



DocuVision™ Edge Case Study

New document integrity system secures check production at high profile government print facility.



Executive Summary:

- A large municipal printer experienced a major security breach when it was discovered duplicate checks were printed and had gone missing.
- Security requirements were newly established to ensure the tracking and quality of high value checks throughout the printing process.
- Teaming with Videk, the printer was able to create a closed-loop quality assurance system using vision-based inspection technology resulting in 100% accountability of all checks printed.

Challenge:

After a major security breach, a government printer requires new document printing controls to track and safeguard check production.

At a major municipal government facility, millions of checks are printed each year for those who receive tax refunds, social security and veteran's benefits, civil service annuities, federal salaries and vendor payments. With their current quality control methods relying solely on operator inspection and manual printer recovery, there were no tight, reliable processes in place to securely monitor production.

And in any printing environment, errors can happen due to a multitude of reasons. Through the entire process from document composition, to loading the incorrect stock, to the occasional print quality error, unreliable inspection procedures leaves the entire operation at risk- especially when printing money.

On the heels of the discovery of a series of duplicated check payments, the government printer realized it was imperative to have automated quality control to ensure such a breach would never reoccur.

Solution:

New DocuVision Edge integrity system for Canon cut-sheet monochrome printers delivers unsurpassed secure document verification and security.

Quality and Speed: The customer chose DocuVision Edge to complement their new Canon VarioPrint 6000 Ultra+, high speed print line. With this independent check integrity system in place, there is now a tight process in which to detect composition, quality or process errors. In-line data collection and job reporting, provide added security and proof of print. Together, this ultra-fast and reliable solution offers the best in monochrome cut sheet printing while guaranteeing secure output.

Process Security: DocuVision Edge uses full page imaging to look at every document throughout production. Utilizing proprietary software, the document is analyzed for critical information. Check numbers, account numbers, barcodes and the MICR line are evaluated with the goal of ensuring all information is complete, of good quality and that every check is correct and can be later processed.

If an error is detected, the operator is notified through an on-screen message, a machine light is illuminated and the errant document is diverted to the reject bin while the printer comes to a controlled stop. Additional documents that are in process are automatically diverted, which provides for seamless error recovery when activated on the VarioPrint Ultra+. The printer knows exactly where to begin the reprint so that all checks are accounted for, and with no operator intervention needed, the printing process is secure.

Job Audits and Report Logs: The customer uses Videk's Recon Manger Reporter to log all variable and print quality data, to detect missing or out of sequence pages, and to validate there were no missing or duplicate checks. A full count of the number of check documents printed, along with the total check amounts can also be reported.

The operator then compares the known total dollar value for checks drawn, to the Videk report results for the check run. If the count is wrong, the operator manually reconciles the differences and records the disparity. Ultimately, the customer plans to automate this process.



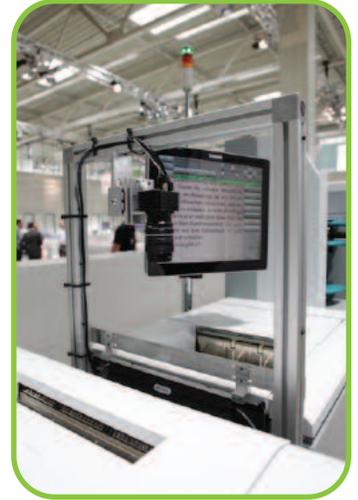
Results & Benefits:

Safeguard the check printing process. By using DocuVision Edge, the customer now has independent verification that secures their check printing process. They, along with their recipients can be confident that each and every check has been accounted for, and independently inspected for accuracy and quality.

Peace of mind. With in-line data collection, an audit trail is produced for physical proof of print. Having this extra layer of protection has given this customer the peace of mind needed to not have to worry about check duplication or theft of government money.

Reduced waste. By quickly identifying and stopping the printer when errors occur, process issues are detected and fixed, and consumable costs such as paper and toner are saved.

The customer has high-praise for the system, offering this: "We do not run without the Videk system in place because now, as our printing process is secure, we have the proof of data to back us up, and in the end, we can all sleep better at night. The new functionality of auto-divert and reprint afforded by the total solution provides an additional layer of protection. The VarioPrint Ultra+ together with Videk's DocuVision Edge gives us the ultimate in high quality, secure check printing."



DocuVision Edge installed in Canon VarioPrint 6000 Ultra+ Printer

Videk Product Profile:

- DocuVision® Edge provides a powerful combination of full-page scanning, variable data analysis and MICR line quality assurance. Developed specifically for monochrome cut sheet printing, it is seamlessly integrated with the Océ VarioPrint 6000 Ultra+ printer.
- RECON Manager is an SQL-based software package that enables data collection and reporting, as well as diagnostics and configuration management for DocuVision system