

# Javelin<sup>®</sup> Secure *Color card printers*

# Secure

## *Dual-sided color card printers for high-quality, durable, secure cards*

If you need to print high-quality, edge-to-edge graphics on smart cards, or laminate clear or high-security holographic foil over top security ID cards, NBS has a range of high-tech, high-security color card printers for you.

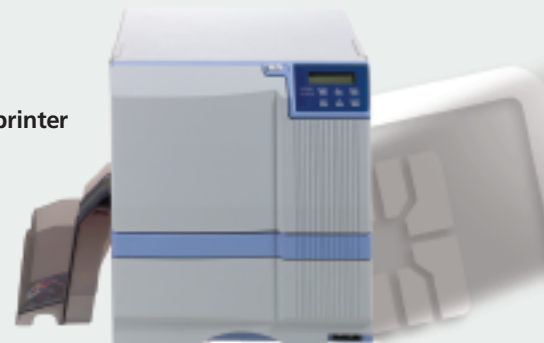
The ultra-fast, **Javelin Secure CX210** is designed to personalize high-quality, full-bleed, full-color magnetic stripe, contact, and contactless smart cards manufactured using a range of different materials. The CX210 has a user friendly LCD panel that displays machine status. For high-security applications, this printer can be used with an optional inline single- or dual-sided card laminator. The unique retransfer process ensures that uneven surfaces are covered without a blemish.

Perfect for highly secure instant issuance or batch production, the **Javelin J520 and J720** personalize highly secure, inline, single- or dual-sided laminated cards with standard and custom holograms. These security features increase card life and durability and prevent counterfeiting, alteration, and fraudulent duplication. Producing high-quality, full-bleed, full-color cards, these printers are flexible enough to meet your specific requirements—with magnetic stripe, contact, and contactless smart card encoding options. They come with a wide range of color and monochrome ribbons.

The J520 delivers dual-sided, full-color printing and either 0.6 or 1 mil lamination on the card face. The J720's wasteless and linerless lamination system simultaneously laminates the front and back of each card in one pass.

Designed with a unique flip-over feature for quick and easy dual-sided card printing, both the J520 and J720 printers feature a rugged metal enclosure with viewing window, a user friendly LCD panel that displays machine status, and a highly reliable, field-proven print engine.

CX210 printer



**...perfect for highly secure instant issuance or batch production...**



720 printer



520 printer

# Javelin® Secure *Technical details*

## FEATURES:

- Built-in flipover unit
- Large input and output hoppers
- Wide range of applicable card thicknesses
- Dual-coercivity magnetic stripe encoding – optional
- Contact smart card encoding – optional
- Contactless card encoding – optional

## CX210 retransfer printer

### SPECIFICATIONS:

- Printing method: dye sublimation re-transfer
- Resolution: 300 dpi
- Printable area: full bleed
- Standard ink ribbon: YMCK OP/Intermediate transfer films; 1000 sides per set
- Interface: SCSI - II
- Print speed: 29 seconds/card
- Operating environment:
  - Temp: 15 - 30°C
  - Relative humidity 35 - 70%
- Hopper capacity: 300 cards (0.76mm thick)
- Stacker capacity: 100 cards (0.76mm thick)
- Signal level: 256 levels/color
- Dimensions: 343 mm (W) x 339 mm (D) x 381 mm (H)
- Weight: 21.5 kg

### CARD SPECIFICATIONS:

- PVC and other plastic materials
- Size: 54mm (W) x 85.6mm (L), wide range of applicable card thickness

## Javelin™ J520 & J720 printers

### GENERAL SPECIFICATIONS:

- High-speed printer with built-in laminator (single-pass, wasteless, dual-sided laminator on J720)
  - YMCK & 1.0 mil lamination: 125 cards/hour
  - YMCK & 1.0 mil lamination: 110 cards/hour
  - YMCK-K & 1.0 mil lamination: 95 cards/hour (120 cards/hour dual-sided lamination on J720)
- Dual-process system (while one card prints, second card is laminated)
- Dual-sided printing with flip-over capability
- Card cooling system produces true ISO flatness of laminated cards
- Card feeder capacity (30 mil cards): J520 – 100 cards; J720 – 200 cards

- Metal enclosure with transparent viewing window
- Two-line, 32-digit interactive menu-driven control panel
- Encoded card reject hopper
- Windows® drivers for 95/98, NT, 2000 and XP (bi-directional communication)
- Centronics parallel and USB interface (standard)
- One year printer warranty
- One year (unlimited passes) printhead warranty
- Powerful printer command language

### COLOR PRINTING & LAMINATION:

- Color dye sublimation or monochrome thermal transfer printing
- 300 dpi (12 dots/mm) print resolution
- J720: Enhanced fourth generation laminator with auto laminate synchronization

### BARCODES:

- Code 39, Code 128 B & C with & without check digit
- 2 of 5 & Interleaved 2 of 5
- UPC-A, EAN-8, & EAN-13
- PDF-417 2D barcode and other symbols available via Windows driver and application software

### FONTS:

- Resident: Arial Normal 22, Arial Bold 28
- True Type fonts available via Windows driver

### CARD SPECIFICATIONS:

- Types: PVC, composite (uses 30 mil composite cards when laminating)
- Card width/length: ISO CR-80, 2.125" (54mm) x 3.385" (86mm)
- Card thickness: 30mil (0.76mm)

### RIBBON SPECIFICATIONS:

- Monochrome: 1000 or 1500 cards/roll
- Monochrome colors: black, red, blue, green, silver, gold, white
- K resin O: 500 cards/roll
- K dye O: 500 cards/roll
- YMC: 300 cards/roll
- YMCK: 250 cards/roll
- YMCKO: 200 or 350 cards/roll
- YMCKK: 200 cards/roll
- YMCKOK: 170 cards/roll

*All specifications subject to change without notice.*

### OVERLAMINATE SPECIFICATIONS

#### J520:

- 0.6 or 1.0 mil clear overlamine: 170 (0.6 mil) & 100 (1.0 mil) cards/roll
- 1.0 mil clear overlamine for smart cards and magnetic stripe cards: 100 cards/roll
- 1.0 mil overlamine with standard or custom hologram: 100 cards/roll
- 1.0 mil clear overlamine (alternate full & mag stripe versions) 50 cards/roll

#### J720:

- Linerless/wasteless laminate (1.0 mil)
- Upper/lower laminate cassettes: 800 cards
- Clear and holographic laminates available:
  - Full card coverage
  - For smart cards and magnetic stripe cards
  - Matt coverage for signature panels
  - Standard and custom holograms

### COMMUNICATIONS INTERFACE:

- Centronics parallel standard (parallel cable included)
- USB standard (USB cable not included)
- RS 232 serial port (optional)

### MECHANICAL:

	J520:	J720:
• Width:	805mm	835mm
• Depth:	235mm	277mm
• Height:	265mm	314mm
• Weight:	21.45kg	28kg

### ELECTRICAL:

- 100-250V, 50/60Hz
- FCC Class A, CE, UL, and CUL approved

### ENVIRONMENTAL:

- Operating temperature: 60°F to 86°F (15°C to 30°C)
- Operating humidity: 20% to 65% non-condensing
- Storage temperature: -23°F to 158°F (-5°C to 70°C)
- Storage humidity: 20% to 70% non-condensing
- Ventilation: Free air

### OPTIONS:

- Smart card encoding
- Contactless (Mifare) smart card encoding
- Dual-coercivity magnetic stripe encoding (top or bottom side)
- Cleaning supplies



## NBS—the leader in card personalization solutions

Founded in 1974, NBS Technologies is a leader in card personalization solutions. When you buy from NBS, count on getting the most personalized and valuable solution possible. Our team has the answer— whatever your unique card personalization needs.

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