

DATACARD® MX8100™ CARD ISSUANCE SYSTEM DATACARD® MXD810™ CARD DELIVERY SYSTEM DATACARD® MXi810™ ENVELOPE INSERTION SYSTEM



BUILD YOUR ULTIMATE SYSTEM

With the MX8100 system, you can choose from the following modules:

- System Controller
- High Capacity Card Input
- Card Cleaning
- Vision Verification
- OCR-B/Barcode Scanner
- Magnetic Stripe Encoding
- MM Module
- Barrel Dual Interface Smart Card Personalization
- Graphics Printing
- Color Printing
- Laser Engraving
- Basic Topcoat
- Datacard® CardGard™ UV-curing Topcoat
- Datacard® DuraGard® Laminate
- Secure Indent
- Embossing
- Topping
- Label Affixing
- Card Flippers
- Single-card Buffer
- Multi-card Buffer
- Quality Assurance
- High Capacity Card Output
- Datacard® MXD810™ Card Delivery System
- Datacard® MXi810™ Envelope Insertion System

Speed, Security and Productivity — from Start to Finish

The Datacard® MX8100™ card issuance system brings unrivaled speed, reliability and cost-per-card efficiency to your issuance operations. Our fastest central issuance system yet, it offers a rated speed of up to 3,000 cards per hour. True field modularity, automated inline quality assurance, and streamlined smart card handling uniquely prepare you to meet your critical challenges – including the need to enhance the consumer experience, elevated data security threats and intensified cost pressures. Combined with the inline MXD810™ card delivery system and MXi810™ envelope insertion system, the MX8100 system provides a true card-to-finished-envelope solution.

Our Fastest MX Series System. Speed is enhanced by the factors that drive real-world yields — including unmatched productivity, seamless card handling and optimized operator interaction. The MX8100 system sets a clear world standard for high-volume throughput.

Maximized Efficiency. The MX8100 system is our most productive high-volume system. Operators have the ability to group multiple small jobs to increase overall efficiencies. Datacard® Certified Supplies featuring patented Intelligent Supplies Technology™ verifies that the correct supplies are loaded and warns operators when supplies are running low.

True Field Modularity. Unlike competitive systems, the MX8100 system offers true field modularity. Entirely new or enhanced modules can be field-installed in a matter of minutes, which helps drive the unmatched investment protection you get from Datacard Group.

Quality Assurance Breakthroughs. Our software-driven features bring automation and precision to previously manual tasks and provide operators with tools to make productive decisions on the fly. With automated inline quality assurance, you can greatly reduce errors and waste, achieve higher throughput and lower your costs.

Maximized Comprehensive Solution. Seamless integration with Datacard® card delivery and envelope insertion systems creates a powerful, complete card-to-finished-envelope solution, enabling issuers to efficiently and cost-effectively increase consumer engagement and drive new revenue.

CREATE BIG OPPORTUNITIES WITH ENHANCED CARD DELIVERY

Bigger, bolder card carriers give marketers a new way to reach cardholders and grow revenue. Use the extra space to deliver customized 1:1 messages, encourage card activation, include promotional coupons, and cross sell other products and services. Capture cardholder's attention with engaging color graphics and images that speak directly to their lifestyles and interests.



With the MXD810 system, you can choose from the following modules:

- Card Affixing
- Form Buffer
- Form Folder
- Flex-form
- Pre-printed Form Feeder
- Black & White Printers
- Color Printers
- Form Stacker

MXD810 Card Delivery System

- **On-demand color printing.** High-quality printing reduces the need for large inventories of preprinted forms. Crisp, full-color laser printing makes it easy to add visual impact and promotional content to your mailings.
- **Larger Form Sizes.** This additional real estate is perfect for printing expanded terms and conditions and adding cross-promotional content to your mailers.
- **Print Any Carrier, Any Way You Choose.** No matter what your card program requires, print full-color carriers on demand or feed pre-personalized carriers into the system to complete any type of mailing with various sizes of paper.

EFFORTLESS ENVELOPE INSERTION

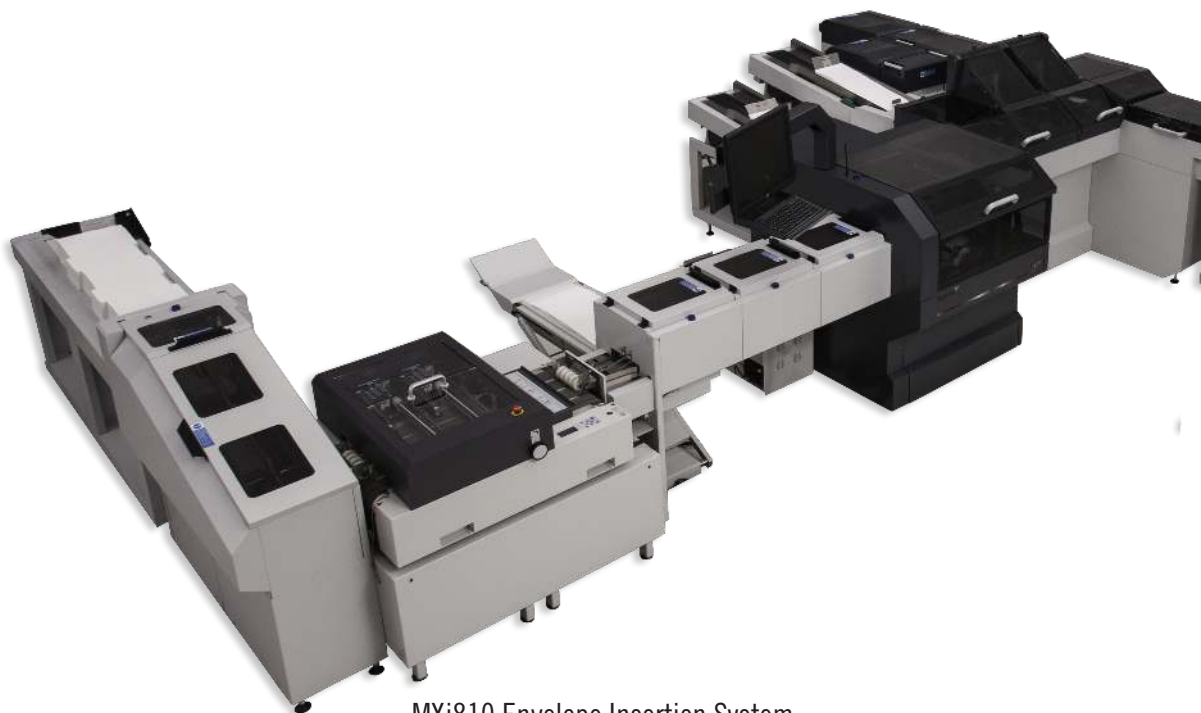
Bring the reliability and security you need to complete high-quality finished mailings by adding robust folding and inserting capabilities. Include a variety of inserts and forms to your card mailings to add a personal touch to each package which helps build lasting relationships with your customers.

With the MXi810 system, you can choose from the following modules:

- Insert Feeder
- Sheet Feeder/Folder
- Accumulator/Folder
- Inserter Base
- Verification
- Standard Divert
- Envelope Printing
- Franking Interface
- High Capacity Vertical Conveyor

MXi810 Envelope Insertion System

- **Achieve high productivity.** To drive continuous inline advantages, the MXi810 system offers inline insertion, sealing, and supports inline postage metering. With built-in automation throughout the process, you can save time with minimal operator intervention.
- **Flexible segmentation.** Control your production priorities and drive your system based on business need. Enhanced functionality allows you to automatically divert mail packages, rank important deliveries, and organize output for efficient distribution.
- **Precise Packages.** Inline verification automatically weighs each package or checks the thickness of each piece to verify that the envelope has the correct cards, carriers and inserts for each cardholder—every time.
- **Ease of use.** Operators can easily switch between jobs with minimal manual intervention and easy set-up.
- **Customized packages.** Print on-demand, personalized messaging or static logo graphics on the envelope



MXi810 Envelope Insertion System

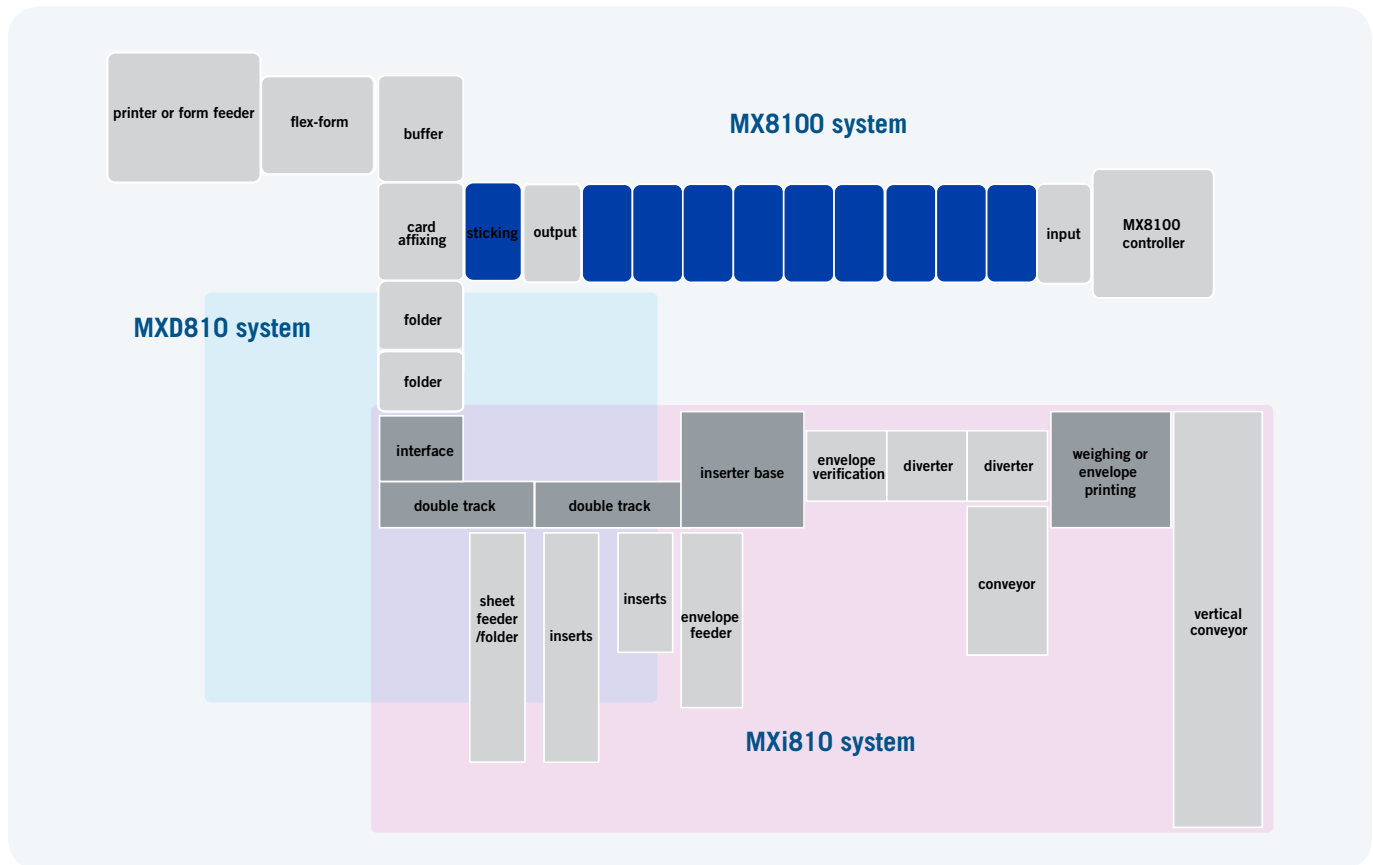
DATACARD® MX8100™ CARD ISSUANCE SYSTEM

MX8100, MXD810 and MXi810 Key System Specifications	
Rated Speed	Up to 3,000 CPH
Operating System	Microsoft Windows 7 Embedded Standard 7 OS
Template Management	Microsoft® Word 2013
Maximum Configuration	MX8100: Up to 40 modules MXD810: Up to 1 system per personalization system MXi810: Up to 1 system per MXD system
Cards Per Form	Up to 4 cards anywhere on form
Printer Ready Data	PCL (black and white), Postscript (color), PDF
Electrical Requirements	MX8100: 230V, 50/60Hz, 15 Amps MXD810: 230 V, 50/60Hz, 30 Amps MXi810: 230 V, 50/60Hz, 30 Amps
Operating Requirements	Room temperature: 65° to 80° F (18° to 27° C); Humidity: 20% to 85% (non-condensing)
Storage Requirements	Room temperature: 50° to 130° F (-46° to 54° C); Humidity: 0% to 100% (non-condensing)
Agency Approvals	FCC, UL, cUL, CE and RoHS Compliant.
Card Types Supported	ISO/IEC 7810 ID-1 Size; 30 mil (+/- 10%)
Card Materials Supported	Most card materials can be processed, including PVC, composite, polycarbonate, ABS, PET and PETG. Limitations may exist for each personalization or verification technology.
Paper types Supported	20-24 lb bond paper (90.3 gsm) See Datacard Card Delivery Paper / Envelope Guidelines for additional specifications

Note: MX8100 system modules cannot be used in the Datacard® MX2100™ card issuance system and MX2100 system modules cannot be used in the MX6100 system.

*For specific details, see individual module datasheet

CARD TO ENVELOPE ISSUANCE



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