checking, missing and duplicate document identification
- Page registration measurement
- Optional Data and Image Archiving

DocuVision Job Log Report

Clarify a company with insight.

Job Summary			
Job Segment	Check Run	Application Name	Check Run App Totals
Report Created on:	11/15/2016	Job Status:	COMPLETE
Job Start Time:	13:40:32	Job End Time:	13:40:42
Operator Name:	Jim	DocuVision System S/N:	102:168.74.254
Total Run Time (hrs.)	0.01	Inspections/Hour:	9999999

IDF FILE TOTALS:	Total Checks:	Total Amounts
INSPECTION JOB TOTALS:	3,131	\$5,622,784.60
DIFFERENCE	2	\$1,132.80

Checks Requiring Visual Reconciliation:			
Description	Count	IDF Sum	Inspection Sum
Missing Checks	2		
Duplicate Checks			
Extra Checks			
Checks w/ Unattached Amounts			
Manual Checks			
Discrepancy / Not in IDF file			

Source	Pull Key	# of Checks	Sequence	Check Seq.	Amount	More Info	Reconciled?
IDF file	4FBW9K9401	1	00010282	-	\$1,082.80	Missing	
IDF file	VHS5270201	1	00010333	-	\$50.00	Missing	

PRINT DATE: DECEMBER 13, 2016

ASSURA BANK PLATINUM Account Name: Cindy Hahn Account Number: 403 2000 Card User: 012 000 00 Available Credit: \$5,239.65 Page 1 of 8

P.O. Box 1234 Atlantic City, NJ 08401

ASSURA REWARDS
Points Earned This Period: **8,240**

Account Summary

Current Month	PID
Previous Balance	\$11,433.67
Payment Received	\$11,433.67
Payments and Adjustments	\$11,433.67
Interest on Purchases	\$0.00
Card Activation Fee	\$0.00
Late Payment Fee	\$0.00

Billing Cycle and Payment Information

Days in Billing Cycle	30
Closing Date	12/23/2015
Minimum Payment Due	\$12.00
Next Due Amount	\$0.00
Next Minimum Payment Due	\$12.00
Payment Due Date	01/09/2016

Important Changes to Your Account Terms

Revised Terms as of 8/1/2010

APR for Purchases	15%
Late Payment Fees	Balance under \$1000 = \$35 Balance over \$1000 = \$65

Account

Account	New Balance	Due Date	Total Minimum Due	Amount Enclosed
45-32000	\$8,240.39	7/10/2010	\$412.02	

Assura Bank
Card Services
P.O. Box 1234
Atlantic City, NJ 08401-0123

Key Features:

- Real-Time Web Viewing
- Print Quality
- Color Monitoring
- OCR/ MICR/ Barcode Reading
- Front to Back Matching
- Out of Sequence Checking
- Data Storage
- Job Reporting

DocuVision Integration Options:

In-Line Web Transport offers the ultimate in flexibility

DocuVision® Pro is an in-line, full-page print quality and data integrity inspection system built for interoperability with today's high-speed color inkjet printers. At web speeds up to 1000 feet per minute, DocuVision delivers full page, full color 100% quality control assurance for today's inkjet presses.

- Compatible and interchangeable with leading continuous printers
- Web Widths up to 44", Simplex or Duplex, L-to-R or R-to-L paper path, Slack or Tight Web (shown) configurations available.
- Superior imaging using proprietary cloud lighting and custom web handling drums.
- Supports a field-upgradable option to validate location and quality of variable perforations.

Inside-the-Printer System adds no additional footprint

Exceptional for tight production facilities where additional equipment is not an option, this configuration eliminates a web handling device. The monitors can be mounted on the printer or onto a small operator stand depending upon customer preference.

- Eliminates a web handling device
- High resolution contact image sensor delivers crisp, high-resolution color images to DocuVision.
- Optional operator viewing stand adds only 2 sq. feet of footprint.



DocuVision System Specifications:

Software: DocuVision 14.0 or higher

- Real-time Linux based OS
- Prime Page Generator Application

Print Inspection Capabilities:

- Missing or Misdirected Jet Detection
- Color to Color Registration (CMYK)
- Head Alignment (Stitch Accuracy)

Automated Inspection Capabilities:

Variable Data (OCR, MICR), Sequence Checking, Print Registration Barcodes (2D DataMatrix, 1D, Postal), Presence/Absence Job, Summary Reports, Streak Detection, Conditional Inspection, Image Archive and More.

Imaging System Hardware:

- Full Color, High-resolution imaging system, CIS or Line Scan
- Power Requirements: 120 VAC, 10A or 220VAC, 5A

Printer compatibility:

Canon Océ
JetStream™, ImageStream™, ColorStream™

Pitney Bowes:
AcceleJet™

Hewlett Packard:
T-200, T-300, T-400™

Ricoh:
Pro VC60000™, IP5000

Screen:
TruePress 520S, 520ZZ™, 520HD

DocuVision Prime Page

Prime Page Generator is configured for each paper width
Frequency: Inserted into print stream at desired inspection interval

DocuVision Pro: Simplifies User Interface

- Touch Screen Format,
- Pinch-to-Zoom and Easy Set Up
- Multi-Lingual Support – Visual Warnings, Error Messaging, Printer Stop (if desired) – Freeze, Pan, Zoom and Replay Images
- Built-In Data Collection: New data storage access provides quickly offers important logs, eliminates the additional hardware controller
- Quick-touch Help – New help system delivers quick answers making you more productive
- Language Support: Easily add on additional languages.
- Real-time Messaging: Error messaging provides detailed listing of inspection errors.
- Basic Image Archiving – Single image archive stores up to 5% of typical print run.