

LASER COLOR  
PERSONALIZATION  
SYSTEM

**MATICA**  
TECHNOLOGIES

LCP8000



# The ultimate in desktop ID personalization

The Matica® LCP8000 Laser Color Personalization System is ideal for high security corporate needs, as well as government applications such as national IDs and driver licenses. The advantages of the high resolution XID 600 dpi retransfer color printing and secure laser engraving are integrated in one pass on a single card.

## MODULARITY AND REAL SECURITY

The LCP8000 Laser Color Personalization System is built from three individual components: the XID8600 retransfer module for full color printing in the highest 600 dpi quality, the LEU8000 compact laser engraver, and the Inline Lamination Module (ILM) for over-lamination with clear and secure foils. All modules are equipped with security locks to limit access of consumables to only authorized personnel. In addition, with its innovative assembly, the LCP8000 allows a combination of an unrivaled variety of security features, such as on-demand personalization of data as micro text, CLI and MLI, LPI®, tactile effects, high resolution gradient UV printing, electronic guilloche, making credential forgery and manipulation all but impossible.

The modularity offers individual components to be configured and combined precisely to meet any customer's needs. With a throughput of up to 125 cards per hour (single-sided) printed in full color in combination with laser engraved data, it is one of the fastest desktop laser color personalization systems on the market.

Advanced Intelligent Printer Management allows the production of even more cards due to a parallel workflow: up to ten LCP8000 units can be connected in one cluster, ensuring a highly-available environment due to its capability of redundant production load balancing management.



### APPLICATIONS

- HIGH SECURITY IDS
- NATIONAL IDS
- MILITARY IDS
- DRIVERS LICENCES

- › Optional Security Features
- › High Quality Color Printing
- › Secure Laser Engraving



### BEST-IN-CLASS SOLUTION FOR SECURE ID-CARDS EDISECURE® LCP8000

The innovative Laser Color Personalization System allows for the combination of an unrivaled variety of security features with unsurpassed protection against alteration and reproduction.

Depending on a customer's particular requirements, security features such as on-demand personalization of data as micro text, tactile effects, CLI and MLI, high resolution gradient UV printing, LPI®, electronic guilloche, as well as custom holographic foils for surface protection, can be combined.

Thanks to the modularity of the system, the security feature can be combined flexibly to meet the customer's precise needs.

### STATE-OF-THE-ART COMPACT LASER ENGRAVER EDISECURE® LEU8000

The Laser Engraver Unit allows inline laser personalization of personal data and images penetrating into the card body. With 256 degrees of grey scale and an engraving density from 600 to 1,600 dpi, the laser engraves outstanding B/W tonal scale reproduction.

This means that any attempt to manipulate data automatically results in the destruction of the entire document. In addition, sophisticated security features such as tactile effects, on-demand personalization of data such as micro text, as well as CLI and MLI can be integrated in one step, which increases the level of security and makes the card impossible to counterfeit.

This new compact laser unit benefits from the latest technologies offering easy setup, handling and service combined with very high durability and reliability.

## PRODUCT HIGHLIGHTS

- › The 600 dpi XID retransfer technology features over-the-edge full color printing for either single or double-sided cards with outstanding image quality
- › The new 600 dpi printing engine allows adding printed security features to the cards such as micro-text, UV text and hidden and security graphical elements
- › A compact Laser Engraving Unit allows inline laser personalization of personal data and images on either card side penetrating the card body, adding a higher level of security and data durability
- › Different encoding options such as magnetic stripe and contact or contactless chip technology can be integrated to perform the card personalization in one single pass
- › To maximize card security and durability, the system can be combined with inline lamination modules, offering clear or holographic additional protection to the card
- › All card materials such as PVH, ABS, PET-G, PET/PC, PETix, and Polycarbonate can be personalized

