AUTOMATED QC INSPECTION SOLUTIONS FOR TRANSACTIONAL PRINTERS

END TO END TRACKING FOR FLAWLESS PRODUCTION & 100% CONFIDENCE

VIDEK

OPTIMIZE PRODUCTION – ADDRESS LABOR SHORTAGES – SECURE PRINTING – REDUCE COSTS

ABOUT VIDEK

Videk is the worldwide leader in automated print inspection

- 40 years of delivering customized vision automation solutions
- Over 30 dedicated engineers, solution architects, applications engineers
- 100% in-house software development and hardware system engineering
- 1,000s of inspection systems installed worldwide on manufacturing solutions, such as print and packaging

Our “**End result**" touches almost every household in the United States

We see billions of images per year.

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ABOUT OUR CUSTOMERS IN TRANSACTIONAL PRINT

PRINTING INKJET FASTER, ACCURATELY & MORE SECURELY

GOVERNMENT

Document security and accuracy are trademark requirements for government printers who rely on Proof of Print and Audit trail for extra validation.

HEALTHCARE

The Nation's most reputable healthcare organizations rely on printers to confidently communication and engage their members.

INSURANCE

Protecting personal data and complying with regulations are critical needs. With tight margins, waste reduction and cost savings are also drivers.

FINANCIAL SERVICES

Transactional printers help their clients inform, engage and establish trust with clients and plan participants. Protecting PI data is key!

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2025 MARKET CHALLENGES:
PRINTERS WANT TO AUTOMATE WORKFLOW – ESPECIALLY "LOW VALUE" TASKS

From the 2025 NAPCO State of the Industry Research Survey

#1 business priority is improving process – including **automating time-consuming, low value tasks**

- Automate "low-value" tasks that create HIGH-Value problems downstream
- Minimize operator touches
- Reduce costs
- Improve quality control

THE QUESTION ISN'T IF YOUR PRINTING NEEDS TO BE SMARTER. IT'S WHEN.

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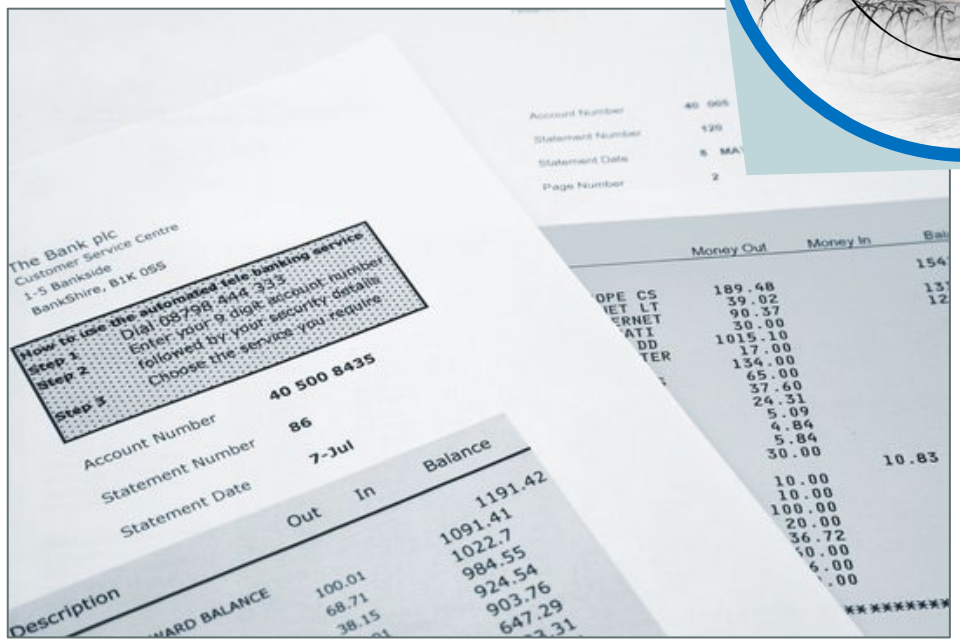
WHY INSPECTION MATTERS

What You Don't See Could Cost You

Catch Preventable Errors early in production and keep your Press Running!

What You Don't See Could Cost You… not finding print errors brings real risk:

- ❌ It's Costly!
- ❌ Losing control over your product output
- ❌ Regulatory non-compliance
- ❌ Compromised patient Information
- ❌ Financial penalties and lawsuits
- ❌ Unhappy customers



DIGITAL EYES CATCH THE ERRORS THAT HUMAN EYES MISS

VIDEK INTEGRATED AUTOMATION

1– VISION EXPERTS

We are your vision experts – unique cross the board plant wide. We understand printing and mailing

2– SYSTEMS INTEGRATION

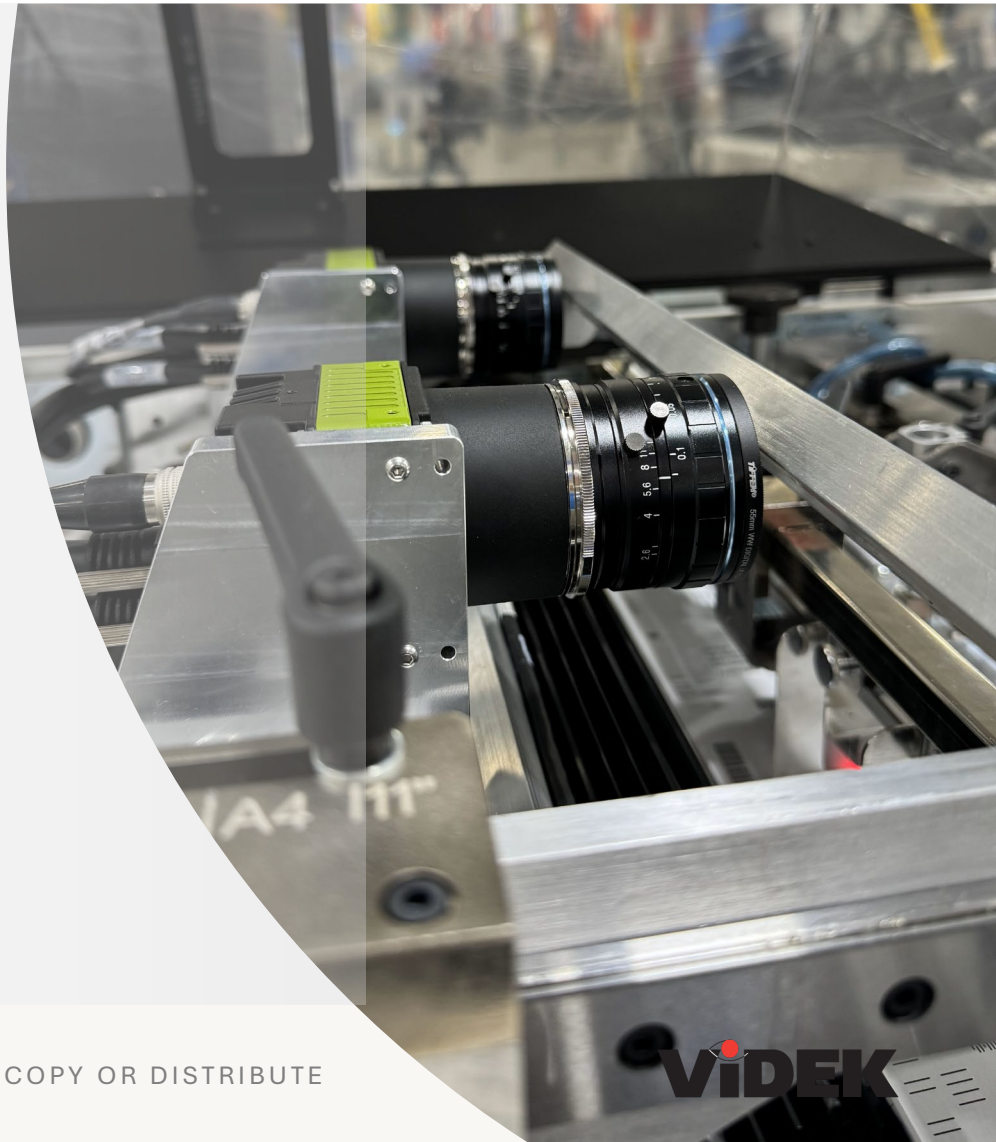
We don’t sell cameras. Anyone can do that. We sell solutions. WE SOLVE CUSTOMER PROBLEMS through integrated vision systems.

3– DATA INTEGRATION into PRODUCTION WORKFLOW

The system must pass data quickly for immediate reconciliation

4– EJECTING THE BAD PRINT

Working with finishing companies to remove bad pieces in process



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THE SOLUTION: VIDEK INSPECTION SYSTEMS

Embedded in Presses

Stand-alone Web Inspection Stand

Embedded in Post-Processing (unwinder & rewinders, perf/punch)

Embedded in Finishing

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THE CHALLENGE

PROTECT PI & DELIVER PERSONALIZED DOCUMENTS SECURELY & EFFICIENTLY

In any print operation, mistakes can happen.

HUMAN ERRORS:

Ex. A simple oversite during rewebbing the print line could cause a misalignment (web break) issue. A missed a roller in the printer could lead to a front to back mismatch error and cause a PI leak

MACHINE ERRORS:

Ex. Inserters will sometimes double stuff an envelope, sending out PI information to the wrong person.

Requirements

Protect Data:

- Healthcare & Finance Compliance & Regulations
- Prevent PI Leaks
- Audit Trails / Forensic Data

Track Production

- Optimizing Production
- Meet SLAs

Address Labor Shortages

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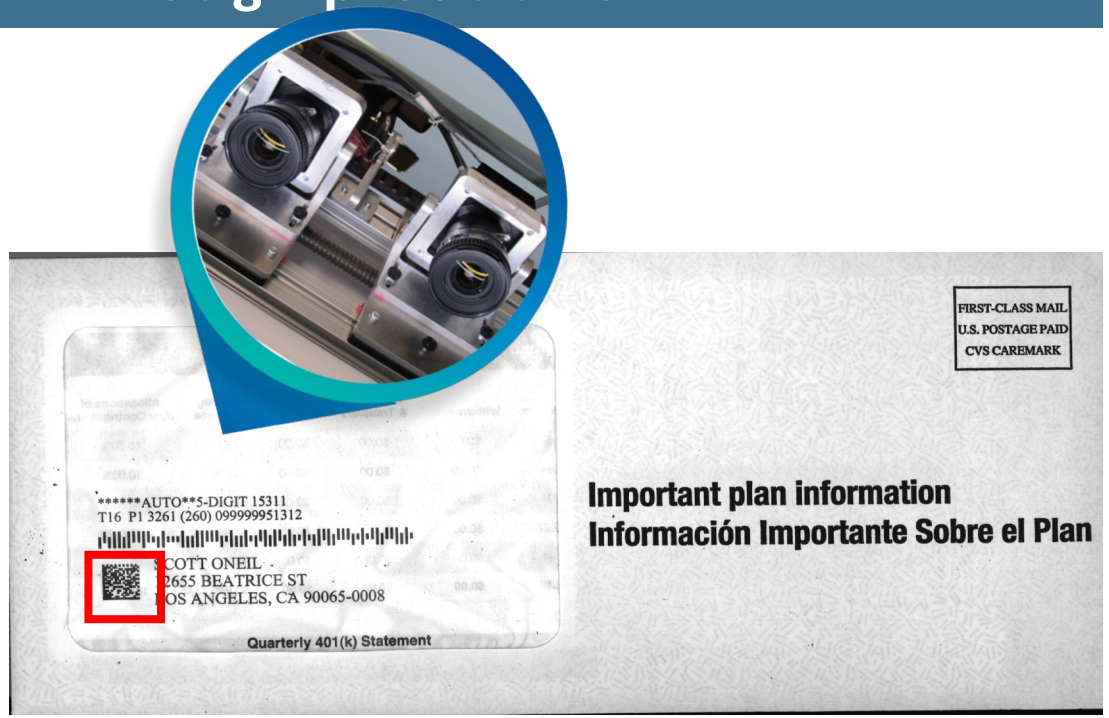
THE SOLUTION: DOCUVISION PRO

AUTOMATED INSPECTION FROM PRINT THROUGH INSERTION

Tracking every document through production

Videk DocuVision Pro

- End-to-end monitoring: from print through insertion
  Videk cameras installed on Inserters, VITS lines, HP T-Series Presses, Book Lines, Stitchers, Tabbers, PolyWrap, Binders
- On Finishing platforms:
  VITS, HP, Mueller Martini, MBO, Horizon Binder, CMC inserter



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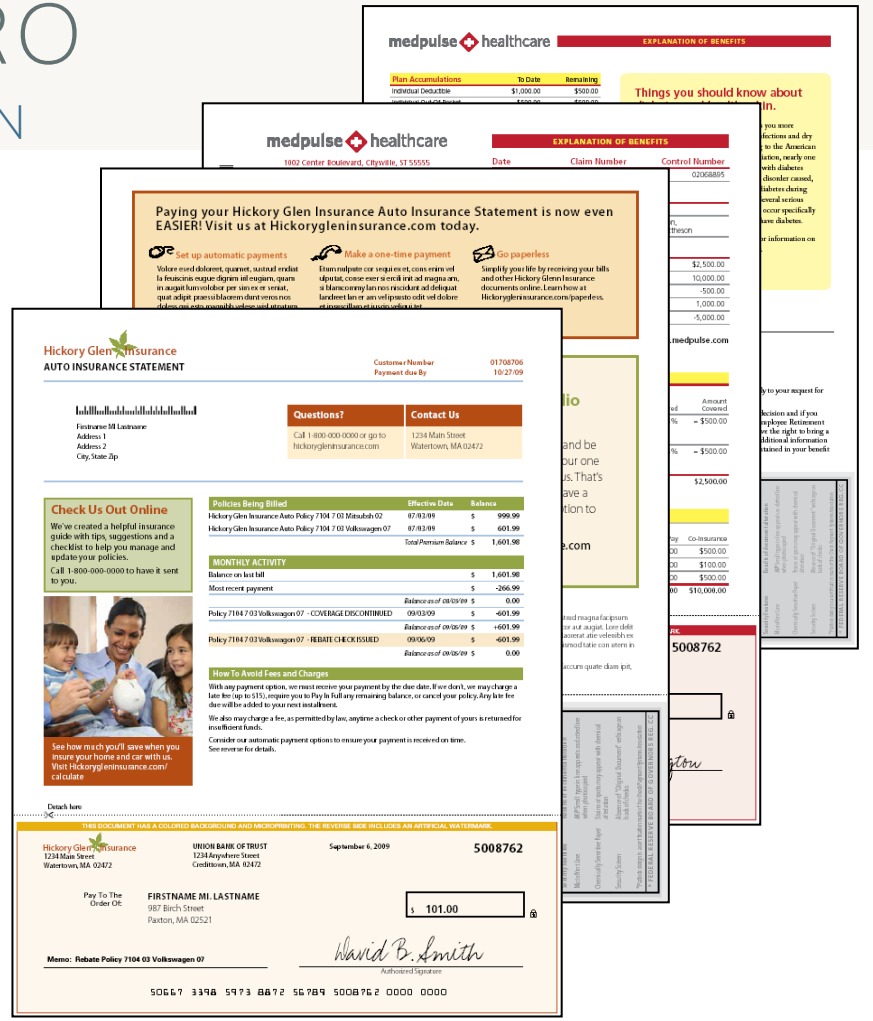
THE SOLUTION: DOCUVISION PRO

DATA TRACKING, AUDIT & END-TO-END VERIFICATION

- Read unique barcode or OCR
- Send CSV results / COMPARE files
- Identify **missing or duplicate** images
- **REPORT generated immediately; decision to stop or reprint**
- Produce proof of work reporting – for compliance & customers; **Audit trail**



Protecting Data and Tracking Production

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THE SOLUTION: DOCUVISION PRO

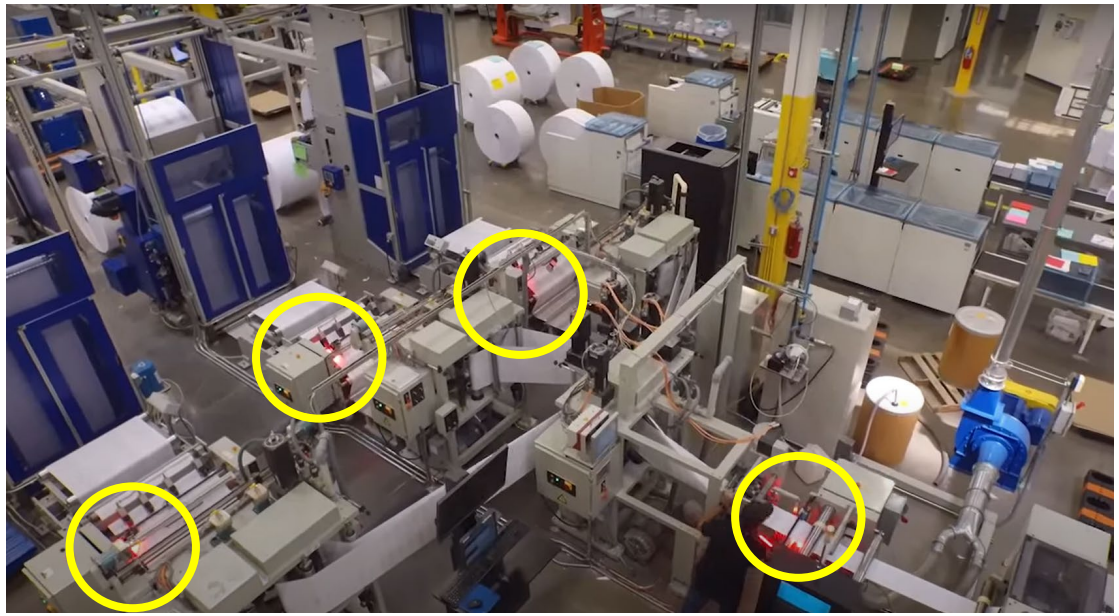
HIGH SPEED INSPECTION FROM 42" PRESS *THROUGH* LETTER LINE PRODUCTION.

HP Printer: Videk system looks at F/B match- for IMMEDIATE stop

VITS: Unrolls, Splices, Merges, Folds, Cuts & stacks for inserters to process

Videk Systems:

- **Web matching**: 3 x AA cameras mounted after the unwinder (up to 3 rolls)
- **Ribbon matching**: up to 6 ribbons
- **Packet matching**: 6 x AA cameras mounted in the merge station prior to sheets folded & cut



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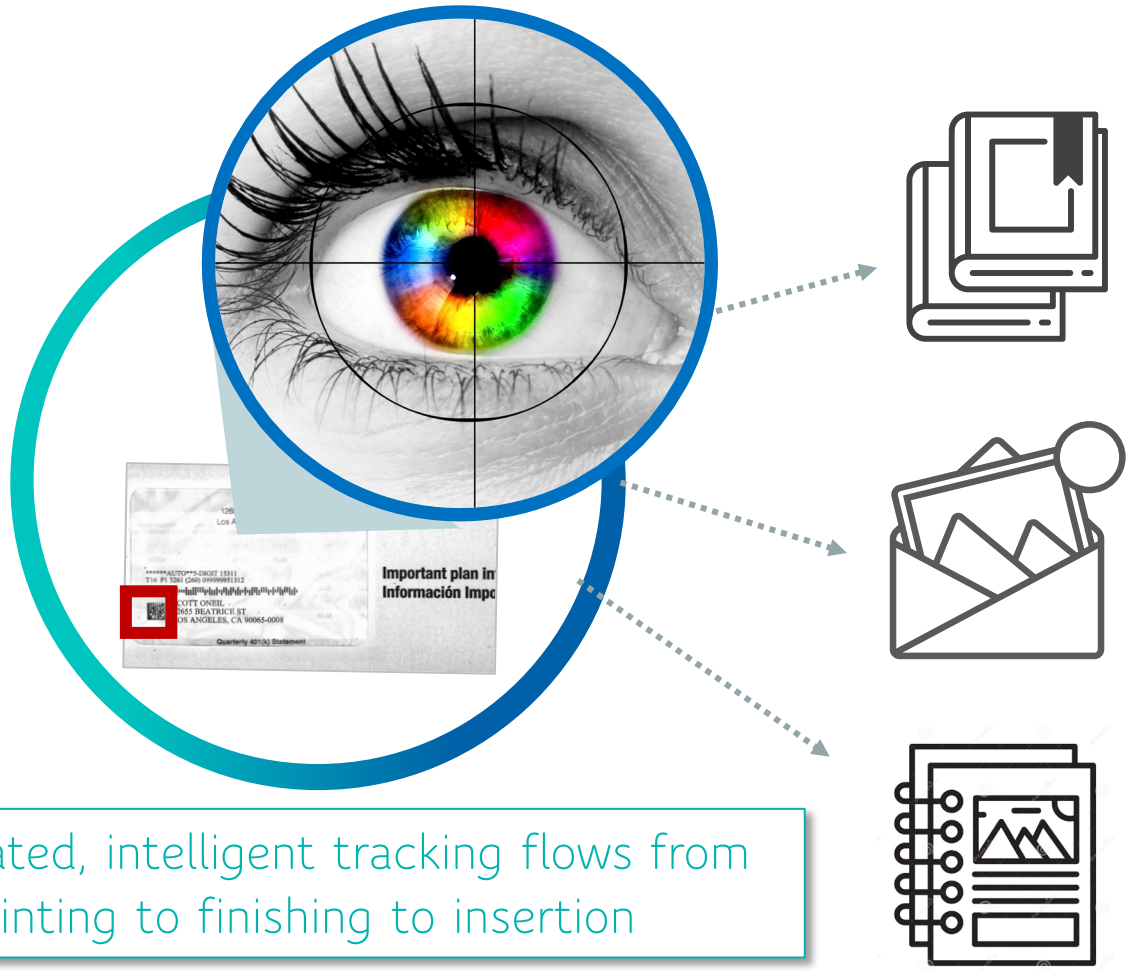
RESULTS & BENEFITS: SECURE PRINTING

READS
TRACKS
RECORDS
REPORTS



Automated, intelligent tracking flows from printing to finishing to insertion

Videk cameras automatically track and every piece through the entire manufacturing process:

- production,
- finishing,
- sorting,
- bindery,
- packaging and
- mailing

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THE SOLUTION: DOCUVISION PRO

FRONT-TO-BACK MATCHING ON RICOH PRESSES FOR TARGETED "LUXURY" 1:1 MARKETING

Value

- Personal data security
- One-to-one messaging accuracy
- Total job integrity

How:

- Read DM on side 1
- Read DM on side 2
- Compare
- Alert Operator
- Stop PRINTER
- Store read results

Protecting Data and Tracking Production

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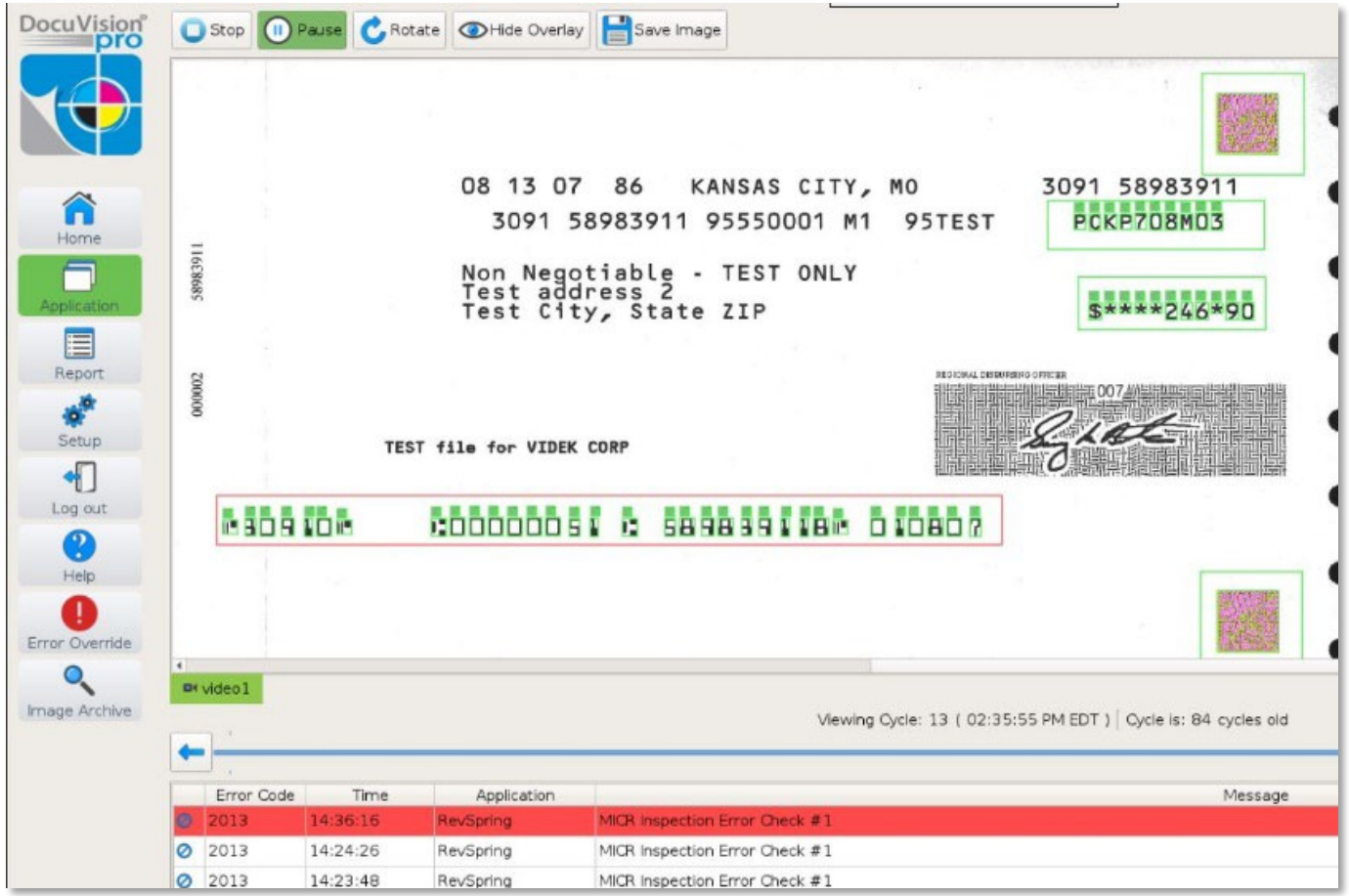
THE SOLUTION: DOCUVISION PRO

SOFTWARE, HARDWARE & SYSTEMS INTEGRATION



Protecting Data & Piece-level Tracking to Optimize Production

- Scan every page
- Apply inspection tools
- Grade results as pass/fail
- Send Results to DC for reconciliation immediate reprint or removal back at site.

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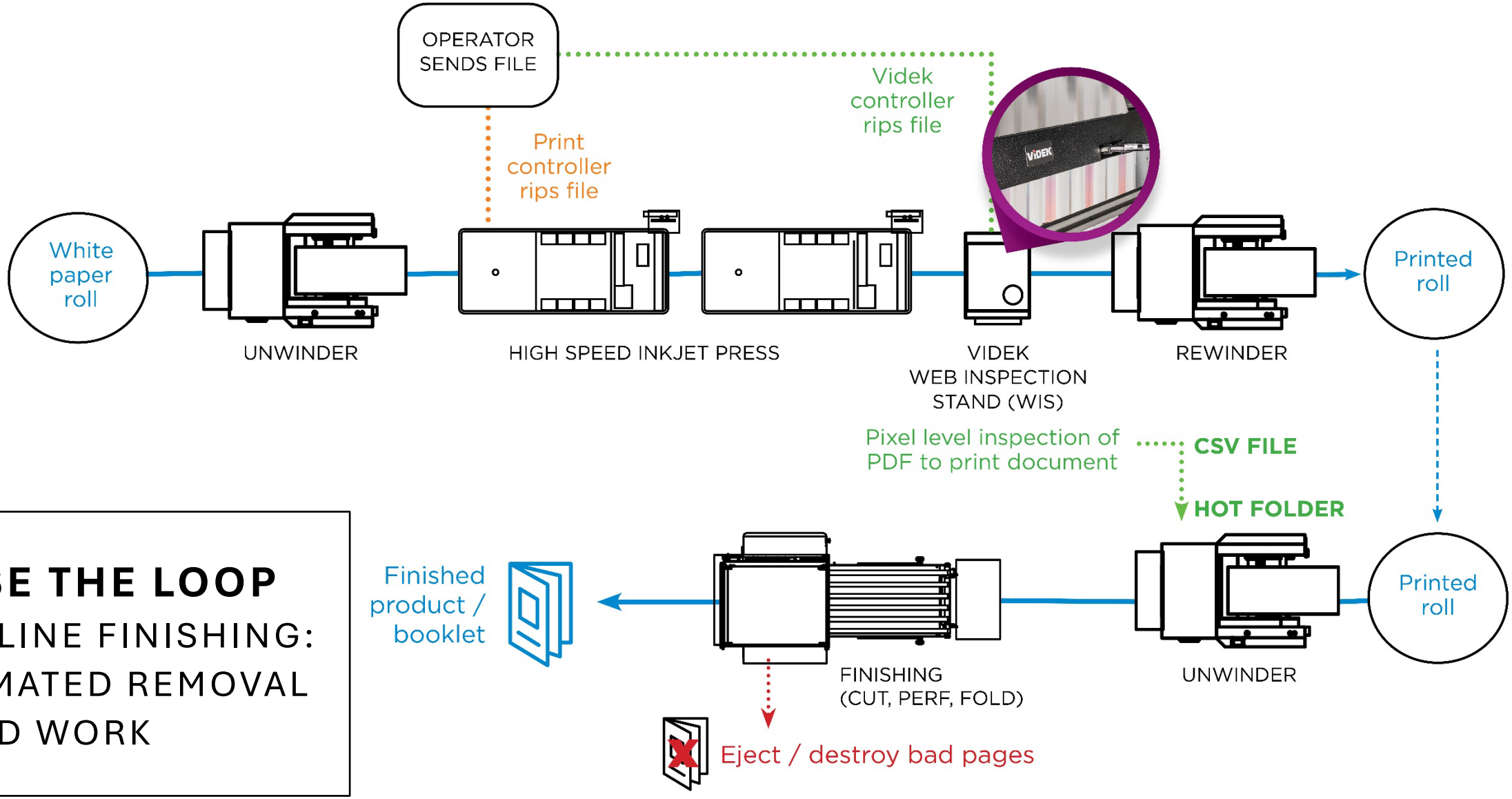

CLOSE THE LOOP

NEAR LINE FINISHING: AUTOMATED REMOVAL OF BAD WORK

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VIDEK PARTNER APPROACH

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RESULTS & BENEFITS

END-TO-END AUTOMATION & TRACKING FOR FLAWLESS PRODUCTS AND 100% CONFIDENCE

I can sleep at night" Insurance policy

- Protects print operations
- Catches any errors on the fly during production, before it goes out
- Provides audit trail for future proof of print
- Finds the errors early and prevents bottlenecks in production
- Ensures the mail is going out correctly and keeps the end customers happy

Protecting Data and Tracking Production

"The Videk systems improved process time by 60% on the data side."

"Everyone should have a Videk. I never want to run print jobs without it."

"Videk is what drives us and keeps us on track every day. It is our lifeblood."

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DON'T SWITCH TO INKJET WITHOUT VIDEK

INCREASED PRODUCTIVITY

Operator inspection and automated QC increases printer uptime.

15% increased average throughput

REDUCED WASTE

Gain operational efficiencies, save paper, consumables, and time.

Eliminating a single mistake can save thousands of $$$

SECURITY

Protect customers automatically. Monitor and track every piece of sensitive information.

Gain audit trail for variable data for sensitivity or relevance

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AUTOMATION IS THE KEY INVESTMENT FOR 2025

THE QUESTION ISN'T IF YOUR PRINTING NEEDS TO BE SMARTER. IT'S WHEN.

WITH VIDEK, WE CAN HELP YOU MAKE IT HAPPEN NOW.

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