DESKTOP LASER
ENGRAVING
SYSTEM

LES8000

MATICA
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the art of card issuance

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DESKTOP LASER ENGRAVING SYSTEM

Matica's advanced technology brings the unprecedented quality and power of industrial laser engraving to the desktop in a stand-alone system. Compact, light (less than 32 kg), scalable and capable of multiple card handling.

In a world that needs protecting more than ever, Matica's LES8000 laser engraving system targets professionals responsible for safeguarding national identity management. Designed to support government departments that manage in-branch or in-bureau card issuance, the LES8000 is the perfect fit for applications such as drivers' licenses, national IDs, visas and vehicle registration cards.

The LES8000 allows parallel processing for maximized throughput: feeder-encoder and/or barcode reading, laser engraving and single or dual lamination. Multiple feeders allow several types of cards to be managed in one production line. The modular system can add up to four Feeder Encoding Modules (FEM), increasing the capacity of card stock from 350 to 1,400 cards without interrupting production. This makes it one of the fastest solutions on the market and a persuasive return on investment.

Service bureaus and national authorities will thank you for the introduction to a fully automated, personalized process but there's more. Compared to a central issuance system, the LES8000 is a very compact, a real desktop solution. Its modularity makes it is easy to swap service for various card jobs allowing new jobs and card types to be added over time. The LES8000 laser module offers additional security options, such as MLI and CLI, tactile and non-tactile engraving.

Amazingly, it's a one-stop-shop thanks to its single wire IP connectivity and embedded PC so it's easy to install and operate – no integration challenges. The solution's own security features include various physical and electronic locks to prevent unauthorized access.

TECHNICAL SPECIFICATIONS

Print method
Laser engraving (source: 6W DPSS Laser)

Print mode
Dual-sided

Print resolution
600 dpi to 1,600 dpi. High quality gray scale for ID pictures

Throughput
120 cph considering average ID card variable information
(assuming mag encoding -5sec.- and smart card encoding -15 sec.- executed in parallel)

Encoding options
Magnetic ISO 3-tracks encoder (up to one unit per FEM) - factory mounted chip contact and contacless dual encoder & contact station, (up to one unit per FEM)
- Mifare/DesFire and ISO 7816
- Open for 3rd party chip encoder integration upon request (USB port)

Card Types
Plastic, Polycarbonate, PVC-L, PVH, ABS, PET, PETix
ISO CR80, ISO 7810 (53,98 x 85,60 mm) (3.370" x 2.125")

Card Hoppers
Feeder Encoding Module (FEM)
- Input hopper: 1 x 350 cards
- Exception feeder: 1 card
- Reject tray: 10 cards
Laser engraving module (LEU)
- Reject tray: 10 cards
Concealed output hopper: 50 cards
Up to 4 FEMs (350 cards each) for a total autonomy of 1,400 cards (Optional)

Connectivity
IP connectivity, single wire through on-board PC

Laser security options
CLI / MLI engraving
Offset registration
MRZ reading
Vacuum system

Other security options
Lamination single / dual side (ILM-LS/ILM-DS)

Optical reader options
1D/2D barcode
Digital camera for OCR recognition

Software
Matica Desktop Suite middleware

Printer dimensions (D x W x H)
432 x 430 x 515 mm (17.00" x 16.93" x 20.28")

Weight
Approx 32 kg (70 lbs)

Warranty
Laser: 24 months

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