

# HDP5000

HIGH DEFINITION PRINTER/ENCODER



## Specifications Overview

<b>Print Method:</b>	HDP Dye-Sublimation / Resin Thermal Transfer
<b>Resolution:</b>	300 dpi (11.8 dots/mm)
<b>Colors:</b>	Up to 16.7 million / 256 shades per pixel
<b>Print Ribbon Options:</b>	<ul style="list-style-type: none"> <li>• Full-color, YMC*, 750 prints</li> <li>• Full-color with resin black, YMCK*, 500 prints</li> <li>• Full-color with two resin black panels, YMCKK*, 500 prints</li> <li>• Full-color with resin black and heat seal panel for difficult-to-print surfaces, YMCKH*, 500 prints</li> </ul>
<b>HDP Film Options:</b>	<ul style="list-style-type: none"> <li>• Clear (1,500 prints)</li> <li>• Standard Holographic (500 prints)</li> <li>• Custom Holographic, special order (500 prints)</li> </ul>
<b>Overlamine Options:</b>	<ul style="list-style-type: none"> <li>• Thermal Transfer Overlamine, .25 mil thick, 500 prints</li> <li>• PolyGuard® Overlamine, 1.0 mil and .6 mil thick, 250 prints (PolyGuard available in a CR-80 patch size)</li> </ul> <p>All overlaminates available in clear, standard holographic design or custom holographic design</p>
<b>Print Speed:**</b>	<p>Batch Mode:</p> <ul style="list-style-type: none"> <li>• 38 seconds per card / 95 cards per hour (YMC with transfer)*</li> <li>• 46 seconds per card / 78 cards per hour (YMCK with transfer)*</li> <li>• 70 seconds per card / 51 cards per hour (YMCKK with transfer)*</li> <li>• 50 seconds per card / 72 cards per hour (YMCK with transfer and dual-sided, simultaneous lamination)*</li> <li>• 75 seconds per card / 48 cards per hour (YMCKK with transfer and dual-sided, simultaneous lamination)*</li> </ul>
<b>Accepted Standard Card Sizes:</b>	CR-80 (3.370"L x 2.125"W / 85.6mmL x 54mmW)
<b>Print Area:</b>	Over-the-edge on CR-80 cards
<b>Accepted Card Thickness:</b>	<ul style="list-style-type: none"> <li>• Print only: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27mm</li> <li>• Print/Lamination: .030" (30 mil) to .040" (40 mil) / .762mm to 1.02mm</li> </ul>
<b>Accepted Card Types:</b>	ABS, PVC, PET, PETG, proximity, smart and mag stripe cards, optical memory cards
<b>Input Card Cartridge Capacity:</b>	100 cards (.030" / .762mm)
<b>Output Hopper Card Capacity:</b>	200 cards (.030" / .762mm)
<b>Card Cleaning:</b>	Replaceable cleaning roller (included with each print ribbon)
<b>Memory:</b>	16MB RAM
<b>Display:</b>	User-friendly, SmartScreen™ LCD Control Panel
<b>Software Drivers:</b>	Windows® 2000 / XP / Server 2003 / Vista
<b>Single Wire USB 2.0 Encoding Options:</b>	<ul style="list-style-type: none"> <li>• ISO Magnetic Stripe Encoding, dual high- and low-coercivity, Tracks 1, 2 and 3</li> <li>• Contactless Smart Card Encoder (HID iClass and MIFARE)</li> <li>• Contact Smart Card Encoder reads from and writes to all ISO7816-1/2/3/4 memory and microprocessor smart cards (T=0, T=1) as well as synchronous cards</li> <li>• Prox Card Reader (HID read-only)</li> </ul>
<b>Interface:</b>	USB 2.0 (high speed) and Ethernet with internal print server
<b>System Requirements:</b>	<ul style="list-style-type: none"> <li>• x86 based PC or compatible</li> <li>• Windows 2000, Windows XP, Windows 2003, or Windows Vista</li> <li>• 500MHz computer with 256MB of RAM or higher</li> <li>• 500MB free hard disk space or higher</li> </ul>
<b>Operating Temperature:</b>	65° to 90° F / 18° to 32° C
<b>Humidity:</b>	20 - 80% non-condensing
<b>Dimensions:</b>	<ul style="list-style-type: none"> <li>• HDP5000: 11.50"H x 12.25"W x 9.25"D / 292mmH x 313mmW x 235mmD</li> <li>• HDP5000 + Dual-Sided Module: 11.50"H x 17.50"W x 9.25"D / 292mmH x 445mmW x 235mmD</li> <li>• HDP5000 + Single-Sided Lam Module: 12.75"H x 25"W x 9.25"D / 324mmH x 635mmW x 235mmD</li> <li>• HDP5000 + Dual-Sided Module + Dual-Sided Lam Module: 12.75"H x 30"W x 9.25"D / 324mmH x 762mmW x 235mmD</li> <li>• Lam Module: 12.75"H x 12.25"W x 9.25"D / 324mmH x 313mmW x 235mmD</li> </ul>
<b>Weight:</b>	<ul style="list-style-type: none"> <li>• HDP5000: 16 lbs. / 7.3 kg</li> <li>• HDP5000 + Dual-Sided Module: 22 lbs. / 10 kg</li> <li>• HDP5000 + Single-Sided Lam Module: 28 lbs. / 12.7 kg</li> <li>• HDP5000 + Dual-Sided Module + Dual-Sided Lam Module: 36 lbs. / 16.4 kg</li> </ul>
<b>Agency Listings:</b>	<ul style="list-style-type: none"> <li>• Safety: UL 60950, CSA C2.2 No 60950, CB report (EN 60950), and CE mark</li> <li>• EMC: FCC Part15 Class A, EN 55022: 1998 Class A, CRC c1374, EN 61000-3-2: 2000, EN 61000-3-2: 1995, EN 55024: 1998, CE mark, and CCC mark</li> </ul>
<b>Supply Voltage:</b>	100-240 VAC, 3.8A
<b>Supply Frequency:</b>	50 Hz / 60 Hz
<b>Warranty:</b>	Printer - One year including On-Call Express (U.S. only); optional Extended Warranty Program (U.S. only) Printhead - Lifetime; unlimited pass
<b>Fargo Secure Materials:</b>	Fargo Card Printer/Encoders require highly specialized media to function properly. To maximize printed card quality and durability, printhead life and printer/encoder reliability, use only Fargo Secure Materials. Fargo warranties are void, where not prohibited by law, when non-Fargo Secure Materials are used.
<b>Options:</b>	<ul style="list-style-type: none"> <li>• Card Lamination Module – single-sided or dual-sided (simultaneous)</li> <li>• Smart card encoding (contact/contactless)</li> <li>• Door and cartridge locks</li> <li>• Printer cleaning kit</li> <li>• Magnetic stripe encoding</li> <li>• 300-card input hopper (available soon)</li> <li>• Dual-sided printing</li> </ul>

\*Indicates the ribbon type and the number of ribbon panels printed where Y=Yellow, M=Magenta, C=Cyan, K=Resin Black

\*\*Print speed indicates an approximate print speed and is measured from the time a card drops into the output hopper to the time the next card drops into the output hopper. Print speeds do not include encoding time or the time needed for the PC to process the image. Process time is dependent on the size of the file, the CPU, amount of RAM and the amount of available resources at the time of the print.



The HDP5000 printer/encoder is the most versatile way to produce multifunctional, durable and secure High Definition cards.

The HDP5000 meets the card application needs of:

- Government agencies and departments
- Medium-to-large corporations
- Financial institutions
- Colleges and universities
- Health care facilities and research labs
- Service bureaus

### HIGH DEFINITION CARDS



Government



Financial



Corporate

The HDP5000 supports a wide range of card technologies:

- HID® iCLASS® Contactless Cards
- MIFARE®/DESFire Contactless Cards
- Contact Smart Cards
- Proximity Cards
- Magnetic Stripe Cards
- Wiegand Cards
- Optical Memory Cards
- Bar Codes

Maximize the performance of your Fargo Card Identity System. Ask your authorized Fargo integrator about:

- Fargo Asure ID® Software
- Fargo Issuance Management Software
- Visual Security Solutions™
- Fargo Secure Materials
- Extended Warranties
- On-Call Express

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Secure Card Identity Systems



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