LX PRINTER

Laser
Personalization

Distributed
Issuance

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

150 cph	LX fiber laser	Fonts
Laser	GEN 3	Aa Vector laser / TrueType®

Orchestra™	Ethernet	Warranty
Orchestra Production software		1 YEAR

Optional features

Dual hopper	Smart encoding	CLI / MLI	MSPI™	Inline lamination
Option	Options	Marking	Option	MC-L2 LX Option

Inline RT printing	Extendable warranty
LX XID-M Option	1+ YEAR

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

MATICA GROUP

Global offices

Europe: Switzerland HQ, Italy

Asia: Malaysia, India

USA: South Carolina HQ, Minneapolis

Middle East: Dubai

Authorized reseller / System integrator

Data subject to change without notice.
All trademarks stated are the property of their respective owners.

maticagroup.com sales@maticagroup.com