

THOMPSON DIRECT

DIRECT MAIL & PACKAGING EQUIPMENT

XiJet HP Ink Jet Printing

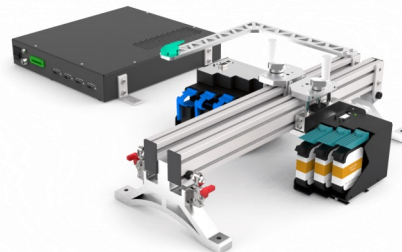
Inkjet Printing Inline, online, integrate, with base, table-top...yours or ours!

Invented Product Specifications •

Print Head Specifications

Inkjet Technology.....	-	Thermal; Drop-on Demand
Printer Controller.....	-	Integrated in print head - buffers up to 14 pages - Real-Time clock supports accurate date/time printing
Print Cartridge Type.....	-	HP 51645a
Compatible Number of Cartridges.....	-	1-4 Print Cartridge
Configurations -		Staggered (to increase height) - In-line (to print multiple colors)
Print Resolution.....	-	Configurable to 600 x 600 dpi
Cartridge to Media Spacing	-	1.0 - 1.5mm
Max Print Width	-	2.0" (4 staggered pens)
Max Print Length	-	700.0"
Max Print Heads	-	12
Ink Source	-	Standalone cartridges or bulk-supplied cartridges
Ink Types	-	Water-based, Solvent-Based
Ink Colors	-	Black, Spot Color
Software Interface (USB Imager) -		XiJet Composer application - FlexSystems FlexMail application - Customer-supplied application communicating via XiJet Windows API
Print Head Configurations	-	USB Imager Mode - Serial Printer Mode
Other Features.....	-	Off-line Printing - Automatic pen-deactivation

Max Transport Speed	-	Resolution	Speed	
		600 x 600	125 ft/min	38m/min
		600 x 200	375 ft/min	114m/min
		300 x 300	250 ft/min	76m/min
		300 x 200 Fast	750 ft/min	229m/min
		300 x 100 Fast	1500 ft/min	457m/min



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Mail Vision Camera Solutions

MailVision is a software platform that allows the design of flexible and versatile solutions to supervise and control the processing of high-volume document and mail-kit production.

The MailVision solutions:

- Eliminate a significant portion of the labor associated with quality control for complex, high-value applications
- Inspect each and every document that passes under its reading device
- In the event of an error, diverts the error pieces or stops production automatically, sounds an alert and displays an error indication on its screen interface
- Massively increase the integrity of document output, and substantially reduce the cost of achieving this level of integrity
- Log all activity in detailed, customizable data table architectures for end-to-end validated mail-kit and document production

Benefits – “Productivity & Costs”

- Eliminates high-cost sampling, fanning and related labor-intensive manual quality control procedures.
- Reduces down-time caused by manual quality control methods and increases the capacity of production mail and document processing equipment.
- Reduces spoilage and re-work.
- Offers an easy-to-use interface for set-up mechanics and operators.
- Identifies document errors in real-time and enables validated variable print document processing at top throughput.
- Enables management by measurement; by gathering data on every document and mail-kit processed, MailVision “sees” production output from each unit of host equipment MailVision integrates with and each operator MailVision interfaces with.

Benefits – “Customers & New Business”

- Improves key account penetration by enabling new validated variable document production applications.
- Expands service levels by increasing the capacity of production equipment and the quality of document output.
- Raises service levels by providing comprehensive, feature-rich reporting functionality.
- Increases the quality of document processing output by preventing against error documents and mail-kits from entering the output stream.
- Enables exceptionally flexible, validated variable document compositioning options.
- Provides flexible job processing options resulting in better use of document “real estate” and improved aesthetic presentment.
- Enhances corporate image through the use of state-of-the-art document processing technology.

Applications

- Matching of multiple documents
- Component selective inserting
- Read and print: in-line inkjet addressing/1:1 messaging
- Base stock validation
- Address Block validation
- Numeric, and alphanumeric, sequence verifications
- Component grouping
- Combination of any of the above-mentioned functionalities

Readings

- Alphanumeric characters (OCR)
- Bi-dimensional barcodes (e.g, DataMatrix, PDF417)
- Linear barcodes (e.g., Code 39, Code 128, Interleave 2 of 5)
- Patterns & symbologies
- Custom codes
- Optical marks
- Magnetic stripes
- 1. • RFID

