MX8100™
MXD810™
MXi810™

Datacard® MX Series System

The ultimate issuance platform for large, high-volume card operations

The Datacard® MX Series solution offers the most powerful and flexible card personalization and card delivery systems — at speeds that allow you to quickly respond to emerging consumer trends. Card issuers can easily customize cards, labels, and card carriers to bring dynamic card mailing to each cardholder.

ENTRUST
SECURING A WORLD IN MOTION

Quickly respond to emerging consumer trends

DATACARD® MX8100™ CARD ISSUANCE SYSTEM

Today's most powerful and flexible high-volume issuance platform is ideal for service bureaus, banks, government agencies, insurers, and other enterprises that refuse to compromise on profitability, security, efficiency, card quality, or cardholder engagement. Configure the system to match your precise needs — and expand whenever those needs change. Up to 3,000 CPH rated speed and built-in quality features ensure best-in-class efficiency.

BUILD YOUR UNIQUE SYSTEM
- System Controller
- High Capacity Card Input
- Metal Card Input
- Card Cleaning
- Vision Verification Gen 2
- OCR-B/Bar Code Scanner
- Magnetic Stripe Encoding
- Barrel Dual Interface Smart Card Personalization
- Durable Graphics Printing
- Graphics Printing Gen 2
- Color Printing Gen 2
- Drop on Demand Printing Gen 2
- Duplex Drop on Demand Printing
- Laser 350
- Laser 450F
- Laser 450G
- Basic Topcoat
- Datacard® CardGard® UV-curing Topcoat
- Datacard® DuraGard® 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
- Metal Card Output
- Datacard® MXD810™ Card Delivery System
- Datacard® MXi810™ Envelope Insertion System

Powerful, flexible high-volume card issuance solutions

Powerful integrated software: Controller Software provides a single interface for all interactions with the MX8100 System. This powerful software manages access to the system, enables creation of card and job setups, and tracks production level audits to empower card operation efficiency and security.

Innovative technologies: Deliver unique eye-catching card and label designs by utilizing UV-curable card printing, laser engraving card personalization, and embossing technologies with full-color, dynamic label printing — all inline.

True field modularity: Modular design and a common MX Series Software Platform make it easy to adapt your issuance infrastructure and quickly accommodate surges in demand, expansion into new markets, and other operational opportunities.

Smart card flexibility: An innovative barrel dual interface smart card module — powered by Adaptive Issuance™ Chip Interface Software — accommodates contact, contactless, dual interface, or combi smart cards with a variety of coupler choices.

Automated inline quality assurance: Software-driven features bring automation and precision to previously manual tasks and provide operators with tools to make production decisions on the fly. With automated inline quality assurance, you can greatly reduce errors and waste to achieve higher throughput and lower costs.

Service and support: The MX Series Platform is supported by the industry's largest service and support network, which spans more than 150 countries worldwide. Online and phone support is available 24/7.

MX8100 Card Issuance System

Deliver dynamic card mailings to each cardholder

With the MXD810 System, you can choose from the following modules and options:

- Card Affixing
- Vertical Card Placement
- Black and White Printer
- Color Printer
- Pre-printed Form Feeder
- Flex-form

- Form Buffer
- Form Folders
- Card Carrier Stock and Template Verification
- Card Carrier Sorter
- Form Stacker

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 cardholders' 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.

Flexible form sizes: This additional real estate is perfect for printing expanded terms and conditions and adding cross-promotional content to your mailers.

Regroup production to drive uptime and efficiency: Card carrier sorting provides the flexibility to remove inefficiencies from the inline process and/or reorganize finished card carriers to maximize production.

Support market trends: Meet the growing vertical card trend without limiting job sizes based on card orientation. Dynamically place cards on carriers horizontally and vertically to meet customer requests.

MXD810 Card Delivery System

Intelligent 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 a robust envelope insertion system. Built-in automation throughout the process helps ensure fast job changes with minimal downtime and operator intervention.

Divert and sort: 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.
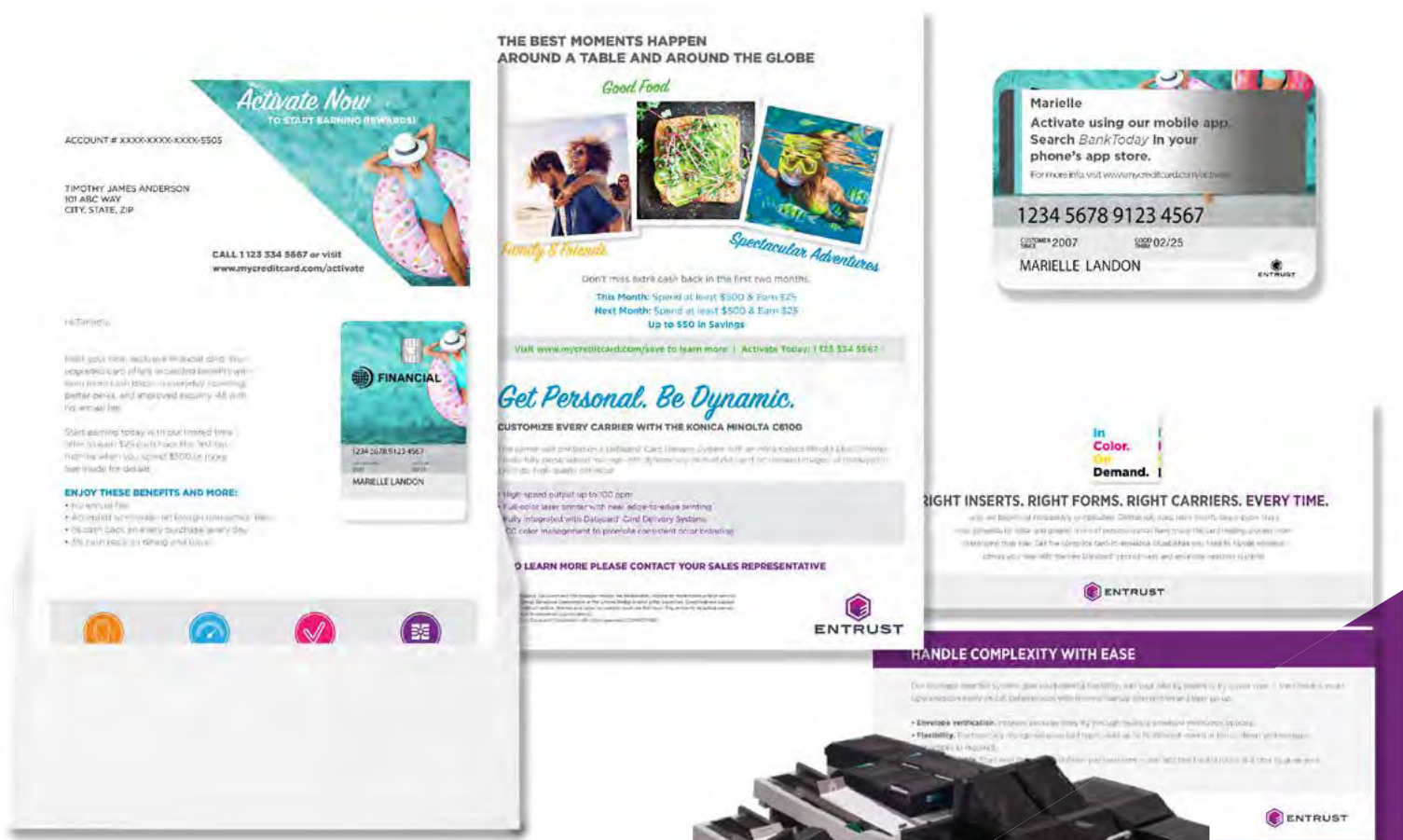
Selective insertion: Intelligence built in to help drive larger job runs and production throughput.

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.

Customized packages: Print on-demand, personalized messaging or static logo graphics on the envelope.

Support rewards programs: Card carrier feeding supports the insertion of additional card carriers in a single package. This allows for more cards to be bundled in one package.

Complete card-to-envelope solutions

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

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

MXi810 Envelope Insertion System

MX8100, MXD810, and MXi810 System Specifications

Rated Speed	Up to 3,000 CPH
Operating System	Microsoft® Windows® 10 IoT Enterprise 2016 LTSB
Template Management	Microsoft® Word 2019
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. Up to 5 cards are allowed with the Vertical Card Placement Option.
Printer Ready Data	PCL (black and white), PostScript (color), PDF
Electrical Requirements	MX8100: 230V, 50/60Hz, 15 Amps MXD810: 230V, 50/60Hz, 30 Amps MXi810: 230V, 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 in. (76.2 cm) to help provide adequate airflow. See module data sheets 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 data sheet.

INTELLIGENT END-TO-END ISSUANCE
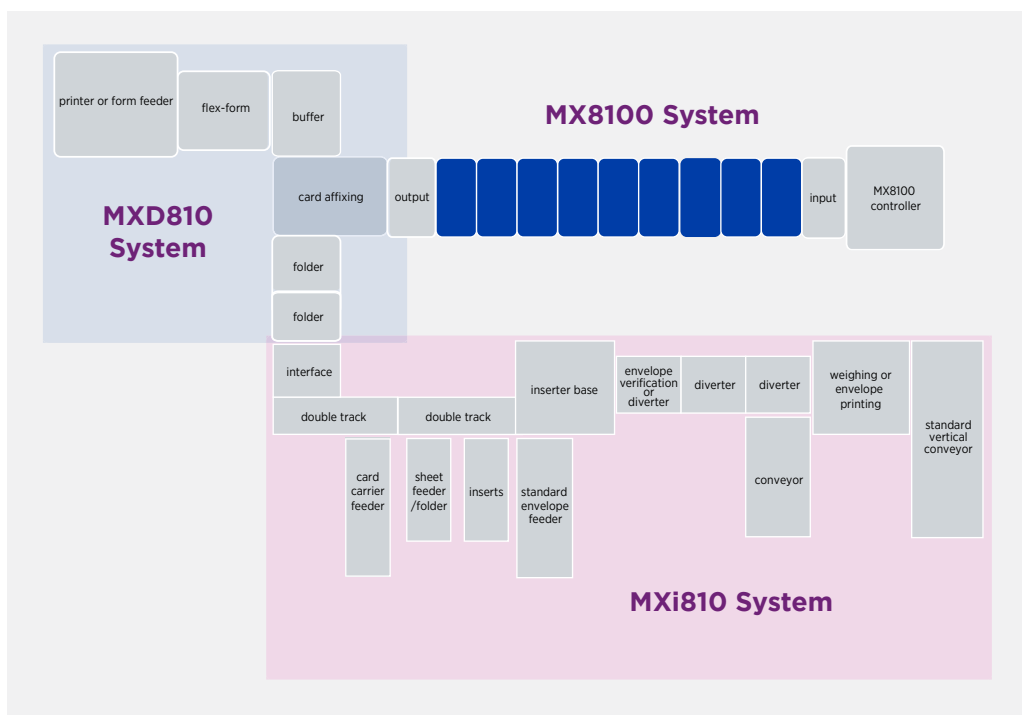
Identification Systems Group
www.**identificationsystemsgroup**.com
info@identificationsystemsgroup.com
888 864 6482