

# DATACARD® MX2000™ CARD ISSUANCE SYSTEM



## AFFORDABLE ADVANCED TECHNOLOGY

The MX2000 system offers the following modules:

- System controller
- Card input
- Card cleaning
- Magnetic stripe encoding
- OCR-B/Bar code scanner
- Contact smart card personalization
- Contactless smart card personalization
- Single step color printing
- Graphics printing
- Basic topcoat
- CardGard™ UV-curing topcoat
- Embossing
- Topping
- Label affixing
- Card flipper
- Multi-card buffer
- Card output

## Produce high-quality cards with exceptional efficiency

Cost-conscious card issuers around the world can rely on the Datacard® MX2000™ card issuance system to deliver outstanding card quality, productivity and reliability, at a speed up to 1,200 cards per hour — all for an extremely competitive price.

- **Premium quality.** The MX2000 system offers many of the same card personalization technologies as our premier card issuance systems. Highlights include industry-leading embossing and indent printing, high quality single step color printing, precise graphics printing, versatile smart card personalization and inline topcoat application. The system also delivers important operational advantages. So you can expect excellent uptime and ease of use.
- **Flexible, modular design.** The MX2000 system can be configured with up to nine personalization modules. Start with the capabilities you need right now, then add new modules to the system as your needs evolve. This modular architecture not only lets you respond quickly to new customer needs — it helps protect your technology investment.
- **Robust security features.** The MX2000 system uses a familiar Microsoft® Windows® operating system that enables administrators to authenticate operators and restrict access to data, applications and jobs. You can also track cards and perform detailed production audits.
- **A complete card-to-envelope solution.** The Datacard® MXD™ Lite card delivery and Datacard® MXi™ envelope insertion systems seamlessly integrate with the MX2000 system to enhance your overall card operations. In one automated process, you can affix cards and add marketing insertions into an envelope for a complete card-to-envelope solution.

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## Module Specifications

MX2000 Module	Current Draw	Heat Output	Weight
System Controller	1.19 Amps at 230V	903 BTUs per hour	300.0 lbs (136.1 kg)
Card Input	Included in System Controller	Included in System Controller	Included in System Controller
Card Cleaning	0.58 Amps at 230V	439 BTUs per hour	132.0 lbs (59.9 kg)
Magnetic Stripe Encoding	0.39 Amps at 230V	300 BTUs per hour	85.0 lbs (38.6 kg)
OCR-B/Bar Code Scanner	0.46 Amps at 230V	348 BTUs per hour	93.0 lbs (42.2 kg)
Contact Smart Card Personalization	0.74 Amps at 230V (11 stations)	566 BTUs per hour (11 stations)	111.0 lbs (50.3 kg) plus 1.5 lbs (0.68 kg) per programming station
Contactless Smart Card Personalization	0.74 Amps at 230V (6 stations)	566 BTUs per hour (6 stations)	111.0 lbs (50.3 kg) plus 1.5 lbs (0.68 kg) per programming station
Single-step Color Printing	0.64 Amps at 230V	492 BTUs per hour	116.0 lbs (52.6 kg)
Graphics Printing	0.60 Amps at 230V	437 BTUs per hour	116.0 lbs (52.6 kg)
Basic Topcoat	1.79 Amps at 230V	1,390 BTUs per hour	197.0 lbs (89.4 kg)
CardGard™ UV-Curing Topcoat	2.24 Amps at 230V	6,790 BTUs per hour	340.0 lbs (154.2 kg)
Embossing	0.80 Amps at 230V for embossing 0.80 Amps at 230V for indent printing	606 BTUs per hour for embossing 606 BTUs per hour for indent printing	123.0 lbs (55.8 kg)
Topping	0.76 Amps at 230V	559 BTUs per hour	101.0 lbs (45.8 kg)
Label Affixing	0.54 Amps at 230V	425 BTUs per hour	100.0 (45.4 kg)
Card Flipper	0.46 Amps at 230V	348 BTUs per hour	93.0 lbs (42.2 kg)
Multi-Card Buffer	0.39 Amps at 230V	304 BTUs per hour	90.0 lbs (40.8 kg)
Card Output	0.43 Amps at 230V	307 BTUs per hour	100.0 lbs (45.4 kg)
	Note: MX2000 system modules cannot be used in the Datacard® MX6000™ card issuance system, and MX6000 system modules cannot be used in the MX2000 system.		

## Key System Specifications

Rated Speed	Up to 1,200 CPH
Operating System	Microsoft® Windows® XP Professional
Maximum Configuration	9 personalization modules (not including card input, card output, system controller, card cleaning, multi-card buffer and card flipper)
Card Types Supported	ISO/IEC 7810 ID-1 Size; 30 mil (±10%)
System Height	To top of module 50.1 in. (127.3 cm)
System Depth	33.8 in. (85.9 cm)
Electrical Requirements	230V, 50/60Hz, 15 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 Materials Supported	All card materials can be processed, including PVC, composite, polycarbonate, ABS, PET and PETG Limitations may exist for each personalization technology

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