HID® ELEMENT™

Laser Engraver System

	FEATURES
Dual-Sided Marking	Standard
Warranty	Laser diode: 24 months All other system components: 12 months
	LASER ENGRAVER CHARACTERISTICS
Laser Type	3W (standard) or 8W (optional) air cooled DPSS laser
Card Material Types	Polycarbonate (PC) recommended
Laser Personalization Types	Sub-surface and tactile laser engraving, microtext, MLI/CLI (optional)
Laser Graphics Capabiity	True Grayscale
Communication Interface	Ethernet LAN (laser system) / USB 2.0 (encoders)
Registration Capability	Camera Registration System (optional)
Laser Resolution	600 DPI
Laser Speed	Up to 300 cards per hour depending on amount of laser marking
Dimensions (laser engraver/one input/one output)	21.0" H x 25.0" W x 21.5" D (533mmH x 635mmW x 546mmD)
Weight (laser engraver/one input/one output)	90 lbs / 41.0 kg
Power Input	100-240 VAC, 9.0 A MAX, 50 Hz - 60 Hz
Operating Environment	60°F to 90°F (15°C to 32°C), 20% to 80% non-condensing humidity
Certifications	CLASS 1 LASER PRODUCT, UL, CE, FCC Class-A
	SYSTEM SECURITY STANDARDS
Locking Card Input Hopper	Yes
Locking Card Output Stacker	Yes
Lockable Laser Housing	Yes
	SYSTEM COMMUNICATION STANDARDS
Supported Software Drivers	Windows® 7 / 10 / 11 / Server 2008 R2 / Server 2012 R2 / Server 2016 / Server 2019 / Server 2022
	CARD STANDARDS
Card Size	CR-80 only
Card Input Capacity (1 Hopper)	400 cards (.030" / .762mm)
Multiple Input Hopper/Output Stacker Capability	Yes, up to 4 input and output modules (for a total capacity of up to 1600 cards)
Card Output Stacker Capacity (1 Hopper)	400 cards (.030" / .762mm)
Card Thickness	.030" (30 mil) / .762mm
Card Cleaning Station	Yes
	OPTIONS
ISO Magnetic Encoding	Yes
Contact Smart Card Encoding	Yes
Contactless Smart Card Encoding	Yes
MLI	Yes*
CLI	Yes*
Combine with Color UV Printing	Yes
Camera Registration System	Yes
8W laser (for faster laser marking capability)	Yes

*Please note that you may select either the multiple laser images (MLI) option or the changeable laser images (CLI) option but not both simultaneously. Only one of these two options is available per single laser engraver configuration.

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SPECIFICATION SHEET