

# High-Speed Dual-Sided Smart Card Printer with Elevator

By NBS Technologies

## ImageMaster™ E-40

Desktop Production Printer  
with 10 station  
Smart Card Elevator



## HIGH-SPEED DUAL-SIDED SMART CARD PRINTER WITH FEATURES & PERFORMANCE THAT PERFORMS WELL IN THE MOST DEMANDING ENVIRONMENTS

### THE IMAGEMASTER™ E-40 OFFERS THESE KEY FEATURES AND BENEFITS:



#### COMPACT AND FLEXIBLE

- Delivers fast monochrome printing: up to 4000 cph single-sided & 1500 cph dual-sided
- Programmable card cleaning to help maintain quality
- Can operate as a stand-alone unit with keyboard



#### NETWORK AND ENCODING

- **Up to 10 Contact stations, up to 5 of which can also support Contactless Smart Card**
- Supports Ethernet and Serial connectivity
- Options for magnetic encoding Contact, Contactless or both



#### EASY-TO-USE

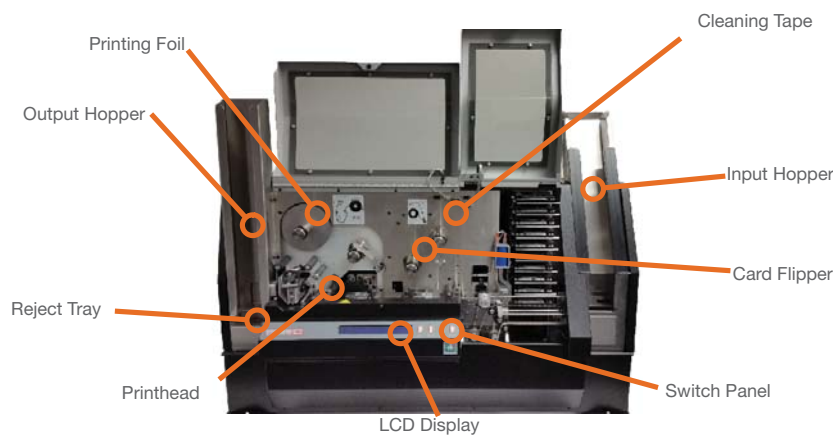
- 500 card input hopper & output stacker
- LCD screen displays printer status and diagnostics
- Easy to change ribbon and thermal print head
- Clear card support is standard
- Works in line with our **NBS-1500 Mailing System**

## Printer Specifications

<b>Single/Dual-sided</b>	Fast, monochrome printing single-sided and double-sided printing
<b>Print method</b>	Thermal transfer (mono)
<b>Card encoding options</b>	Magnetic encoding: 3 track, Dual Coercivity, ISO 7811, Bit to Bit (binary); JISA, JISC and JISA/ISO in single pass
<b>Smart Card Elevator Options</b>	Configurable up to 10 Contact smart card stations, up to 5 of which can also support contactless personalization (Contact Station: ISO 7816 Part 1-3 T=0, T=1, Class A&B (5V and 3V) compliant, (Contactless: ISO14443 Part 1-4 A/B Mifare Classic/Desire/ICAO T=CL up to 848kbps and Felica
<b>Warranty</b>	12 month
<b>Printer interfaces</b>	Two-line, 40-character LCD Keyboard for manual data entry, RS-232C Serial 9 Pin; Ethernet 10/100bT, TCP/IP printing using LPR/LPD or Raw socket
<b>Software drivers</b>	Supports online printing from a variety of host computers including PC running Microsoft Windows 7, 8, 10, and AS-400  Supports both internally generated layouts using ASCII text fields from host computer, or full Microsoft Windows® compatibility with Windows 7, 8, and 10.  Supported by NBS SmartSys™ Tabletop batch issuance software, a user-friendly, Windows card design and production application, ideal for batch issuance.
<b>Fonts/Images</b>	300 dots per inch (11.8 dots per mm) resolution. Full range of monochrome color ribbons (full and half widths) available. Shipped with Swiss Regular: 6, 8, 10, 14, 18, 24 pt, Swiss Italics: 6, 8, 10, 14 pt, OCRA: 10, 12 pt, Dutch Bold: 6, 8, 10, 18, 24 pt, Any True-Type font can be downloaded from Microsoft Windows to support customized fonts  PC Dash Board software for use in downloading additional fonts and images also used for flash loading of firmware for easy updates. It also can be used to back the machine settings.
<b>Barcodes</b>	EAN 13 & 8, UPC-A, Code 39, Codabar, Code 128, Code 12 of 5. When utilizing Smartsys you can also produce QR codes & PDF417
<b>Card capacity</b>	500 input hopper and output stacker, 25 - reject tray, Two production counters, one re-settable  In-line mailer interface option is available
<b>Weight</b>	118lbs (53.5kgs)
<b>Power source</b>	110-230 Volts, 50-60 Hz FCC Class B, CE, ETL and ROHS compliant
<b>Dimensions</b>	14.5" (368mm) D x 24" (610mm) W x 35.75" (908mm) H
<b>Environment</b>	Operating temperature: 15°C to 30°C, Relative humidity: 20% to 65% non-condensing, Storage temperature: -5°C to 70°C, Storage humidity: 20% to 70% non-condensing, Ventilation: Free air
<b>Monochrome Print speed</b>	Single-sided: Up to 4000 cards per hour, Dual-sided: Up to 1500 cards per hour
<b>Maintenance</b>	Automatic card cleaning mechanism with user configurable cleaning

## Card Specifications

<b>Types</b>	PVC & composite PVC - including breakaway and key cards
<b>Maximum print area</b>	0.100" +/- 0.010" from side edges of card
<b>Card width/length</b>	ISO CR-80-ISO 7810: 53.98mm (W) x 85.60mm (L) / 3.375" x 2.125"
<b>Card thickness</b>	0.024" (0.61 mm) to 0.030" (0.76mm) , (Optional)Thin card kit for 0.015" (0.38mm) and 0.020" (0.51 mm) cards



The ImageMaster E-40 works in line with our NBS-1500 Mailing System to create a **low-cost issuance & fulfilment system.**



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

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