

## ImageMaster D-40

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

The 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 1200 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.

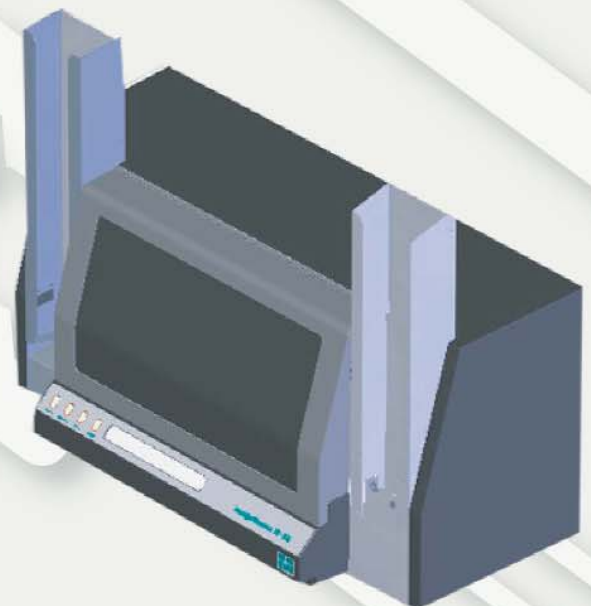
ImageMaster D-40 printer includes many unique features and capabilities. It includes 500 card capacity input and output hoppers. The large capacity hoppers allow an operator to keep pace with demands of a number of machines. This coupled with large capacity printer ribbon (12,000 cards per rolls with 3 inches (7.62cm) of printing) reduces the amount of operator intervention per shift. The parallel card process capability allows for one card to have it magnetic stripe encoded while another cards is being printed thus maximizing throughput. The integrated card flipmechanism and cleaning system is simple but 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 colour ribbons are supplied by NBS.

ImageMaster D-40 printers support IP and Eth-ernet 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™ 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.

### FEATURES

- *Delivers fast monochrome printing - up to 4000 cph single-sided and 1200 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*

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



\*\*Artist's concept drawing. Actual machine may not be exactly as shown.

# ImageMaster™ D-40 Technical Details

## GENERAL SPECIFICATIONS

- Fast, monochrome printing—up to 4000 single-sided, up to 1200 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 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 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.
- Ability to run the machine via telnet to allow for remote trouble-shooting and machine configuration
- Full range of monochrome colour ribbons (full and half widths) available
- RoHS Compliant

## OPTIONAL FEATURES

- Magnetic encoding: 3 track, Dual Coercivity, ISO 7811, Bit to Bit (binary), Bally's
- Smart Card ISO 7816 personalization
- Thin card kit for 0.015" (0.38mm) and 0.020" (0.51 mm) cards

## 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)

## PHYSICAL DIMENSIONS

- Depth: 16.0" (407 mm)
- Width: 24.0" (610mm)
- Height: 23" (585m)
- Weight: 70 lbs (23.6 kg)

## 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

NBS Card Printers have been tested to ensure that they meet Microsoft® standards for Windows® compatibility. Microsoft, Windows, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.



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