

DTC 5000 Card Printer/Encoder Specification Details

Printer Specifications

- HDP Dye-sublimation/Resin Thermal Transfer.
- Resolution – 300 dpi (11.8 dots/mm).
- Colors – up to 16.7 million/256 shades per pixel.
- Print area – Edge to edge for CR-80.
- Input card cartridge capacity - 100 cards.
- Output hopper card capacity – 200 cards.
- Card cleaning – replaceable cleaning roller (included with each print ribbon).
- 16 MB RAM.
- Windows 2000/XP/Server 2003/Vista (32 bit); MAC OS X v10.4; Linux.
- Warranty – printer: 2 years; optional Extended Warranty Program; printhead – lifetime, unlimited pass.
- FARGO Workbench Diagnosis Utility.
- Display – User friendly, SmartScreen LCD control panel.

Ribbons

- Full color, YMC, 750 prints.
- Full color with resin black, YMCK, 500 prints.
- Full color with two resin black panels, YMCKK, 500 prints.
- Full color with resin black and heat seal panel for difficult to print surfaces, YMCKH, 500 prints.
- Full color with resin black and inhibit panel for signature or other non-printing areas, YMCKI, 500 prints.
- Resin black, K, 3000 prints.

HDP Film Options

- Clear – 1500 prints.
- Standard holographic – 500 prints.
- Custom holographic, special order – 500 prints.

Overlamine Options

- Thermal Transfer Overlamine, .25mil thick, 500 prints.
- PolyGuard Overlamine, 1.0mil and .6mil thick, 250 prints (PolyGuard available in a CR-80 patch size).
- All overlamines available in clear, standard holographic design or custom holographic design.

Print Speed

- 26 seconds per card/138 cards per hour (YMC with transfer).
- 32 seconds per card/113 cards per hour (YMCK with transfer).
- 47 seconds per card/77 cards per hour (YMCKK with transfer).
- 37 seconds per card/97 cards per hour (YMCK with transfer and dual-sided, simultaneous lamination).
- 55 seconds per card/65 cards per hours (YMCKK with transfer and dual-sided simultaneous lamination).

Operating Characteristics

- Operating temperature - 65° F (18° C) to 90° F (32° C).
- Humidity – 20% to 80% non-condensing.
- Supply Voltage – 100-240 VAC, 3.3A
- Supply Frequency – 50 Hz/ 60 Hz.
- Size –
 - HDP5000 – width: 12.25” (313 mm), height: 11.50” (292 mm), depth: 9.25” (235 mm) and weight: 16 pounds (7.3kg).
 - Dual Sided Module - width: 17.50” (445 mm), height: 11.50” (292 mm), depth: 9.25” (235 mm) and weight: 22.0 pounds (10 kg);
 - Single Sided Laminator Module – width: 25” (635 mm), height: 12.75” (324 mm), depth: 9.25” (235 mm) and weight: 28 pounds (12.7 kg);
 - Dual Sided Module and Dual Sided Laminator Module – width: 30” (762mm), height: 12.75” (324mm), depth: 9.25” (235 mm) and weight: 36 pounds (16.4 kg).

Card Encoding Options

- Contactless Smart Card Encoder (HID iClass and MIFARE).
- Prox Card Reader (HID read-only).
- Contact Smart Card Encoder reads from and writes to all ISO7816 1/2/3/4 memory and microprocessor smart cards, as well as synchronous cards.
- ISO Magnetic Stripe Encoding, dual high and low coercivity, Tracks 1, 2 and 3.

Other Options

- Card lamination module – single sided or dual sided.
- Magnetic stripe encoding.

- 200 card input hopper.
- Smart Card encoding modules (contact/contactless).
- Dual sided printing.
- Printer cleaning kit.
- Door and cartridge locks.

Communication and Interface Capabilities

- USB 2.0.
- Ethernet with internal print server.

System Requirements

- X86 based PC or compatible, Windows 2000, Windows XP, Windows 2003, or Windows Vista.
- 500 MHz computer with 256MB of RAM or higher, 500 MB free hard disk space or higher.

Card Types & Sizes

- CR-80 size.
- Card thickness – Print and Print/Lamination - .030" (30mil) to .050" (50mil) / .762mm to 1.27mm.
- ABS, Laminated PVC, PET, PETG, proximity, smart and mag stripe cards, optical memory cards (note: ABS and PVC cards are not recommended for use in the HDP5000 lamination module).