# HID® ELEMENT Laser Engraver System

## Specifications

### 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 Capability**: 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 / Server 2008 R2 / Server 2012 R2 / Server 2016

### Card Standards
- **Card Size**: CR-80 only
- **Card Input Capacity (1 Hopper)**: 400 cards (.030" / .762mm)
- **Multiple Input Hopper/Output Stacker Capacity**: Yes, up to 4 input and output modules (for a total capacity of up to 1600 cards)
- **Card Output Capacity (1 Stacker)**: 400 cards (.030" / .762mm)
- **Card Thickness**: .030" (30 mil) / .762mm
- **Card Cleaning Station**: Yes
- **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

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2020-10-19-si-hid-element-le-spec-en     PLT-04914

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