

## ImageMaster D-40



### *High-Speed Single or Dual-Sided Plastic Card Printer with features & performance that meet even the most demanding environments.*

The ImageMaster D-40 is NBS's latest addition to the highly successful ImageMaster product line. The D-40 offers high speed dual-sided printing with parallel card processing capability, in a configuration that is geared for high volume card printing. The D-40 is the fastest dual-sided high-quality printer on the market today and is capable of producing cards at speeds of up to 4000 cards per hour (cph) single-side and 1500 cph dual-sided.

The ImageMaster D-40 monochrome thermal printer allows you to personalize cards for customers, clients and employees, with unmatched speed and reliability. The D-40 is designed to produce large volumes of cards very cost effectively with unsurpassed reliability. It is ideally suited for any high volume monochrome card printing applications. ImageMaster D-40 printer includes many unique features and capabilities. It includes 500 card capacity input and output hoppers. The large capacity hoppers allow an operator to keep pace with demands of a number of machines. This coupled with large capacity printer ribbon (12,000 cards per rolls with 3 inches (7.62cm) of printing) reduces the amount of operator intervention per shift. The parallel card process capability allows for one card to be magnetic stripe encoded while another card is being printed thus maximizing throughput. The integrated card flip mechanism and cleaning system is simple yet highly effective.

The D-40 also includes many of the well proven ImageMaster cost-saving features such as the ability to automatically use the minimum amount of ribbon needed to personalize a card. It is also compatible with a variety of card thicknesses and types such as standard support for clear cards as well as optional features such as magnetic stripe encoding and smart cards (both contact and contactless). A full range of different color ribbons are supplied by NBS.

ImageMaster D-40 printers support IP/Ethernet connectivity. By eliminating the need for print servers and interface boxes, the printers provide an extremely low cost of ownership. The D-40 is supported by NBS latest generation of machine control software SmartSys™ Tabletop, that is ideal for large batch issuance. It comes with a keyboard for use in a stand-alone mode with a Windows® XP printer driver.

**... speed & quality  
for a price  
that fits ...**

#### FEATURES

- Delivers fast monochrome printing - up to 4000 cph single-sided and 1500 cph dual-sided
- Automatic card cleaning to help maintain quality
- Operates as a stand-alone unit with keyboard
- Supports IP and Ethernet connectivity
- 500-card auto-feed input hopper & auto-unload stacker
- Options for magnetic encoding & smart card personalization
- Clear card support is standard



# ImageMaster™ D-40

## Technical Details

### GENERAL SPECIFICATIONS

- Fast, monochrome printing—up to 4000 single-sided, up to 1500 dual-sided cards per hour depending on card layout
- 300 dots per inch (11.8 dots per mm) resolution
- Supports both internally generated layouts using ASCII text fields from host computer, or full Microsoft Windows® compatibility with Windows XP and Windows 2000 drivers
- Keyboard for manual data entry
- Supported by NBS SmartSys™ Tabletop machine control software, a user-friendly, Windows card design and production application, ideal for batch issuance
- Two-line, 40-character LCD
- Password protection in operator and supervisor modes
- Auto-feed input hopper (500-card capacity)
- Auto-unload stacker (500-card capacity)
- Two production counters, one re-settable
- Automatic card cleaning mechanism with user configurable cleaning interval
- Reject tray (25 card capacity)
- Host computer communication interfaces:  
RS-232C Serial 9 Pin; Ethernet 10/100bT
- TCP/IP printing using LPR/LPD or Raw socket
- Supports online printing from a variety of host computers including PC running Microsoft Windows XP, AS-400, and Linux/Unix systems
- Generates the following bar codes in layout mode:
  - > EAN 13 & 8, UPC-A, Code 39, Codabar, Code 128, Code 1 2 of 5
- Shipped with the following default fonts for layout mode:
  - > 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.
- Full range of monochrome color ribbons (full and half widths) available
- RoHS Compliant

### OPTIONAL FEATURES

- SmartSys™ Tabletop machine software control design especially for NBS desktop card printers
- Magnetic encoding: 3 track, Dual Coercivity, ISO 7811, Bit to Bit (binary)
- Smart Card ISO 7816 personalization
- Thin card kit for 0.015" (0.38mm) and 0.020" (0.51 mm) cards
- Contactless (RF) Mifare card

### CARD SPECIFICATIONS

- Types: PVC & composite PVC - including breakaway and key cards
- Maximum print area: 0.100" +/- 0.010" from side edges of card; 0.100" +/- 0.015" from top and bottom edges of card
- Card width/length: ISO 7810 (CR-80) 2.125" (54 mm) x 3.375" (86 mm)
- Card thickness: 0.024" (0.61 mm) to 0.030" (0.76mm)
- Thin card kit for 0.015" (0.38mm) and 0.020" (0.51 mm) cards

### PHYSICAL DIMENSIONS

- Depth: 16" (407mm)
- Width: 24" (610mm)
- Height: 23" (585mm)
- Weight: 70 lbs (31.8kg)

### ELECTRICAL

- Power requirements: 110-230 Volts, 50-60 Hz
- FCC Class B, CE and ETL approved

### ENVIRONMENTAL

- 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



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