DESKTOP LASER ENGRAVING SYSTEM

LCP9660

MATICA

LCP9660

LASER COLOR PERSONALIZATION SYSTEM

Built for maximum reliability and security, the LCP9660 laser color personalization system is the ultimate one-pass solution to issue high quality cards for government card issuance programs and corporate applications. Color print, laser engrave, and inline lamination provides higher protection features for card personalization, and it is also the most advanced technology for even the most demanding security needs.

It is the combination of the color print and laser engraver modules that creates the talking points behind the LCP9660. The high-end, MC660 dye-sublimation retransfer printer looks after the full color over-the-edge printing in a superior, real 600 x 600dpi resolution. Once the card lands in the MC-LX, which is a compact desktop laser engraver (based on high performance MOPA technology), it heads to the optional inline lamination module (MC-L) for a fresh layer of clear, holographic or customized laminate.

The full color printing module can achieve visual and forensic features such as microtext and personalized information using ultraviolet inks or variable reflecting inks. Meanwhile, the laser engraver reinforces the levels of security by either creating surface relief for authenticity verification (and at the touch of a finger), or permanently engraving information into the body of the card. The system can also produce multiple visual security elements (VSE) such as multiple laser images (MLI), changeable laser images (CLI), MSPI (Matica Secure Protected Image) and laser protected images which are unsurpassed in the secure protection against forgery.

Once it's turned on, the LCP9660 springs into action, making it immediately available to use because the fiber laser doesn't have to warm up. The surprisingly small amount of maintenance required by the LCP9660 must be one of the greatest customer benefits; all the system needs is a regular lens clean. The new and revolutionary 'scratch-free' TRIPODE (patent-pending) transportation system in the MC-LX laser module allows cards to arrive at their destination fully scratch-safe. There is also an integrated flip-over and vertical adjustment for 'out-of-focus' effects while reduces the number of hardware parts making the activation of options virtually installation-free.

Over the years, knowing how to issue cards that are impossible to counterfeit has become the gold standard dream goal. Governments continue their research into new methods of combatting the fight against forgery, and the LCP9660 laser color personalization system is getting closer to achieving the dream goal. That's thanks to the benefits behind advanced visual security features (through high resolution printing) and the power of engraving technology for the direct personalization into the body of the card.

The Matica LCP9660 laser personalization system is ideal for high-level security corporate needs and government applications such as driver licenses, residence permits, national ID, military and high security IDs.

TECHNICAL SPECIFICATIONS

Print method
Color: Dye-sublimation, retransfer printing
Laser engraving
- Source: Fiber laser, MOPA technology
- Power: 10W

Print mode
Dual-sided.

Print resolution
Color: dye-sublimation: 600 x 600dpi resolution
Laser: 300dpi to 1600dpi. High quality gray scale for ID pictures

Throughput
Approx. 120 cph considering average ID card variable information and laser engraving at 300dpi

Card Types
PC, PVC-L, ABS, PET
ISO CR80, ISO 7810 (53,98 x 85,60 mm) (212.5" x 337.4")

Card Hoppers
Input hopper: 250cards (0.76mm – 30mil thickness / card)
Output hopper: 250 cards (0.76mm – 30mil thickness / card)

Connectivity
USB 2.0

Encoding options
Magnetic stripe encoder ISO7811
Dual-interface contact/contactless smart card encoder

Other Options
Matica MC-L lamination module (single or dual-sided)
Manual lock

Laser security options
Visual Security Elements (VSE)
- CLI / MLI visual security options
- MSPI (Matica Secure Protected Image)
- Tactile effect
Vision: offset registration
Vision: MRZ reading
Vacuum system

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

Software
Laser Layout editor

Dimensions (D x W x H)
Printer module: 436mm x 340mm x 297mm. (17.2" x 13.4" x 11.7")
Laser module: 600mm x 400mm x 800mm. (23.6" x 14.5" x 31.4")

Weight
Printer module: 20kg
Laser module: 30kg

Warranty
Printer module: 3 years
Printhead: Lifetime warranty. Lifetime warranty on printhead [1]
Laser module: 2 years (or 1,000,000 cards, whichever comes first)

(1) Warranty subjected to the use of chromXpert(R) Ribbons

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