

HIGH SECURITY ISSUANCE SYSTEM

LUX300L

Desktop Laser Engraving Solution



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Advanced Security For Personalization

The LUX300L desktop card laser engraving system meets the highest security requirements of smart cards. It can be used to produce high-security anti-counterfeiting documents such as ID cards, e-driver's licenses, social security cards, health cards , metal card and hybrid metal card.

The product features magnetic stripe encoding, contact IC encoding, contactless IC encoding, and laser engraving module. The laser engraving function enables anti-counterfeiting techniques including portraits, ghost images, microtext, tactile information, and CLI/MLI for anti-counterfeiting.

- **Compatible with Metal, PVC, PETG card**
- **Consumable Free**
- **Single/Dual-Side Personalization**
- **Double-sided CLI/MLI Anti-Counterfeiting**
- **Physical & Electronic Access Control**
- **Ethernet Connection**
- **Customizable Configurations**



Monochrome Image



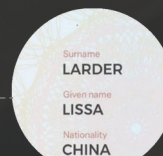
Microtext



CLI / MLI



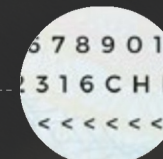
Polycarbonate Card Printing Effects



Personal Info



Embossing



Machine Readable Zone (MRZ)

PRODUCT CONFIGURATION

Standard Equipment	- Card Hopper - Dual-side Laser Engraving Module - Waste Hopper - Card Storage Unit	Optional Equipment	- Magnetic Stripe Encoding; IC Card Encoding (Contact & Contactless) - MLI/CLI - XY Positioning Camera
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SPECIFICATION

Size	400mm x 500mm x 600mm	Operating Temperature	15°C-30°C
Weight	45kg	Operating Humidity	30-70% (non-condensing)
Power	220V, 50Hz, 800W	Supported Card Types	Supports various cards such as PC, PET, PVC, ABS, metal, hybrid metal, etc. that comply with the ISO ID-1/CR-80 standard. (53.98mm x 85.60 mm)
Noise	<50dB		
Laser Power	20W		
Min. Micro-font	0.25mm letter height		
Repeat Precision	±0.01mm	Printing Speed	Standard Configuration ➤ Bitmap: 1.9s/cm²; Chars: 0.28s/10 byte Pro Configuration ➤ Bitmap: 1.0s/cm²; Chars: 0.28s/10 byte 50W Configuration ➤ Bitmap: 0.5s/cm²; Chars: 0.18s/10 byte
QR Code Support	CODE39/EAN standard/ EAN shortencode/CODE128/ EAN128/39 code/ extending39/DataMatrix/ cross25code/upc-A/PDF417	Supported Bitmap Formats	bmp/ jpg/.jpeg
Bar Code Support	QR code/micro QR code/data model	Software Interface Languages	Chinese / English/Arabic Other languages can be customized
Supported Fonts	Various True type Windows system fonts At 600dpi & 2mm height		