

DATACARD® MX6000™ CARD ISSUANCE SYSTEM



A POWERFUL INLINE SOLUTION FOR SECURE, HIGH-VOLUME CARD PROGRAMS

Inspired innovation

The MX6000 system features the following modules:

- System controller
- Card input
- Card cleaning
- Magnetic stripe encoding
- Contact smart card personalization
- Contactless smart card personalization
- Graphics printing
- Color printing
- Artista® VHD retransfer color printing
- Laser engraving
- CardGard™ UV-curing topcoat
- DuraGard® laminate
- Embossing
- Topping
- Label affixing
- Card flipper
- Card output
- Datacard® MXD™ card delivery system

The Datacard® MX6000™ card issuance system integrates the sophisticated technologies governments, integrators, financial institutions, retailers, service bureaus and other card issuers require to produce a wide range of cards and secure IDs.

- **Optimized for high-volume performance.** The MX6000 system delivers up to 1,500 cards per hour with outstanding efficiency. The innovative platform enables issuers to meet challenging production schedules for complex cards and jobs, while maintaining exceptional card integrity. A Microsoft® Windows® operating system interface promotes ease of use, and the system enhances productivity with secure, remote diagnostics and troubleshooting.
- **Advanced inline technologies.** The MX6000 system is the first of its kind to integrate full-card, pigment-based retransfer color printing with an array of other card personalization capabilities — including direct-to-card color and graphics printing — completely inline. Plus, the system's flexible, modular design allows you to select a configuration that addresses current needs, then expand your system with new modules and technologies over time.
- **Comprehensive security.** The MX6000 system incorporates multiple security features for hardware, software and data. The system also uses access privileges and login authentication to help you control which operators have access to sensitive information.

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SECURE ID AND CARD PERSONALIZATION SOLUTIONS

DATACARD®
MX6000™ CARD ISSUANCE SYSTEM

Module Specifications			
MX6000 Module	Current Draw	Heat Output	Weight
System Controller	1.5 Amps at 230V	1,125 BTUs per hour	240.0 lbs (109.0 kg)
Card Input	0.6 Amps at 230V	450 BTUs per hour	100.0 lbs (45.4 kg)
Card Cleaning	0.5 Amps at 230V	375 BTUs per hour	132.0 lbs (59.9 kg)
Magnetic Stripe Encoding	0.5 Amps at 230V	375 BTUs per hour	85.0 lbs (38.6 kg)
Contact Smart Card Personalization	1.3 Amps at 230V (11 stations)	975 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	1.3 Amps at 230V (6 stations)	975 BTUs per hour (6 stations)	111.0 lbs (50.3 kg) plus 1.5 lbs (0.68 kg) per programming station
Graphics Printing	2.25 Amps at 230V	1,800 BTUs per hour	116.0 lbs (52.6 kg)
Color Printing	6.75 Amps at 230V	5,400 BTUs per hour	348.0 lbs (157.9 kg)
Artista® VHD Retransfer Color Printing	TBD Amps at 230V	TBD BTUs per hour	TBD (TBD kg)
Laser Engraving	TBD Amps at 230V	TBD BTUs per hour	155.0 lbs (71.0 kg)
CardGuard™ UV-Curing Topcoat	13 Amps at 230V	9,750 BTUs per hour	340.0 lbs (154.2 kg)
DuraGard® Laminate	2.3 Amps at 230V	1,725 BTUs per hour	248.0 lbs (112.5 kg)
Embossing	TBD Amps at 230V for embossing TBD Amps at 230V for indent printing	TBD BTUs per hour for embossing TBD BTUs per hour for indent printing	123.0 lbs (55.8 kg)
Topping	1.85 Amps at 230V	1,450 BTUs per hour	101.0 lbs (45.8 kg)
Label Affixing	TBD Amps at 230V	TBD BTUs per hour	TBD (TBD kg)
Card Flipper	0.65 Amps at 230V	500 BTUs per hour	93.0 lbs (42.2 kg)
Card Output	0.5 Amps at 230V	375 BTUs per hour	100.0 lbs (45.4 kg)
Key System Specifications			
Rated Speed	Up to 1,500 CPH		
Operating System	Microsoft® Windows® XP Professional		
Maximum Configuration	24 modules		
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. (85.85 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	UL, cUL, CE Compliant with the EMC, LVD and Machinery Directives. 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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