

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

Vision is our mission and our passion!

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.

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 communicate 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!



2025 MARKET CHALLENGES:

PRINTERS WANT TO AUTOMATE WORKFLOW – ESPECIALLY “LOW VALUE” TASKS

From the 2025 NAPCO State of the Industry Research Survey

■ MOST DESIRED CAPITAL INVESTMENTS (CONT.)

Of course, the list of most desired investments varies by printing segment. But these investments make the list in all segments:

- **Workflow software and digital infrastructure.** Automate/minimize touches, reduce costs, improve quality control, increase production speed, and increase the flexibility of production processes because profit margins are under pressure across the industry, with markets too competitive to pass costs through to clients.
- **AI applications.** Automate low-value tasks, freeing time for activities that create the most value for clients, employees, and the company.
- **E-commerce.** Extend automation to the client.
- **Bindery/finishing systems.** So productivity gains in prepress and press are not lost to bottlenecks in the bindery and to create value and distinctive printing – and the pricing power and profitability they create – through embellishment.

 NAPCO RESEARCH

#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.

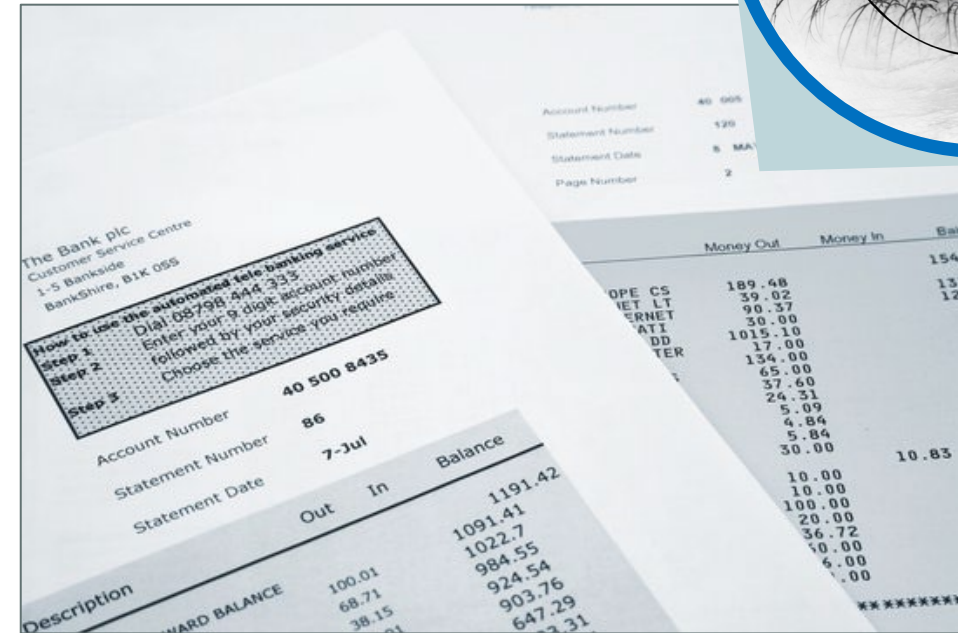
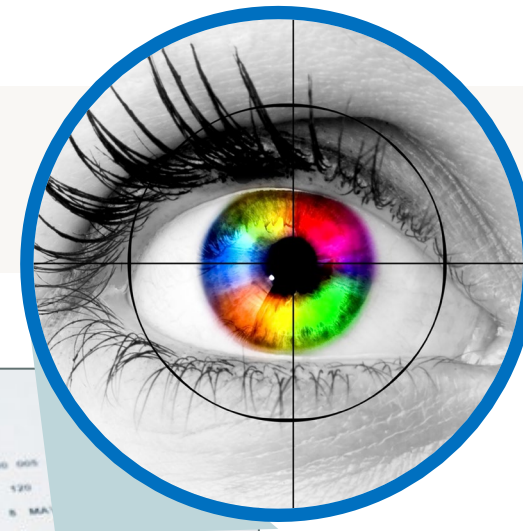
WHY INSPECTION MATTERS

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

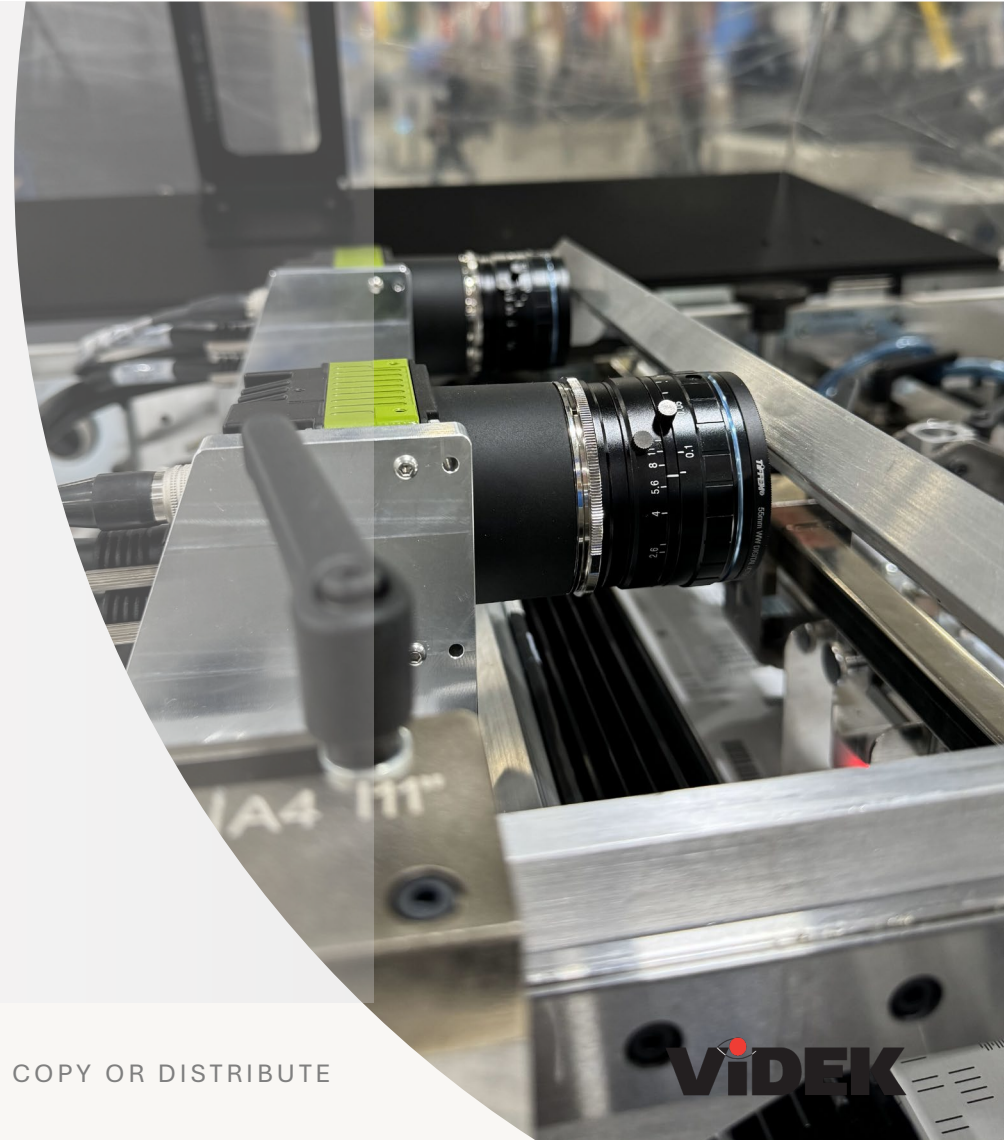
We don't sell cameras. Anyone can do that. We sell solutions. WE SOLVE CUSTOMER PROBLEMS through integrated vision systems.

3- DATA INTEGRATION into PRODUCTION WORKFLOW

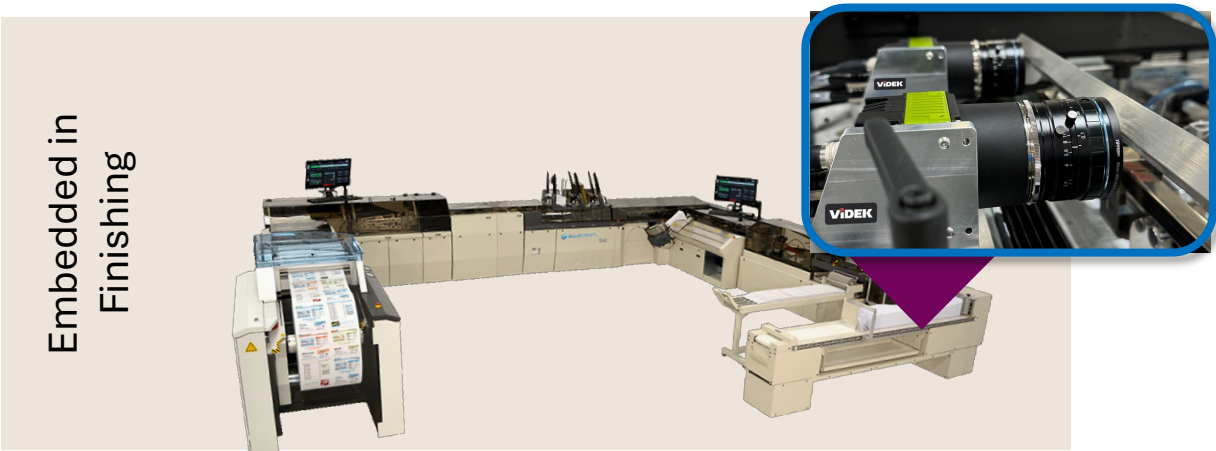
The system must pass data quickly for immediate reconciliation

4- EJECTING THE BAD PRINT

Working with finishing companies to remove bad pieces in process



THE SOLUTION: VIDEK INSPECTION SYSTEMS



THE CHALLENGE

PROTECT PI & DELIVER PERSONALIZED DOCUMENTS SECURELY & EFFICIENTLY

In any print operation, mistakes can happen.



HUMAN ERRORS:

Ex. A simple oversight 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

THE SOLUTION: DOCUVISION PRO

AUTOMATED INSPECTION FROM PRINT THROUGH INSERTION

Tracking every document through production

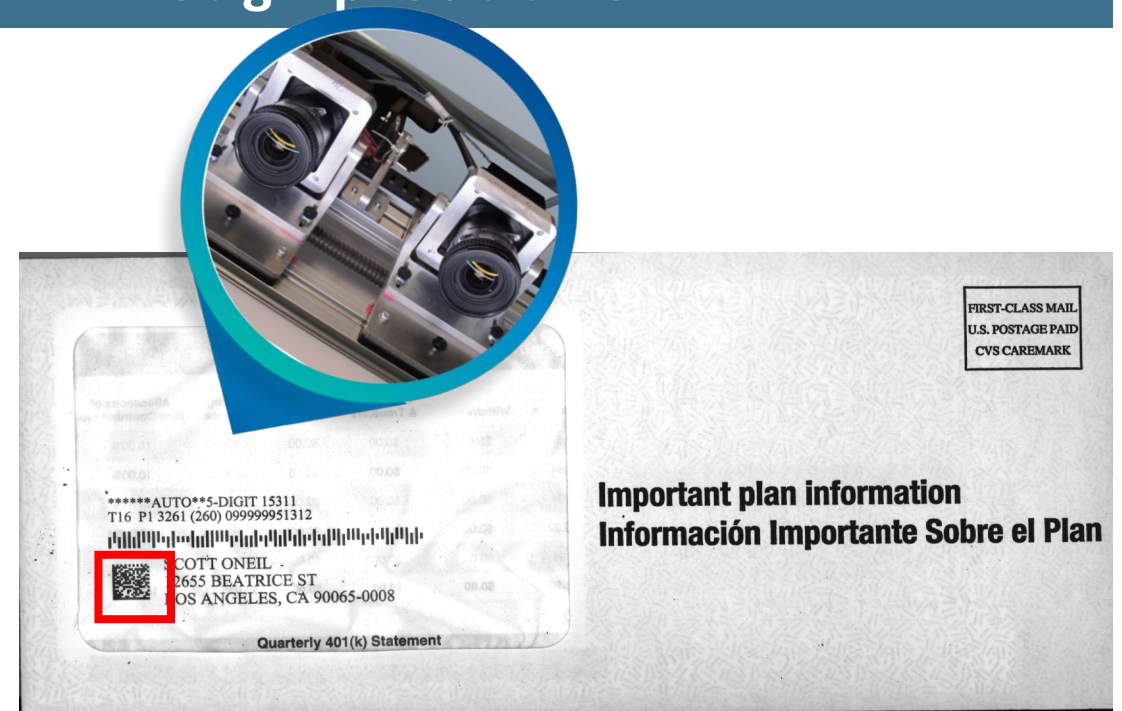
Videk DocuVision Pro

- **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



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**



1 2 3 4



medpulse healthcare EXPLANATION OF BENEFITS

Plan Accumulations To Date Remaining
 Monthly Deductible \$1,000.00 \$500.00
 Annual Out-of-Pocket \$2,000.00 \$200.00

Things you should know about

you more
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 information on

medpulse healthcare EXPLANATION OF BENEFITS

1802 Center Boulevard, Cheshire, CT 05955 Date Claim Number Control Number
 02/06/09 02068895

Paying your Hickory Glen Insurance Auto Insurance Statement is now even EASIER! Visit us at Hickorygleninsurance.com today.

Set up automatic payments You're not diligent, quarrel, unkind, modest. It's frustrating to figure out expenses, guess in a way that makes you feel like you're not in control, and adjust your budget when you're not sure.

Make a one-time payment From adjusting our regular bill, you can now adjust, once every six months, to make sure you're not paying too much or too little.

Go paperless Simplify your life by receiving your bills and other Hickory Glen Insurance documents online. Learn how at Hickorygleninsurance.com/paperless.

Hickory Glen Insurance AUTO INSURANCE STATEMENT Customer Number 01708706 Payment due By 10/27/09

Insurance ID License: Address 1 Address 2 City/State/Zip

Questions? Call 1-800-000-0000 or go to hickorygleninsurance.com

Contact Us 1234 Main Street, Watertown, MA 02472

Check Us Out Online We've created a helpful insurance guide with tips, suggestions and a checklist to help you manage and update your policies. Call 1-800-000-0000 to have it sent to you.

Policies Being Billed

| Policy | Effective Date | Balance |
|---|----------------|--------------------|
| Hickory Glen Insurance Auto Policy 7104 703 Mitsubishi 02 | 07/01/09 | \$ 999.99 |
| Hickory Glen Insurance Auto Policy 7104 703 Volkswagen 07 | 07/01/09 | \$ 601.99 |
| Total Premium Balance | | \$ 1,601.98 |

MONTHLY ACTIVITY

| Item | Amount |
|--|---------------------------------------|
| Balance on last bill | \$ 1,601.98 |
| Most recent payment | \$ -268.99 |
| Policy 7104 703 Volkswagen 07 - COVERAGE DISCONTINUED | Balance of 08/09/09 \$ 0.00 |
| Policy 7104 703 Volkswagen 07 - REBATE CHECK ISSUED | Balance of 08/09/09 \$ -601.99 |
| Policy 7104 703 Volkswagen 07 - REBATE CHECK ISSUED | Balance of 08/09/09 \$ -601.99 |
| Balance of 08/09/09 | \$ 0.00 |

How To Avoid Fees and Charges
 With any payment option, we must receive your payment by the due date. If we don't, we may charge a late fee up to \$15, require you to pay the full amount due, or cancel your policy. Any late fee due will be added to your next installment.
 We also may charge a fee, as permitted by law, anytime a check or other payment of yours is returned for insufficient funds.
 Consider our automatic payment options to ensure your payment is received on time. See more on our website.

Detach here

Hickory Glen Insurance UNION BANK OF TRUST September 6, 2009 5008762
 1234 Main Street 1234 Republic Street
 Watertown, MA 02472 Credit Union, MA 02472

Pay To The Order Of: FIRSTNAME MI LASTNAME 987 Birch Street, Watertown, MA 02521 \$ 101.00

Memo: Rebate Policy 7104 03 Volkswagen 07 *David B. Smith*
 Authorized Signature

50667 3398 5973 8872 56789 5008762 0000 0000

Protecting Data and Tracking Production

THE SOLUTION: DOCUVISION PRO

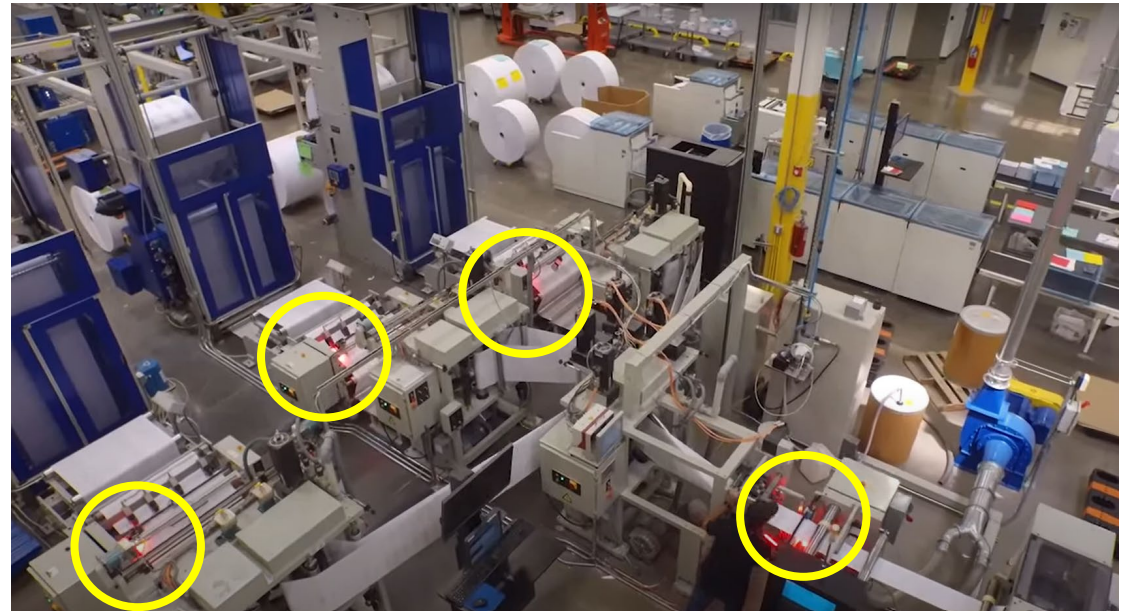
HIGH SPEED INSPECTION FROM 42" PRESS *THROUGH* LETTER LINE PRODUCTION.

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

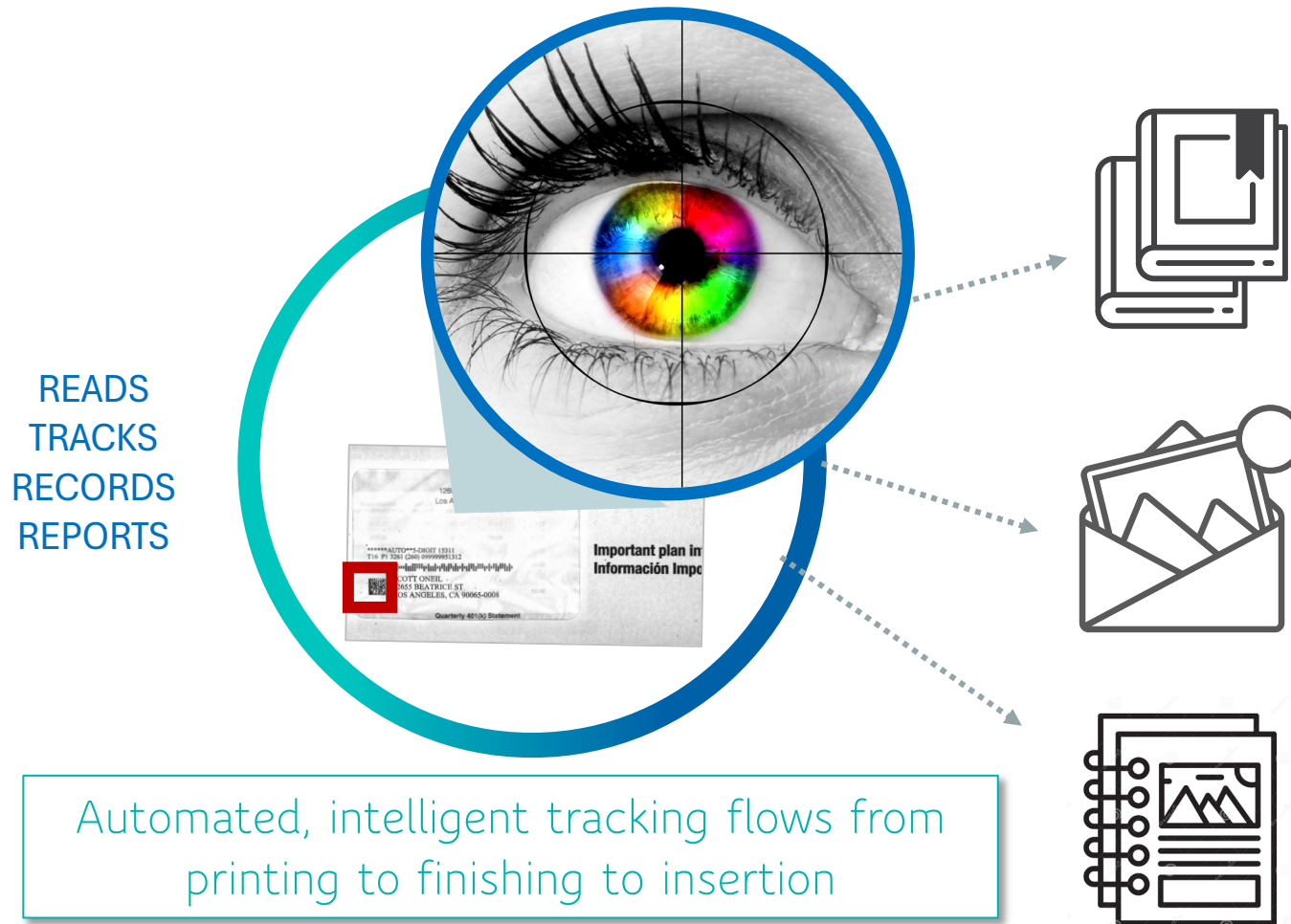
VITS: Unrolls, Splices, Merges, Folds, Cuts & stacks for inserters to process

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



RESULTS & BENEFITS: SECURE PRINTING



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

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

THE SOLUTION: DOCUVISION PRO

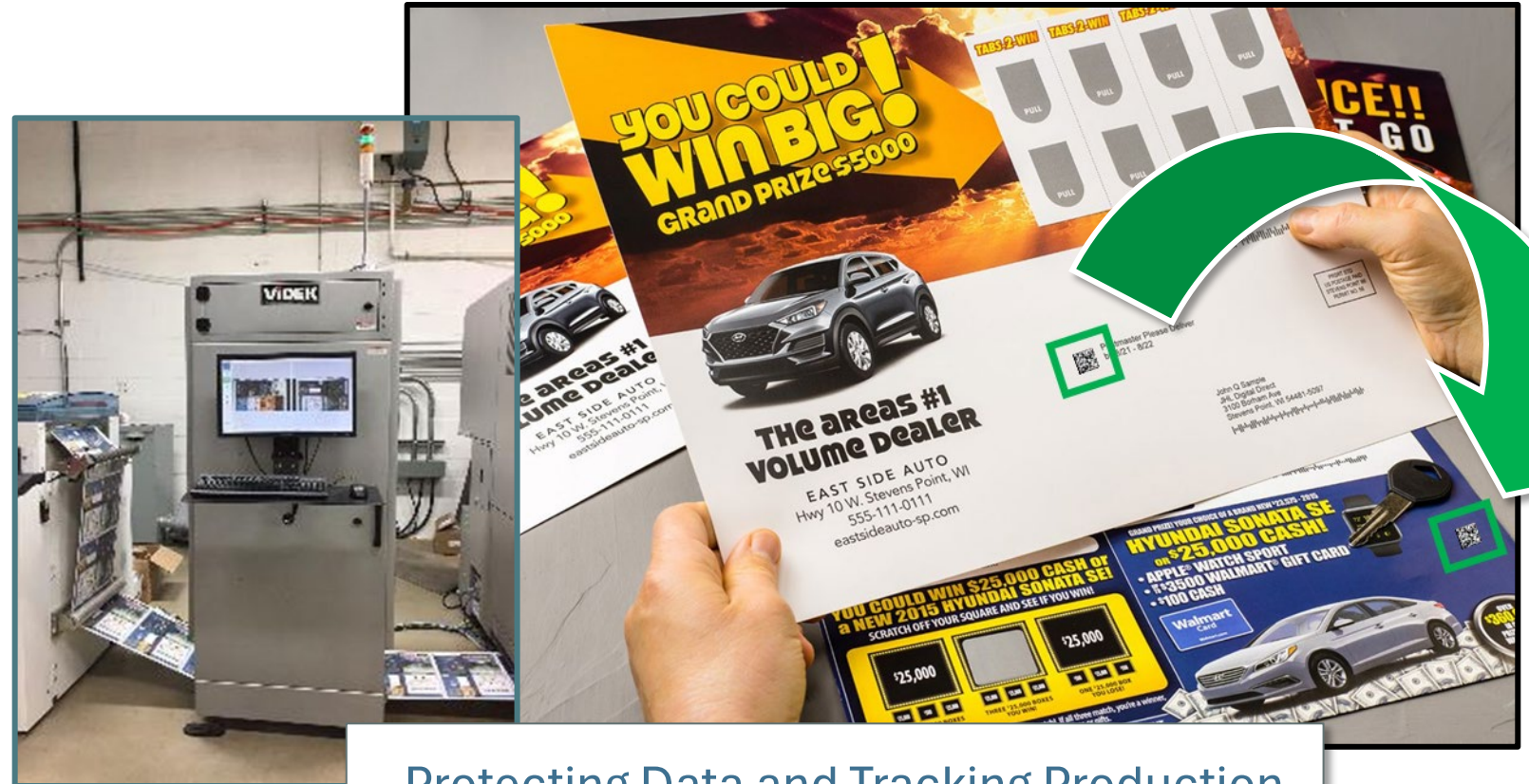
FRONT-TO-BACK MATCHING ON RICOH PRESSES FOR TARGETED "LUXURY" 1:1 MARKETING

Value

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

How:

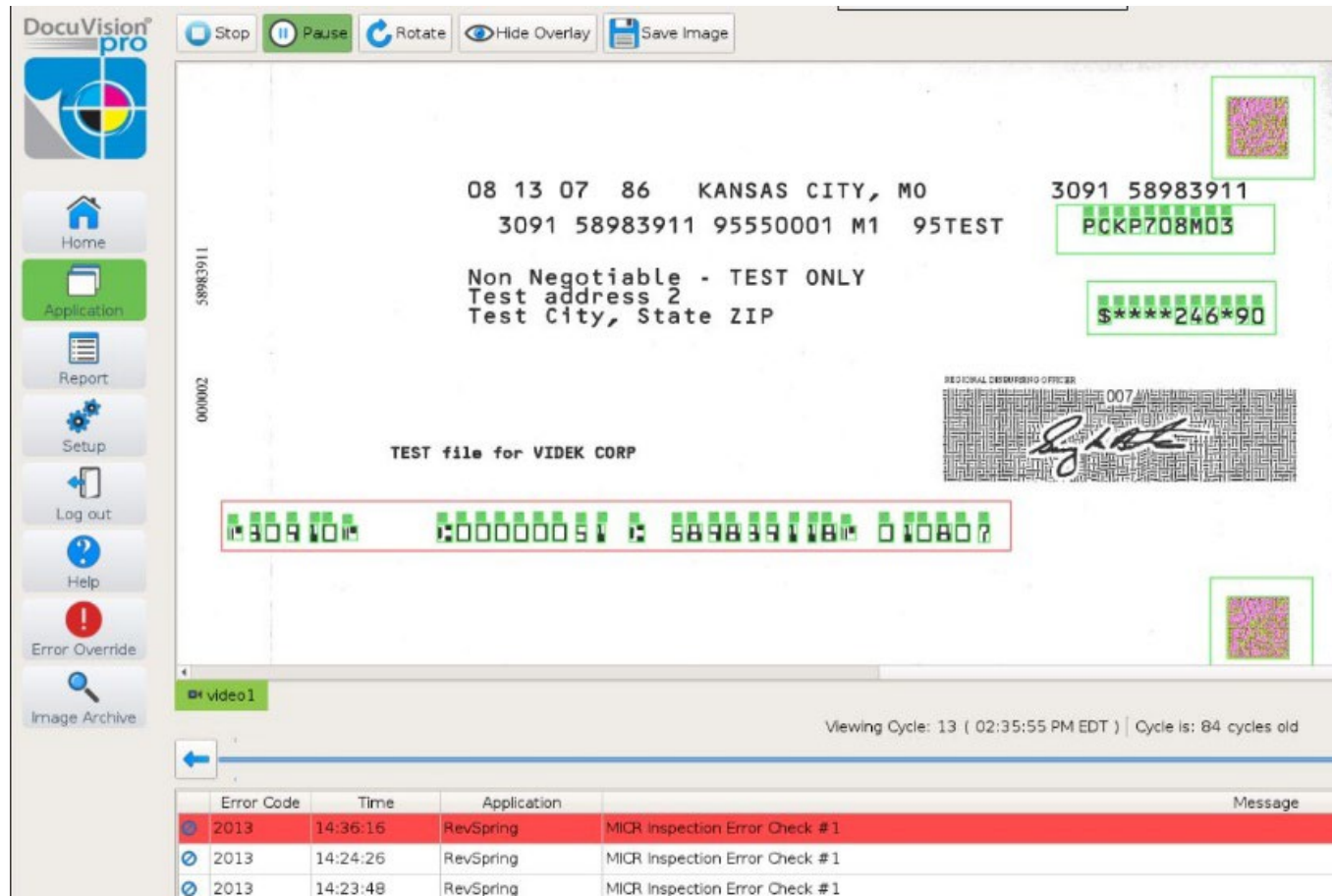
- Read DM on side 1
- Read DM on side 2
- Compare
- Alert Operator
- Stop PRINTER
- Store read results



Protecting Data and Tracking Production

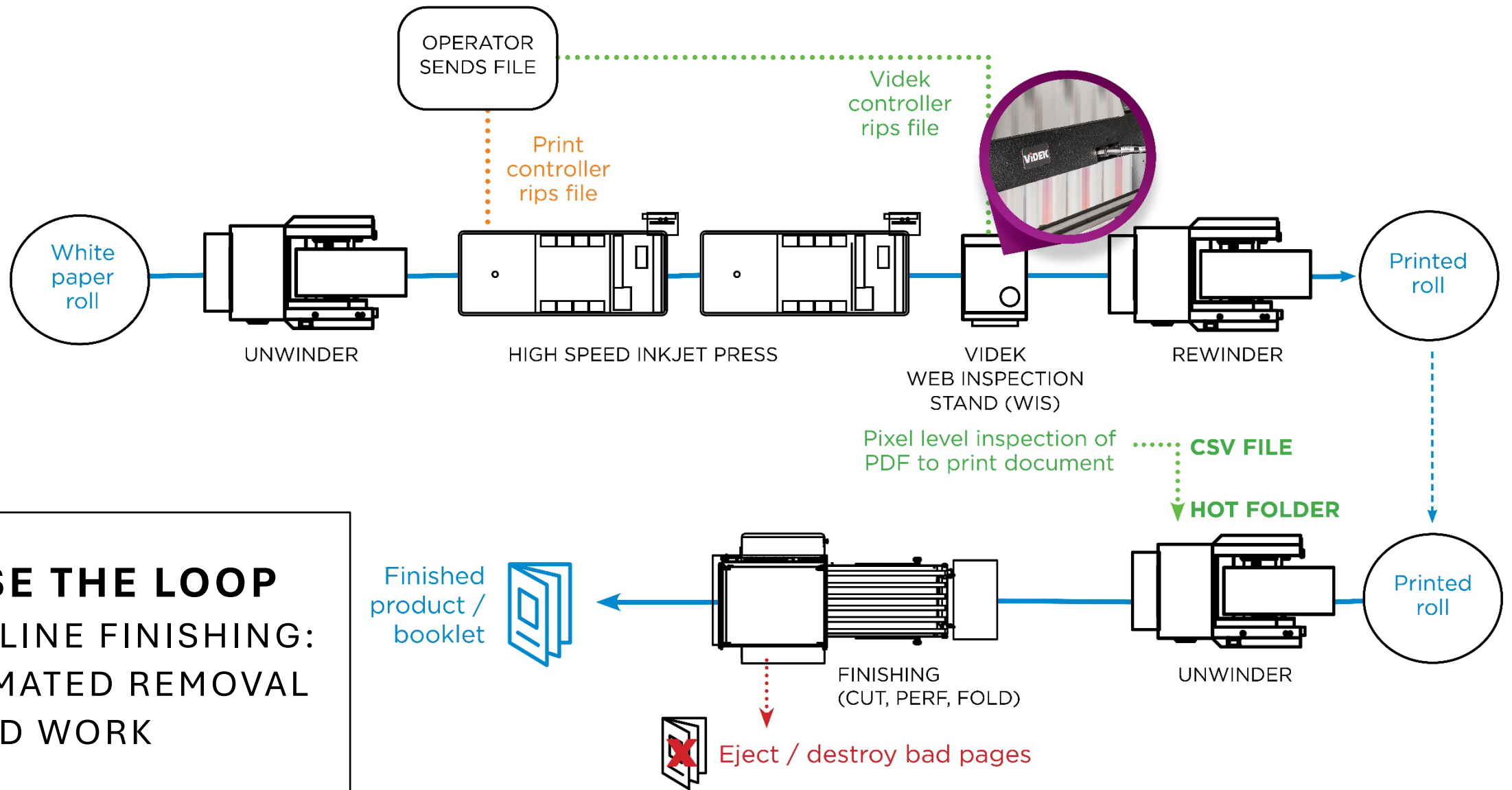
THE SOLUTION: DOCUVISION PRO

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.



CLOSE THE LOOP
 NEAR LINE FINISHING:
 AUTOMATED REMOVAL
 OF BAD WORK

VIDEK PARTNER APPROACH

Canon



RICOH



SCREEN

Kodak



KONICA MINOLTA

FUJITSU



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."

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

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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