

Desktop Card Laser Engraver

By NBS Technologies



NBS LC-400

Our latest innovation is the smart desktop laser engraver, LC series, bringing secure eDocuments to a whole new level. The desktop laser engraver is well suited for decentralized environments where instant issuance of secure smart cards such as national ID cards, Driver's Licenses, Health cards and Bank cards are required.

Our robust, air cooled, smart desktop laser engraver is highly customizable with good quality high laser resolution of up to 600 dpi.



THE LC-SERIES BRINGS SECURE CARDS TO A WHOLE NEW LEVEL

THE LC-400 OFFERS THESE KEY FEATURES AND BENEFITS:



COMPACT AND FLEXIBLE

- Operates on the flexible Windows platform
- Personalization of contactless cards and contact Smart Cards
- Can operate as a stand-alone unit



SECURITY AND ENCODING

- Software locking system with password protection for unauthorized use
- An integrated digital card counter which mitigates unauthorized use of LC-400



EASY-TO-USE

- Programmable CLI/MLI module
- No consumables
- High precision camera system ensures the correct alignment

CONSULTING

SOFTWARE

HARDWARE

SMART CARD MANUFACTURING



Total
Card Solutions

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Printer Specifications

SYSTEM FEATURES

| | |
|---|--|
| CPU: | Intel® Core 2 Duo 1.86 GHz Processor with FSB |
| RAM: | 4 GB DDR3 |
| Flash ROM: | 60 GB 2.5" SSD |
| Operating System: | Windows® XP Embedded SP3 |
| LASER TYPE (Air Cooled Diode Pumped Nd-YAG) | 10W Fiber Laser |
| LASER SPEED | Up to 300 Cards Per Hour |
| LASER PERSONALISATION (dependent on data and image density) | CLI & MLI (programmable) |
| LASER ENGRAVING ALIGNMENT | Camera System: 300 dpi dual camera with 1/3" CMOS Image Sensor |
| CARD SLOT | 2x ID-0 SAM Slots |
| INPUT/OUTPUT CAPACITY | 400 cards |
| RFID FEATURE | (Option) 1x Integrated RFID Module - ISO/IEC 14443 Type A/B (PC/SC compliant coupler) |
| CONTACT CARD FEATURES (Integrated contact-card Module - ISO/IEC 7816) | (Option) 1x Integrated Contact Module - ISO/IEC 7816 (PC/SC compliant coupler) |
| COMMUNICATION INTERFACE | 10/100 Mbit Ethernet, USB 2.0 |
| PHYSICAL CHARACTERISTICS | Dimensions: 26.8" (680mm) D x 23.6" (600mm) W x 22" (557mm) H Weight: 80 kg / 177 lbs |
| MONITOR | 21" external monitor |
| ELECTRICAL REQUIREMENT | Power consumption : 300VA |
| OPERATING ENVIRONMENT | Operating temperature: 15°C to 40°C, Relative humidity: 20% to 80% non-condensing |
| ACCESSORIES | Detachable hopper and stacker (Optional) |
| WARRANTY | 12 months |

Card Specifications

| | |
|---------------------------|---|
| Types | Polycarbonate and laser engravable PVC |
| Maximum print area | 0.100" +/- 0.010" from side edges of card |
| Card width/length | ISO CR-80-ISO 7810: 53.98mm (W) x 85.60mm (L) / 3.375" x 2.125" |
| Card thickness | 0.024" (0.61 mm) to 0.030" (0.76mm) |

It can easily personalize smart cards that are made of Polycarbonate or laser engravable PVC with or without smart chips. Its Class 1 secure marker/engraving system also ensures world-class security by enabling security features such as Changeable Laser Image (CLI) or Multiple Laser Image (MLI), micro text and tactile effect on the secure documents.

The integrated camera system ensures sophisticated vision and positioning by allowing correct alignment of the printed text, images and machine-readable information. Optional features such as RFID or smart card contact modules can be easily added to meet your needs.



Works with SmartSys™ which includes:

- Intuitive User Interface
- Machine Setup
- Job Definition Tools
- Card layout/design tools
- Data Encryption tools
- Audit trail/machine reports
- System Diagnostic tools



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