

Laser Engraving Combined with Retransfer Technology

By NBS Technologies

LC-200 and J1000i

NBS Technologies is pleased to offer a one pass solution for highly secured cards. The combination of laser and retransfer technology creates a versatile and secure solution for National ID, Driving Licenses, etc. The quality of the 600 dpi J1000i reverse transfer printer, plus the LC-200 Desktop Laser Engraver is unsurpassed. This printer is ideally suited for a decentralized environment where the instant issuance of secure cards such as bank cards, health cards, driver licences and national ID cards are required.



LC-200

With features such as both automatic and single card feed as well as no consumable costs for ink or ribbon for printing, the laser engraver is both easy to use and cost effective to meet all your on demand card engraving needs in a secure environment.

Optional J1000i

NBS Technologies J1000i retransfer is an optional feature to the LC-200 providing the highest quality image available today. The J1000i retransfer process uses dye sublimation to print a high-resolution image in reverse directly onto the film base. The printer then thermally transfers the image and film onto the card surface through heat and pressure which thermally bonds it to the card surface creating an image quality that looks more like a sharp glossy photo than an ordinary ID badge. Visit the NBS Technologies website to learn more about this newly added optional enhancement.

THE LC-200 COMBINED WITH THE J1000I RETRANSFER PRINTER BRINGS SECURE CARDS TO A WHOLE NEW LEVEL



COMPACT AND FLEXIBLE

- Small footprint fits easily on the desktop in the office
- Our software user interface complies with industry-standard interfaces world-wide
- Can operate as a stand-alone unit



SECURITY AND ENCODING

- Secure laser engraving ensures world-class card security
- Programmable CLI/MLI module
- Personalization of contactless cards and contact Smart Cards



EASY-TO-USE

- Modular components
- User-friendly, LCD Control Panel
- High durability, low maintenance



LC-200 Printer Specifications

LASER TYPE	Class 1 Laser Product IEC60825-1: 2007 - 1 watt - Air Cooled DPSS YAG
LASER SPEED	Up to 120 Cards Per Hour
LASER PERSONALIZATION (dependent on data and image density)	CLI & MLI (programmable)
INPUT/OUTPUT CAPACITY	Single or optional automatic Card feeder of 250
RFID FEATURE	(Optional) 1x Integrated RFID Module - ISO/IEC 14443 Type A/B (PC/SC compliant coupler)
CONTACT CARD FEATURES (Integrated contact-card Module - ISO/IEC 7816)	(Optional) 1x Integrated Contact Module - ISO/IEC 7816 (PC/SC compliant coupler)
COMMUNICATION INTERFACE	10/100 Mbit Ethernet, USB 2.0
PHYSICAL CHARACTERISTICS	Dimension: 280mm (W) x 408mm (D) x 528mm (H) Weight: 25 kg / 55 lbs
ELECTRICAL REQUIREMENT	100-240 VAC 50-60Hz 300VA
OPERATING ENVIRONMENT	Operating temperature: 15°C to 40°C, Relative humidity: 20% to 80% non-condensing
ACCESSORIES AND OPTIONS	Automatic feeder of 250 cards CLI & MLI engraving Connection Unit to Retransfer Card Printer
WARRANTY	12 month

J1000i Specifications

Print	Method: Dye-sublimation retransfer printing Resolution: 600 dpi Input: R/G/B 256 level Output: Y/M/C/UV 256 level Printing area: Over the edge on CR-80 cards
Speed	Printing speed (single printing: YMCK) - More than 22.5s full color YMCK (160 cph) Printing speed (Double printing: YMCKK) - More than 36s full color YMCKK (100 cph)
Operating Temperature	10°C to 35°C - 20% to 80% humidity
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Power	Power Source Equipment - Input: AC 100V to 240V, Output: DC 224V Power Consumption - Single: 600W, Dual: 600W (DC 24V, AC 220V)
Size	Dimensions w/no hopper/no stacker - 323mm (w) x 214m (L) x 314mm (H) - Weight 9.6kg
Lamination Film	Clear and holographic patch or Clear and holographic varnish Clear or Registered hologram: 1.0 mil; 500 cards/roll
Card width/length	ISO CR-80-ISO 7810: 53.98mm (W) x 85.60mm (L) / 3.375" x 2.125"

Card Specifications

Types	PVC, PET, PC, ABS (except PVC cards need prior confirmation)
Card size	CR-79 & CR-80
Card thickness	0.025 to 1.0mm card
Options	Laminator - Available Encoder - Mag encoder, contact or contactless encoder

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.



Contact our NBS card personalization experts for full details on this and other card personalization products at:

Global Headquarters
10925 Bren Road E
Minneapolis, MN 55343
USA
tel: +1 952.912.9400
fax: +1 952.912.9439
email: info@nbstech.com

B1 Moorfield Point
Slyfield Industrial Park
Guildford, Surrey GU1 1RU
United Kingdom
tel: +44 (0)1483 563200
fax: +44 (0)1483 511189
email: javelin@nbstech.com

20614 Eastleigh Crescent
Langley BC V3A 4C4
Canada
tel: +1 604.530.6012
fax: +1 604.530.9685
email: info@nbstech.com

w: www.nbstech.com
e: info@nbstech.com