



**J A V E L I N**

desktop card printers

# ZXP Series 8™ Re-Transfer Printer



## *Efficient, high quality re-transfer printing at a direct-to-card speed that is second-to-none*

The ZXP Series 8 printer uses advanced image-processing algorithms to achieve vivid colors and sharp resolution. Combined with the landscape printing mode, the simultaneous dual-sided re-transfer printing process ensures high-quality output at record speed.

In addition, the ZXP8 Series 8 printer includes the ZMotif™ software development kit, enabling easy integration with a range of enterprise applications.

### **Ideal for:**

- ID and access control cards
- Government-issued drivers' licences
- National ID and voter registration cards
- People-tracking in high security areas
- Instant issuance of ATM / credit / smart cards
- Personalised gift, membership and loyalty cards
- Smart cards in travel, gaming and entertainment

**... highest photo  
quality finishing  
that is both  
fast & cost-effective...**

### **Genuine NBS supplies**

Genuine NBS supplies meet stringent quality standards and are tested for optimum performance with NBS card printers.

- Choose NBS for quality plastic cards in a variety of types and materials
- For high-quality prints, rely on NBS ribbons, transfer film and laminates





# ZXP Series 8™ Re-Transfer Printer Technical Specifications



## 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.



## EMV BRANCH ISSUANCE SOFTWARE

Couple your re-transfer printer with Xpressi™ software for an EMV branch 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.

For further detail on any of the above products, please consult the corresponding NBS brochure.



Website: [www.nbstech.com](http://www.nbstech.com)  
Email: [info@nbstech.com](mailto:info@nbstech.com)

## PRINTING METHOD

- Dye sublimation re-transfer
- Full-color or monochrome re-transfer printing
- Single- and double-sided printing
- Max. print speed single-sided: 190 cards/hour
- Max. print speed double-sided: 170 cards/hour
- Photo-quality image
- Over-the-edge printing on standard CR-80 media

NOTE: Print speed based on click to drop, average print coverage with USB connectivity, cards per hour.

## STANDARD FEATURES

- Microsoft® Windows®-certified drivers
- USB and Ethernet-ready (firmware pending\*\*) connectivity
- CardSense™ single-card-feed capability
- 150-card capacity feeder (30 mil/0.762mm)
- 15-card reject hopper (30 mil/0.762mm)
- 100-card output hopper (30 mil/0.762mm)
- i-Series™ intelligent media technology
- Auto-calibration of media
- 21-character, six-line LCD text operator display
- 304dpi (12 dots/mm) print resolution
- 64MB memory as standard
- Lifetime warranty on printhead
- Two-year unlimited warranty on printer

## OPTIONAL FEATURES

- Single- and double-sided laminator\*\*
- Lockable enclosure and card feeder\*\*
- 1GB Ethernet and 802.11b/g wireless connectivity\*\*

## ENCODING OPTIONS & SPECIFICATIONS

- Smart-card contact station – ISO 7816
- Magnetic-stripe encoder – ISO 7811 and JIS-II high and low coercivity
- Combined Mifare® ISO 14443(13.56 MHz) and ISO 7816 contact encoder
- Combined ISO 15693 HID@ iClass® (13.56MHz) and ISO 7816 contact encoder\*\*
- Combined HID Prox reader(125 kHz) and contact encoder\*\*
- UHF Gen 2 RFID encoder\*\*

## COMMUNICATIONS INTERFACE

- USB 2.0
- 10/100 Ethernet-ready

## ELECTRICAL

- Single-phase AC power
- 90–264VAC RMS and 47–63Hz (50–60Hz nominal)

\*\* Available in future release.  
\*\*32-bit and 64-bit-compatible.

### Genuine NBS Supplies

Your choice of card printer supplies is critical. It is a primary factor affecting the reliability and consistency of printing. Genuine NBS supplies meet stringent quality standards and are tested for optimum performance with NBS card printers.

## PHYSICAL

- Height (printer only): 303 mm/11.9"
- Height (with card feeder): 334 mm/13.2"
- Width: 356 mm/14"
- Width (with card feeder): 379 mm/14.9"
- Width (with card feeder, with laminator): 656mm/25.8"
- Depth: 519 mm/20.4"
- Weight (printer only): 12.5kg/27.5lb

## ENVIRONMENTAL

- Operating temperature\*: 15°C /59°F to 25°C/77°F
- Storage temperature: -5°C/23°F to 55°C/131°F
- Operating humidity: 20% to 80% inclusive, non-condensing
- Storage humidity: 10% to 90% inclusive, non-condensing
- Shipping temperature: -40°C/40°F to 60°C/140°F
- Shipping humidity: 10% to 90% inclusive, non-condensing
- Media should not be above 60°C/140°F for longer than 200 hours, nor above 90% relative humidity at 40°C/104°F for longer than 100 hours

## ZMOTIF SOFTWARE

ZMotif software Microsoft Windows-certified printer drivers supported: Windows XP\*\*\*, Windows Vista\*\*\*, Windows Server® 2003\*\*\*

### Driver features

- Graphical card orientation setting to visualise card printing setup and configuration
- Card source selection
- Card type selection
- Complete graphical control over area and element selection of black extraction parameters ensures true black and color printing
- Auto-sensing of ribbon type, laminator and smart-card encoding options

### Toolbox utility features

- Printer configuration tools and utilities for complete control over all printer functions and features
  - Optional password-protection settings and user role-based security settings prevent accidental or unauthorised driver or printer configuration changes
  - Complete technology card management enables setup and testing of all printer and encoder features and functionality
  - Printer test cards and diagnostics utilities ensure error-free printing and fast troubleshooting capabilities
- ### XML-based SDK
- XML-based SDK enables third parties to quickly add advanced print and encoding features to the ZXP printer
  - Capabilities include direct access to PC/SC smart card encoder driver and XML-based job control print job specifications

## CARD SPECIFICATIONS

- Card thickness: 30–40 mil (0.762–1.016mm)
- Card size: ISO 7810 format, Type ID-1, CR-80 size
- Card material: PVC and composite, ABS cards, PET, PET-G, Teslin® composite and polycarbonate (30–40 mil, 0.762–1.016mm)
- Speciality cards: transparent (IR-blocked) or translucent card 30 mil/0.762mm (clear and colored)
- Technology cards: contact and contactless smart cards, UHF cards

## SUPPLIES SPECIFICATIONS

- i Series intelligent technology uses RFID tags to authenticate and automate color ribbons, transfer film and laminate
- Media starter kit – 1 YMCK ribbon, 1 roll of transfer film, 200 PVC cards, cleaning rolls (2 per ribbon)
- Cleaning supplies

### TrueColours® ribbon

- YMCK four-panel color with resin black: 625 cards/roll
- YMC three-panel color: 825 cards/roll\*\*
- YMCKK five-panel color: 500 cards/roll
- Monochrome (black, gold, silver): 2500 cards/roll\*\*
- MCUvK five-panel color: 500 cards/roll\*\*

### TrueColours transfer film

- Clear: 1250 cards/roll
- Holographic: 1250 cards/roll\*\*

### TrueSecure™ laminate

- Linerless and waste-free 1.0 mil (0.0254mm) laminate: 625 cards/roll
- Laminate types: clear full coverage, clear for magnetic-stripe cards\*\*, clear for contact smart cards\*\*
- Custom laminates available with holographic images and UV images\*\*



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