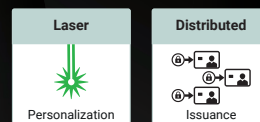


LX PRINTER



An industrial-grade powerhouse in a stunningly compact form



Towering laser performance without the tower.

The **LX PRINTER** delivers **next-generation laser power** with a footprint equivalent to a desktop printer.

This ultra-compact system uses the same proven **state-of-the-art laser** source as Matica's industrial central issuance industrial laser solutions. This makes the LX PRINTER ideal for **decentralized secure ID card issuance**, as part of a wider ID issuance scheme.

Its advanced laser source, combined with a dual module architecture delivers a solution to meet the most demanding issuance of polycarbonate based secure ID cards with embedded security features such as micro-text, tilted image/text and transparent-opaque elements.

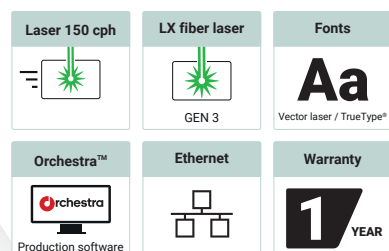
■ LX PRINTER delivers...

- ▶ High performance GEN 3 LX fiber laser
- ▶ Up to 150 cards per hour
- ▶ Security features - including dual-side marking, tilted image, micro text, multiple encoding options
- ▶ Dual card feeder option
- ▶ Vector laser and TrueType® fonts
- ▶ Robust, reliable build quality
- ▶ Can personalize multiple composite plastics
- ▶ 1 year warranty (Extendable +1 year option)

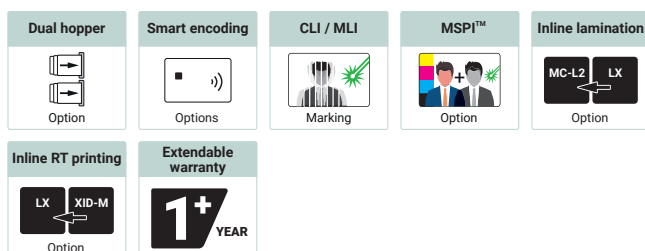
■ Ideal for

- ▶ Low to mid volume distributed issuance as part of a wider issuance scheme
- ▶ National Identification cards
- ▶ Drivers licenses
- ▶ Other government-issued IDs

Standard features



Optional features



LX PRINTER

Printer specifications

Laser type

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

Laser resolution

- 1200 dpi

Laser print area

- 56 x 88 mm over-the-edge (CR-80 cards)

Laser speed

- 150 cph (dual-side, batch)

Laser mode

- Single or dual-sided

Laser operating life

- Minimum of 10,000 hours

Communications interface

- Ethernet

Vision System

- XY Autopositioning, OCR reading, Barcode reading

Printer dimensions (HxWxD)

- 351 x 428 x 279 mm / 13.8" x 16.8" x 11"

Printer Weight

- 19 kg / 42 lb

Standard printer security

- Support for security lock
- Key lock to protect card hoppers cover
- Key lock to protect personalization chamber during card processing and to protect internal reject hopper

Power supply

- 100-240V AC, 50-60Hz, 600W

Operating environment

- Temperature: 15°C to 40°C, 59°F to 104°F
- Humidity: 30% to 70% (non-condensing)

Storage conditions

- Temperature: 5°C to 70°C, 23°F to 158°F
- Humidity: 20% to 70% (non-condensing)

Sound (ISO 7779)

- Sound pressure less than 48dB (A)

Certifications

- RoHS, CE, WEEE, TÜV Laser Certification

Warranty

- 1 year
- + 1 year extension available on request

Card specifications

Input hopper capacity

- Dual hoppers
- Up to 300 cards per hopper (total capacity up to 600 cards*)

Output hopper capacity

- Up to 300 cards*
- Reject hopper (up to 20 cards)

Card thickness

- 0.50 mm - 1.25 mm / 20 mil - 50 mil

Card types

- ISO7816, ISO7810, ISO1443
- Polycarbonate, PET, PEC, ABS, PVC-L

* Dependant on card thickness

Software specifications

Integration tools

- Matica Orchestra
- Web interface for system integrators

Image format

- Multiple image formats including .jpg and .bmp

Options

Smart card / Contactless encoding

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

Card security

- Multiple Laser Image (MLI)
- Changable Laser Image (CLI)

Inline lamination

- Single or dual-sided

Inline color retransfer printing

- XID-M600 printer



Matica Secure Protected Image - MSPI®

The LX PRINTER in combination with the XID-M series retransfer printer 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.



Color information printed with dye sublimation



Greyscale information laser engraved underneath



MSPI image



Global offices

Europe: Switzerland HQ, Italy

Asia: Malaysia

USA: South Carolina HQ, Minneapolis

Middle East: Dubai



Authorized reseller / System integrator

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LX PRINTER Datasheet A4 ENG V8