

# Retransfer Card Printer

From NBS Technologies

## Javelin® J800i

### EVERYTHING LOOKS BETTER WITH RETRANSFER PRINTING

Colours are vibrant. Images are crisp. Quality is second to none. ID cards printed on the Javelin J800i Card Printer do more than protect your organization — they reflect its pride. The Javelin J800i produces ID cards with the highest image quality available. By printing a reverse image on the underside of retransfer film, then fusing the film to the card surface, the Javelin J800i creates an image quality that looks more like a sharp glossy photo than an ordinary ID badge.

Printing on film instead of directly on the card means that the uneven surface of technology cards doesn't compromise image quality. The Javelin J800i can print up to the edge of smart chip contacts, and over the edge of the card.



Get the Most out of your printer with NBS Card Design and Issuance Software



### HIGH-QUALITY IMAGES WITHOUT THE HIGH PRICE TAG

With the Javelin J800i, the price tag looks as great as the cards it produces. No other card printer delivers high definition images at this price point, making the Javelin J800i feasible for a broad range of organizations.

### RELY ON IT FOR MORE THAN GOOD LOOKS

The Javelin J800i is exceptionally reliable, which means less printer downtime. Because the printhead never comes in contact with card surfaces or debris, it's never damaged in the printing process. In fact, it carries a lifetime warranty.

**Take your card printing higher. Only one card printer offers ultimate image quality and printer reliability, affordably. For every need — from great-looking photo ID cards to multifunctional, high-security applications — the Javelin J800i does the job beautifully.**

### THE JAVELIN® J800i OFFERS THESE KEY FEATURES AND BENEFITS:



Single-sided printer/encoder

Dual-sided printer/encoder



Lamination option and dual-sided printer/encoder



#### COMPACT, FLEXIBLE & EASY-TO-USE

- A modular design makes it easy to upgrade to fit your needs.
- Conveniently fits on the desktop or under the counter
- User-friendly, SmartScreen™ LCD Control Panel
- Over-the-edge on CR-80 cards



#### NETWORK AND ENCODING

- 3-track magnetic stripe encoding (HiCo/LoCo) (option)
- Contact and contactless smart card encoder
- USB 2.0 (high speed) and Ethernet with internal print server

CONSULTING

SOFTWARE

HARDWARE

SMART CARD EQUIPMENT



Total Card Solutions

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## Printer Specifications

<b>Print Mode</b>	Single-side printing (option: dual-side printing)
<b>Print Method</b>	Dye-Sublimation / Resin Thermal Transfer
<b>Resolution</b>	300 dots per inch (11.8 dots per mm) resolution, 16.7 million colours / 256 shades per pixel
<b>Print speed</b>	Batch Mode: <ul style="list-style-type: none"> <li>• 26 seconds per card / 138 cards per hour (YMC with transfer)*</li> <li>• 32 seconds per card / 113 cards per hour (YMCK with transfer)*</li> <li>• 47 seconds per card / 77 cards per hour (YMCKK with transfer)*</li> <li>• 37 seconds per card / 97 cards per hour (YMCK with transfer and dual-sided, simultaneous lamination)*</li> <li>• 55 seconds per card / 65 cards per hour (YMCKK with transfer and dual-sided, simultaneous lamination)*</li> </ul>
<b>Ribbons</b>	<ul style="list-style-type: none"> <li>• Full-colour, YMC*, 750 prints</li> <li>• Full-colour with resin black, YMCK*, 500 prints</li> <li>• Full-colour with two resin black panels, YMCKK*, 500 prints</li> <li>• Full-colour with resin black and inhibitor panels YMCKI*, 500 prints</li> <li>• Full-colour with resin black and heat seal panel for difficult-to-print surfaces, YMCKH*, 500 prints</li> <li>• Full-colour with fluorescing and resin black, YMCFK*, 500 prints</li> <li>• Resin black, K, 3000 prints</li> </ul>
<b>Retransfer Film Options</b>	• Clear (1,500 prints) • Standard Holographic (500 prints) • Custom Holographic, special order (500 prints)
<b>Overlamine Options</b>	<ul style="list-style-type: none"> <li>• Thermal Transfer Overlamine, .25 mil thick, 500 prints</li> <li>• CR-80 patch size laminates (1.0 mil thick)</li> </ul> All overlaminates available in clear, standard holographic design or custom holographic design. 0.6 mil laminates available (special order)
<b>Single Wire USB 2.0 encoding options</b>	<ul style="list-style-type: none"> <li>• ISO Magnetic Stripe Encoding, dual high- and low-coercivity, Tracks 1, 2 and 3</li> <li>• Contactless Smart Card Encoder (iCLASS and MIFARE)</li> <li>• Contact Smart Card Encoder reads from and writes to all ISO7816-1/2/3/4 memory and microprocessor smart cards (T=0, T=1) as well as synchronous cards</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>• Printer – Two years</li> <li>• Printhead – Lifetime; unlimited pass</li> </ul>
<b>Printer interfaces</b>	USB 2.0; internal USB hub to connect peripheral devices; built-in Ethernet (10/100Mbps) RS232 network
<b>Software drivers</b>	Windows® 2000 / XP / Server 2003 / Vista (32 & 64 bit) / 7 (32 & 64 bit); Mac OS X v10.4 / v10.5; and Linux****
<b>System Requirements</b>	x86 based PC or compatible, Windows 2000, Windows XP, Windows 2003, Windows Vista or Windows 7, 500MHz computer with 256MB of RAM or higher, 500MB free hard disk space or higher
<b>Card capacity</b>	Input hopper: 100 cards (.030" / .762mm); Output stacker: 200 cards (.030" / .762mm)
<b>Dimensions</b>	• 11.50"H x 12.25"W x 9.25"D / 292mmH x 313mmW x 235mmD (excluding Dual Side and Lamination Modules)
<b>Weight</b>	• 16 lbs. / 7.3 kg. (excluding Dual Side and Lamination Modules)
<b>Power source</b>	Input: 100V - 240V, 50/60Hz
<b>Memory</b>	RAM: 16MB
<b>Environment</b>	Operating temperature: 65° to 90° F / 18° to 32° C, 20 - 90% RH (non-condensing)
<b>Agency Listings</b>	<ul style="list-style-type: none"> <li>• Safety: UL 60950, CSA C2.2 No 60950, CB report (EN 60950), and CE mark</li> <li>• EMC: FCC Part15 Class A, EN 55022: 1998 Class A, CRC c1374, EN 61000-3-2: 2000, EN 61000-3-2: 1995, EN 55024: 1998, CE mark, and CCC mark</li> </ul>

## Card Specifications

<b>Types</b>	ABS, Laminated PVC, PET, PETG, proximity, smart and mag stripe cards, optical memory cards Note: ABS and PVC cards are not recommended for use in the Lamination Module.***
<b>Maximum print area</b>	Over-the-edge on CR-80 cards
<b>Card width/length</b>	CR-80 (3.370"L x 2.125"W / 85.6mmL x 54mmW)
<b>Card thickness</b>	<ul style="list-style-type: none"> <li>• Print only: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27mm</li> <li>• Print/Lamination: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27mm</li> </ul>
<b>Card Cleaning</b>	Replaceable cleaning roller (included with each print ribbon)
<b>Options</b>	<ul style="list-style-type: none"> <li>• Card Lamination Module – single-sided or dual-sided (simultaneous)*** • Magnetic stripe encoding • 200-card input hopper</li> <li>• Smart card encoding (contact/contactless) • Dual-sided printing • Door and cartridge locks • Printer cleaning kit</li> <li>• Secure Proprietary Consumables System • Custom Secure Holographic Retransfer Film and Overlamine</li> </ul>

\* Indicates the ribbon type and the number of ribbon panels printed where Y=Yellow, M=Magenta, C=Cyan, K=Resin Black, I=Inhibit, F=Fluorescing, H=Heat Seal

\*\* Print speed indicates an approximate print speed and is measured from the time a card drops into the output hopper to the time the next card drops into the output hopper. Print speeds do not include encoding time or the time needed for the PC to process the image. Process time is dependent on the size of the file, the CPU, amount of RAM and the amount of available resources at the time of the print.

\*\*\* ABS and PVC cards are not recommended for use in the Lamination Module.

\*\*\*\* Linux versions: Ubuntu 7.10, Red Hat Enterprise Desktop 5, Fedora Core 7, Fedora Core 8, openSUSE 10.3.



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