



**HIGH-SECURITY
LASER SYSTEM**

The CLM-50 card laser system is available as a standalone unit for single or dual-sided laser engraving for ID cards. It is ideal for the issuance of government credentials such as national Identification card, border crossing card, and driver license card. The CLM-50 delivers excellent laser engraving capabilities in a compact design, and is optionally available with complex security features such as, MLI/CLI, smart card encoding and various other security features.

All-in-one Design

The CLM-50 covers all laser system requirements through a compact, secure and lockable enclosure suitable for desktop operation.

Secure Operations

As a standard feature, the CLM-50 is equipped with a locking mechanism to protect sensitive materials and deliverables while unattended.

Automated One-Step Process

The CLM-50 is equipped with an automatic flipping unit for dual-side marking, including an automatic card feeder that can accommodate up to 350 cards.

Ruggedized and Industrial-Grade Design

The CLM-50's skeleton and outer frame are made of industrial-grade metal for long term durability and harsh operational environments.

ID Positioning & Quality Control

The camera module is designed to take a high-quality image of the entire card allowing the card to automatically align and lock the laser system onto the X and Y axis of the pre-printed markings on the card, adding an extra layer of security and accuracy.

Specifications

Card Format	ISO/IEC 7810 ID-1
Card Material	Polycarbonate and other laser composites
Automatic Card Dispenser	350 Cards
Smart Card	Contact: ISO/IEC 7816-3 / Contactless: ISO14443
Camera (for XY adjustment)	350dpi (0.7073mm/pixel)
Laser Type	Air Cooling Fiber Laser (10W)
Marking Speed	Up to 250 single sided cards per hour
Marking Side	Both (with Flipper)
Marking Items	Text / Barcode (PDF417, Code 128, etc.) / Image (JPG, BMP with Gray Scale)
MLI	25 deg. Glass Prism (Built-in Option)
CLI	25 deg. Glass Prism (Built-in Option)
Reject Stacker	5 Cards
Output Stacker	100 Cards
Power Supply	AC100-240V, 50/60HZ 350 VA
Operating System	Windows® 7(32/64Bit), Windows® 8, Windows® 10
Interface	USB 2.0, Ethernet LAN
Dimensions	572mm(W) x 515mm(D) x 560mm(H)
Weight	68kg
Environment	RoHS

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