LCP-M600(L)

Distributed — Issuance | Laser — Personalization | Retransfer printing — 600dpi | Lamination — Option

Laser engraving, color printing and lamination combined for a secure ID issuance system



Ideal for decentralized issuance of secure citizen IDs, including driver's licenses.

The **LCP-M600** combines high resolution **retransfer printing** with **secure laser engraving** for exceptional security and forgery protection. It delivers highly secure, full color, personalized government issued cards from distributed locations, quickly and easily in a single pass.

It produces a personalized card that features an outstanding 600dpi color image combined with the enhanced security options enabled by laser engraving information into the body of the card.

For the ultimate in security and durability of printed/ engraved cards, the **LCP-M600L** includes a third module - the **laminator** - used inline after the laser engraving process to add holographic or durability-enhancing overlaminates to the card surface.

Standard features

- 600 dpi — Resolution
- Print mode — Dual-sided (standard)
- LX fiber laser — GEN 3
- Laser resolution — 1200dpi
- Ghost Image — Laser engraved
- Dual hopper
- Fonts — Aa — Vector laser / TrueType®
- Ethernet

Optional features

- MSPI™ — Option
- CLI / MLI — Marking
- Encoding — Options
- Printer security — Electronic or manual lock options
- Lamination — Secure overlay
- Lamination speed — 19 seconds
- Custom hologram — Overlaminate
- Secure ribbon — Options

LCP-M600 delivers...

- High performance GEN 3 LX fiber laser
- 600 x 600dpi dual-sided printing
- Able to print invisible UV colors and visible colors simultaneously
- High-definition duplex laser engraving
- High reliability
- Up to 150 cards per hour

Ideal for...

- Secure government ID issuance programs



Card security features

1. MSPI®

Matica Secure Protected Image



The **LCP-M600** enables the use of Matica's proprietary technology, MSPI, in a decentralized issuance environment. MSPI adds an extra security feature when using polycarbonate cards by extracting the black (K) from the color image and adding it as a laser engraved secondary process in perfect register.

2. Ghost Image

A faint, semi-transparent duplicate of the cardholder's photograph laser engraved elsewhere on the card. It is a security feature used to prevent counterfeiting, tampering, or fraudulent duplication of an ID card.



LCP-M600(L)

Printer

Print technology
- Dye sublimation retransfer

Print resolution
- 600dpi color printing

Print area
- 53.98 x 85.6mm / 3.370" x 2.125" (CR-80 cards)

Print speed
- Up to 150 cph

Print mode
- Dual-sided

Printer security
- Support for Kensington® security lock
- Electronic or manual lock options

Certifications
- RoHs, CE, FCC, CQC, UL, WEEE, Proposition 65 (California, USA)

Printer warranty
- 3 years (subject to use of chromXpert ribbons)

Laser

Laser type
- Master Oscillator Power Amplifier (MOPA) GEN 3 LX fiber laser

Resolution
- High-resolution micro laser engraving

Vision camera
- For X-Y marking postion auto correction

Laser security options

Visual Security Elements (VSE)
- CLI/MLI visual security options
- MSPI™ (Matica Secure Protected Image) needs vision option
- Ghost Image
- Tactile effect
- Vision: offset registration
- Vision: MRZ reading

Optical reader options (integration)
- 1D/2D barcode
- Digital camera for OCR recognition

Laser warranty
- 1 year
- Recommended usage time: 8 hours a day

Lamination

Lamination method
- Heated roller

Lamination speed
- 19 seconds

Halogen lamp
- Single: 500W x 1 vertical
- Dual: 500W x 2 vertical

Warm-up time
- 40-50 seconds

Laminator warranty
- 2 years (subject to use of chromXpert laminates)

System options

Magnetic stripe encoding
- ISO 7811 HiCo/LoCo (factory fit in retransfer printer module only)

Smart card / Contactless encoding
- Contact PC/SC, EMV compliant
- Smart contact station: ISO 7816-2
- ISO14443A, B, ISO15693, MIFARE®, DESFire®, HID iClass®

Software specifications

Integration tools
- Orchestra WebService: Integration SW package to connect, simulate, test and develop third party SW
- Orchestra LCP: Laser Color Printer management software including HW interface kit

Software options
- Sinfonia suite - ImageCraft: image tool for image preparation and enhancement
- Sinfonia suite - TrueVista: SW OCR option
- Sinfonia suite - MSPI: Matica Secure Protected Image
- XPressi suite - CI: EMV SmartCard encoding

Card

Input hopper capacity
- Dual 200 card input hoppers on both printer and laser (total 800 card capacity)

Output stacker capacity
- 200 card stacker

Card types
- ISO CR80, PC, PET, PET-F, PET-G, ABS
- Other formats and types on request

Consumables

chromXpert

- To ensure print quality and card durability, printhead lifespan and overall printer reliability, use chromXpert ribbons only.
- Supply cores and cassettes are recyclable. Packaging is recycled.

ChromXpert™ ribbon program
- YMCK
- YMCKK
- YMCKUv
- YMCKSc
- RT Film
- Holographic RT film

ChromXpert™ laminates
- To ensure lamination quality and card durability and overall laminator reliability, use chromXpert laminates only.
- Supply cores and cassettes are recyclable. Packaging is recycled.

Clear laminates	Format
Clear	0.5mil clear patch
Clear	1.0mil clear patch
Clear with chip cutout	0.5mil clear patch
Clear with chip cutout	1.0mil clear patch
Clear	Thin film overlay

Holographic laminates	Format
Standard Holographic	0.6mil patch
Standard Holographic	1.0mil patch
Standard Holographic	Thin film overlay
Standard Holographic	0.6mil patch
Customized	Thin film overlay
Customized	0.6mil patch
Customized	1.0mil patch



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