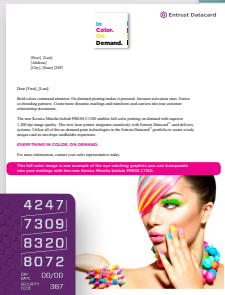


DATACARD® MX8100™ CARD ISSUANCE SYSTEM **DATACARD® MXD810™ CARD DELIVERY SYSTEM** **DATACARD® MXi810™ CARD ENVELOPE INSERTION SYSTEM**



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 Gen 2
- OCR-B/Barcode Scanner
- Magnetic Stripe Encoding
- MM Module
- Barrel Dual Interface Smart Card Personalization
- Durable Graphics Printing
- Graphics Printing Gen 2
- Color Printing Gen 2
- Drop on Demand
- Laser 350
- Basic Topcoat
- Datacard® CardGuard® UV-curing Topcoat
- Datacard® DuraGuard® Laminate
- Secure Indent
- Embossing/Indent Printing
- Topping
- Color Label Printing
- 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.

Innovative Inline Technologies. Provide stunning, high quality edge-to-edge printing on cards and labels or sleek & flat card designs with UV-cured printing technologies, all inline to help deliver unique and highly personalized eye-catching designs.

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

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.

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

Datacard®

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.

MXD810 Card Delivery System

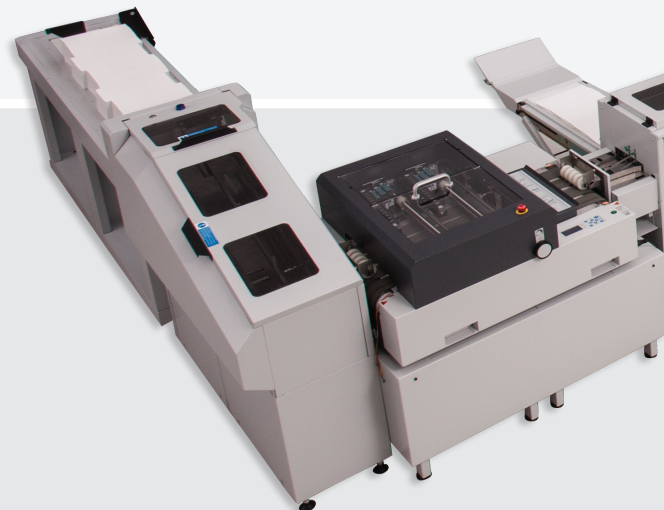
- Streamlined Data Flow.** Both card personalization and card delivery systems use one set of data and file names — resulting in increased data security and reduced IT interventions.
- On-demand Color Printing.** High-quality printing helps reduce the need for large inventories of pre-printed forms. 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 for a complete high-impact mail piece.
- Card Carrier Integrity.** Verification options that help ensure the correct card and carrier are matched to ensure the integrity of the mail package.

COMPLETE CARD-TO-ENVELOPE SOLUTION



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

- | | |
|---------------------------|--|
| • Card Affixing | • Black & White Printer |
| • Form Buffer | • Color Printer |
| • Form Folders | • Card Carrier Stock & Template Verification |
| • Flex-form | • Form Stacker |
| • Pre-printed Form Feeder | |

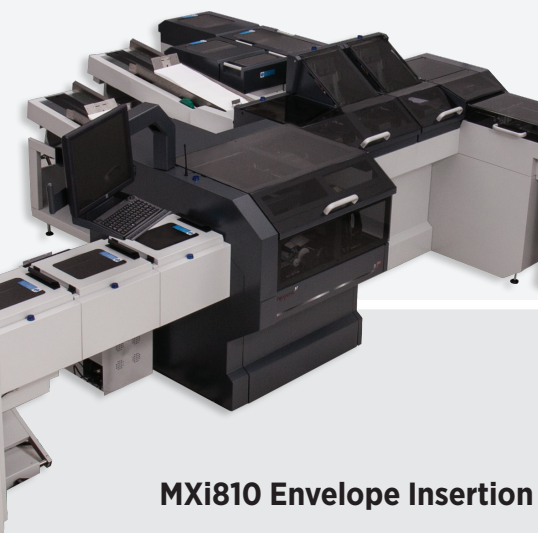


EFFORTLESS ENVELOPE INSERTION

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

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 needs. 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

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

DATACARD® MX8100™ CARD ISSUANCE SYSTEM

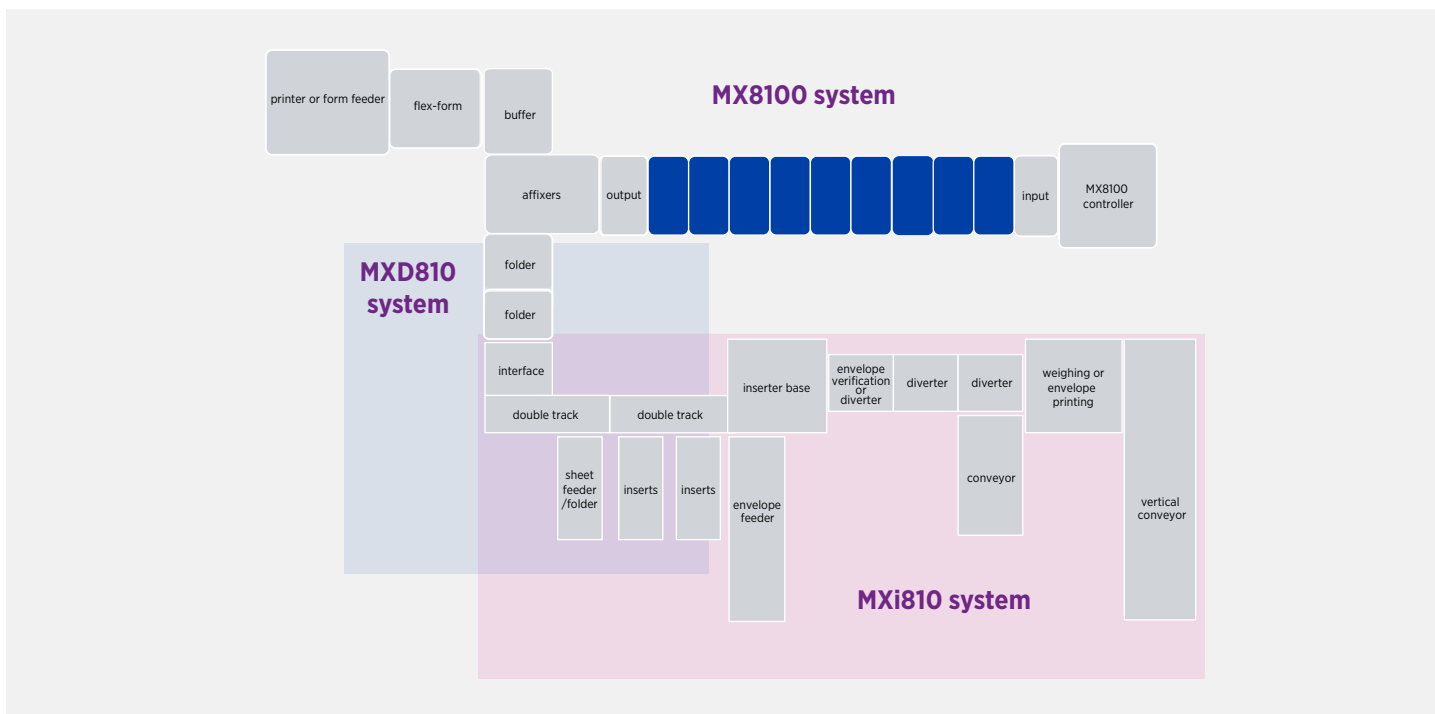
MX8100, MXD810 and MXi810 Key System Specifications

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: 35% to 85% (non-condensing) Recommend service area around system be at least 36" (76.2 cm) to help provide adequate airflow See module datasheets for specific information
Storage Requirements	Room temperature: 50° to 130° F (10° to 54° C); Humidity: 0% to 85% (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 MX8100 system.

*For specific details, see individual module datasheet

INTELLIGENT END-TO-END ISSUANCE



Corporate Headquarters

Phone: +1 952 933 1223

www.entrustdatacard.com

info@entrustdatacard.com

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