

# HID<sup>®</sup> ELEMENT<sup>™</sup>

## Laser Engraver System

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