



J A V E L I N

desktop card printers

Javelin® J800i Retransfer Printer



Get vibrant, high definition cards from the reliable, affordable Javelin J800i



ADD JAVELIN5™ INTUITIVE CARD DESIGN SOFTWARE
Javelin5 is a multifunctional software application that offers easy and flexible features to manage any card design and printing need. From the back office card production to the low-end personalization solution, Javelin5 offers the easy-to-use solution with total control of your options.



Remote & branch issuance solution
EMV INSTANT ISSUANCE SOFTWARE
Couple your Javelin with Xpressi™ software for an EMV instant card issuance solution that is cost-effective and easy to implement. Supporting multiple EMV configurations, chip types and even printer brands with one system, this solution gives an issuer the flexibility to keep their future expansion and operation options open for change.

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.

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.

Cards produced by retransfer printing are inherently more durable and secure than other types of cards. They resist wear and tear by putting a durable layer of retransfer film between the card image and the outside world. They're also tamper-evident — if a counterfeiter tries to peel apart the layers, the image essentially destroys itself.



Retransfer printing delivers the highest image quality — layered on the highest functioning cards. Retransfer film fuses to the surface of proximity and smart cards, conforming to ridges and indentations formed by embedded electronics.

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.





J A V E L I N

desktop card printers



Javelin® J800i Retransfer Printer

Specifications

Print Method:	Dye-Sublimation / Resin Thermal Transfer
Resolution:	300 dpi (11.8 dots/mm)
Colors:	Up to 16.7 million / 256 shades per pixel
Print Ribbon Options:	<ul style="list-style-type: none"> • Full-color, YMC*, 750 prints • Full-color with resin black, YMCK*, 500 prints • Full-color with two resin black panels, YMCKK*, 500 prints • Full-color with resin black and heat seal panel for difficult-to-print surfaces, YMCKH*, 500 prints • Full-color with fluorescence and resin black, YMCFK*, 500 prints • Resin black, K, 3000 prints
HDP Film Options:	• Clear (1,500 prints) • Standard Holographic (500 prints) • Custom Holographic, special order (500 prints)
Overlamine Options:	<ul style="list-style-type: none"> • Thermal Transfer Overlamine, .25 mil thick, 500 prints • CR-80 patch size laminates (1.0 mil thick) All overlaminates available in clear, standard holographic design or custom holographic design. 0.6 mil laminates available (special order)
Print Speed:**	Batch Mode: <ul style="list-style-type: none"> • 26 seconds per card / 138 cards per hour (YMC with transfer)* • 32 seconds per card / 113 cards per hour (YMCK with transfer)* • 47 seconds per card / 77 cards per hour (YMCKK with transfer)* • 37 seconds per card / 97 cards per hour (YMCK with transfer and dual-sided, simultaneous lamination)* • 55 seconds per card / 65 cards per hour (YMCKK with transfer and dual-sided, simultaneous lamination)*
Accepted Standard Card Sizes:	CR-80 (3.370"L x 2.125"W / 85.6mmL x 54mmW)
Print Area:	Over-the-edge on CR-80 cards
Accepted Card Thickness:	<ul style="list-style-type: none"> • Print only: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27mm • Print/Lamination: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27mm
Accepted Card Types:	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.***
Input Card Cartridge Capacity:	100 cards (.030" / .762mm)
Output Hopper Card Capacity:	200 cards (.030" / .762mm)
Card Cleaning:	Replaceable cleaning roller (included with each print ribbon)
Memory:	16MB RAM
Display:	User-friendly, LCD Control Panel
Software Drivers:	Windows® 2000 / XP / Server 2003 / Vista (32 & 64 bit) / 7 (32 & 64 bit); Mac OS X v10.4 / v10.5; and Linux****
Single Wire USB 2.0 Encoding Options:	<ul style="list-style-type: none"> • ISO Magnetic Stripe Encoding, dual high- and low-coercivity, Tracks 1, 2 and 3 • Contactless Smart Card Encoder (HID iCLASS and MIFARE) • 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
Interface:	USB 2.0 (high speed) and Ethernet with internal print server
System Requirements:	• 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
Operating Temperature:	65° to 90° F / 18° to 32° C
Supply Voltage:	100-240 VAC, 3.3 A
Humidity:	20 - 80% non-condensing
Dimensions:	• 11.50"H x 12.25"W x 9.25"D / 292mmH x 313mmW x 235mmD (excluding Dual Side and Lamination Modules)
Weight:	• 16 lbs. / 7.3 kg. (excluding Dual Side and Lamination Modules)
Agency Listings:	<ul style="list-style-type: none"> • Safety: UL 60950, CSA C2.2 No 60950, CB report (EN 60950), and CE mark • 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
Supply Voltage:	100-240 VAC, 3.8A
Supply Frequency:	50 Hz / 60 Hz
Warranty:	<ul style="list-style-type: none"> • Printer - Two years • Printhead - Lifetime; unlimited pass
Options:	<ul style="list-style-type: none"> • Card Lamination Module - single-sided or dual-sided (simultaneous)*** • Smart card encoding (contact/contactless) • Magnetic stripe encoding • Dual-sided printing • Secure Proprietary Javelin-encoded Consumables • Custom Secure Holographic Film and Overlamine • Printer cleaning kit • Door and cartridge locks



* 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.



Website: www.nbstech.com
Email: javelin@nbstech.com

Corporate Headquarters
Canada
703 Evans Avenue
Toronto, Ontario
M9C 5E9
Canada
tel: +1 416.621.1911
fax: +1 416.621.8875

Contact your nearest NBS location
for more information on Javelin card
printers & consumables:

Europe, Middle East, Africa
B1 Moorfield Point
Slyfield Industrial Park
Guildford, Surrey GU1 1RU
United Kingdom
tel: +44 (0)1483 563200
fax: +44 (0)1483 511189

North / South America
10925 Bren Road E
Minneapolis, MN 55343
USA
tel: +1 416.840.8620
fax: +1 952.912.9439

Asia Pacific
PO Box 780
Hurstville BC
NSW 1481
Australia
tel: +61 (2) 9546 6841
fax: +61 (2) 9546 6851

© Nov 2011 NBS Technologies Inc. Specifications are subject to change without notice. All rights reserved. NBS and the NBS logo are registered trademarks of NBS Technologies Inc. in the United States and Canada and are trademarks in other countries. Javelin and the Javelin logo are registered trademarks of NBS Technologies Limited in the United States and European Union and are trademarks in other countries. All other brand and product names are the trademarks or registered trademarks of their respective holders.