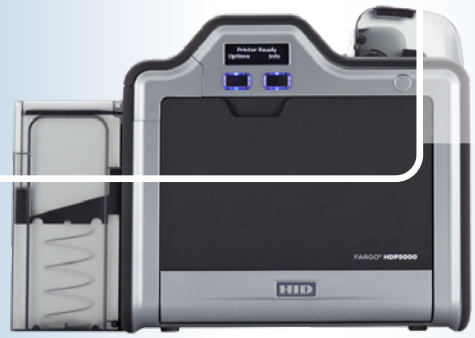
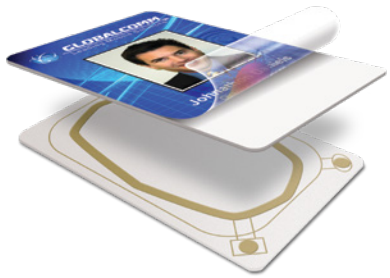
CARD PRINTING & ENCODING

FARGO® HDP5000





High Definition Printing™
HDP® delivers the highest image quality layered on the highest functioning cards. HDP Film fuses to the surface of proximity and smart cards, conforming to ridges and indentations formed by embedded electronics.

OPTIONAL FEATURES:

- Dual-input card hopper
- Dual-sided printing
- Card lamination module – single-sided or dual-sided (simultaneous)
- Smart card encoding (contact/contactless)
- Magnetic stripe encoding
- Door and cartridge locks
- Printer cleaning kit
- Custom Secure
- Holographic HDP Film and Overlaminates
- Wi-Fi® accessory that allows you to conveniently print anywhere, anytime

HIGH DEFINITION PRINTER

- **Built-in security features** – Security features such as resin scramble data protection, AES 256 data encryption and password protection come standard on every unit.
- **Innovative consumables options** – Higher-capacity, half-panel color ribbons significantly lower cost-per-card and reduce total cost of ownership.
- **Highly versatile** – Powerful printing in a modular, scalable design that simplifies in-field equipment upgrades and migration to higher levels of security.
- **High-volume performance and reliability** – Built for organizations requiring robust, high definition, high-volume printing every day. Optional dual-input card hoppers allow for maximum card input capacity and management of multiple card types.

For government agencies, colleges and universities, small-to-medium businesses, large corporations and healthcare facilities who need retransfer printing technology to routinely issue High Definition IDs or cards, the FARGO® HDP5000 from HID Global is a cost-effective and reliable solution that provides 300 dpi print resolution for superior text and image quality.

Unlike other desktop card printers on the market today, the HDP5000 features 4th generation retransfer technology, combining feature-rich functionality with remarkable, proven reliability.

The HDP5000 also boasts of the broadest offering of retransfer film available on the market today ensuring you'll have multiple options for keeping cost-per-card at a minimum.

What's more, cards produced by High Definition Printing™ (HDP®) are inherently more durable and secure than other types of cards. They resist wear and tear by putting a durable layer of HDP Film between the card image and the outside world. They are also tamper-evident — if a counterfeiter tries to peel apart the layers, the image essentially destroys itself – further bolstering card security and providing greater peace of mind.

The HDP5000 also offers the versatility to meet your card application needs today and in the future. The system's flexible architecture lets you expand or reduce production capability instantly, with add-on dual-sided printing, encoding and lamination modules. For greater system capacity, an optional dual card input hopper lets you easily manage multiple card types and higher card volumes. For one-step, inline printing and encoding HID Global offers multiple, field-upgradable encoder options. Because the HDP5000 easily integrates with other products within the HID ecosystem, you can leverage your existing Genuine HID technology investments.

Only one card printer offers 4th generation retransfer technology for every need – from sharp and vibrant photo ID cards to multi-functional, high security applications, the FARGO HDP5000 delivers on the promise of ultimate image quality and printer reliability, affordably.

ADDITIONAL PRODUCT FEATURES:

- Resin scramble data protection
- Password-protected printer operation and AES data encryption
- Higher-capacity, half-panel ribbon consumables
- Built-in Ethernet and USB connection for centralized or remote ID card issuance
- FARGO® Workbench™ diagnostic utility for printer maintenance facilitation, including Color Assist™ spot-color matching
- Interoperable with Asure ID® card personalization software for badge design, database management and technology card encoding

ENCODING OPTIONS (Supported smart card and magnetic stripe technologies):

- 125kHz (HID PROX) reader
- 13.56 MHz (iCLASS® Standard/SE/SR/Seos®, MIFARE® Classic, MIFARE Plus, MIFARE DESFire®, MIFARE DESFire® EV1, ISO 14443 A/B, ISO 15693) read/write encoder
- 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
- ISO magnetic stripe encoding, dual high- and low-coercivity, tracks 1, 2, and 3

SPECIFICATIONS

Print Method	Retransfer dye-sublimation / resin thermal transfer
Resolution	300 dpi (11.8 dots/mm) continuous tone
Colors	Up to 16.7 million / 256 shades per pixel
Print Ribbon Options	▪ 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 ▪ Full-color with fluorescing and resin black, YMCFK*, 500 prints ▪ Full-color with resin black, inhibit panel and heat seal panel, YMCIKH*, 450 prints ▪ Full-color ribbon with two resin black and inhibit panels, YMCKIKI* produces 400 cards with YMCKI on front and KI on back ▪ Half-panel color ribbon with a full resin black panel, YMCK*, 1000 prints ▪ Half-panel color ribbon with two full resin black panels for producing cards with full-color front and black only back, YMCKK*, 750 prints ▪ Resin black, K*, 3000 prints
Print Speed**	Batch Mode: ▪ Up to 24 seconds per card / 150 cards per hour (YMC with transfer)** ▪ Up to 29 seconds per card / 124 cards per hour (YMCK with transfer)** ▪ Up to 40 seconds per card / 90 cards per hour (YMCKK with transfer)** ▪ Up to 35 seconds per card / 102 cards per hour (YMCK with transfer and dual-sided, simultaneous lamination)** ▪ Up to 48 seconds per card / 75 cards per hour (YMCKK with transfer and dual-sided, simultaneous lamination)**
Accepted Standard Card Sizes	CR-80 (3.370″L x 2.125″W / 85.6 mm L x 54 mm W)
Print Area	Over-the-edge on CR-80 cards
Accepted Card Thickness	▪ Print only: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27mm ▪ Print/Lamination: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27mm
Accepted Card Types	▪ 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***
Input Hopper Card Capacity	100 cards (.030″ / .762 mm)
Output Hopper Card Capacity	200 cards (.030″ / .762 mm)
Card Cleaning	Replaceable cleaning roller (included with each print ribbon)
Memory	16 MB RAM
Software Drivers	Windows® 10 / 8 / 7 / Vista® / XP / Server 2012 / Server 2012 R2 / Server 2008 / Server 2008 R2 / Server 2003 RS / Server 2003 R2 / Server 2003 R1
Interface	USB 2.0, Standard Ethernet with internal print server
Operating Temperature	65° to 90° F / 18° to 32° C
Humidity	20–80% non-condensing
Dimensions	▪ HDP5000: 11.50"H x 12.25"W x 9.25"D / 292mmH x 313mmW x 235mmD ▪ HDP5000 + Dual-Sided Module: 11.50"H x 17.50"W x 9.25"D / 292mmH x 445mmW x 235mmD ▪ HDP5000 + Single-Sided Lam Module: 12.75"H x 25"W x 9.25"D / 324mmH x 635mmW x 235mmD ▪ HDP5000 + Dual-Sided Module + Dual-Sided Lam Module: 12.75"H x 30"W x 9.25"D / 324mmH x 762mmW x 235mmD ▪ Lam Module: 12.75"H x 12.25"W x 9.25"D / 324mmH x 313mmW x 235mmD
Weight	HDP5000: 16 lbs. / 7.3 kg, HDP5000 + Dual-Sided Module: 22 lbs. / 10 kg, HDP5000 + Single-Sided Lam Module: 28 lbs. / 12.7 kg, • HDP5000 + Dual-Sided Module + Dual-Sided Lam Module: 36 lbs. / 16.4 kg
Certifications	UL, CE, IC, FCC Class-A, CCC, BSMI, KC, MIC
Supply Voltage	100-240 VAC, 3.3A
Supply Frequency	50 Hz / 60 Hz
Warranty	Printer – Three years including one year of free printer loaner support (U.S. only); optional Extended Warranty Program (U.S. only), Printhead – Lifetime; unlimited pass
Encoding Options	▪ ISO Magnetic Stripe Encoding, dual high- and low-coercivity, Tracks 1, 2 and 3 ▪ Contactless Smart Card Encoder (HID iCLASS® and MIFARE) ▪ ISO 7816 Contact Smart Card Encoder ▪ Prox Card Reader (HID read-only)
Options	• Dual card input hopper module • Card lamination module – single-sided or dual-sided (simultaneous)*** • Magnetic stripe encoding • 200-card input hopper • Smart card encoding (contact/contactless) • Dual-sided printing • Door and cartridge locks • Printer cleaning kit • Secure proprietary consumables system • Custom secure holographic HDP Film and overlaminate
Software	FARGO Workbench™ diagnostic utility with Color Assist™ spot-color matching

* Indicates the ribbon type and the number of ribbon panels printed where Y=yellow, M=magenta, C=cyan, K=resin black, H=heat seal, I=inhibit, F=fluorescing.

** 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.

*** ABS and PVC cards are not recommended for use in the HDP5000 Lamination Module. (Free card proofing available. Please contact your local integrator for more information.)

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Learn about HID Global's green initiative @ **hidglobal.com/green**

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