HID FARGO® HDP®
(High Definition Printing)

Retransfer Printers/Encoders

HID FARGO HDP6600
with optional dual-sided printing and lamination

HID FARGO HDP5000e
with optional dual-sided printing and lamination

HID FARGO HDP5000
with optional dual-sided printing and lamination

Dual-sided printer/encoder

Dual-sided printer/encoder with lamination option

FLEXIBLE, MODULAR SYSTEMS THAT CAN GROW WITH YOUR NEEDS

HID FARGO HDP Printers offer the versatility to meet your card application needs today and in the future. With add-on dual-sided printing, encoding and lamination modules, these flexibly architected systems let you expand or reduce production instantly. For greater system capacity, an optional dual input card hopper lets you easily manage multiple card types and higher card volumes, expediting even the biggest production jobs. And for one-step, inline printing and encoding, HID offers multiple, field-upgradable encoder options. What's more, because HID FARGO HDP printers easily integrate with other products within the HID ecosystem, you can leverage your existing Genuine HID technology investments.

Highest Quality. Innovative. Proven.

HID FARGO High Definition Printing Solutions

SHARPER, CRISPER IMAGES AND TEXT FOR ANY ORGANIZATION

Colors are vibrant. Images and text are crisp. Quality is second to none. ID cards printed on FARGO HDP (High Definition Printing) card printers/encoders do more than protect your organization — they reflect the value you place on your brand. HID FARGO HDP card printers also include a built-in Workbench™ diagnostic utility and Color Assist tool to help your organization better match spot colors on company logos and service marks.

HID FARGO HDP reverse transfer printers are also right for organizations that demand more functionality from their ID cards. Government agencies, healthcare facilities, businesses and corporations, loyalty and membership programs, and colleges and universities are all expanding their use of multi-function smart cards. Encoding options allow configuration of FARGO HDP printers to produce highly secure contact and contactless smart cards that address your specific needs.

When you choose High Definition Printing technology, print quality is never sacrificed. Because precise images and text are printed onto high definition film, instead of directly to the card, the often uneven surface of technology cards won't compromise image quality. HDP printers can also print up to the very edge of smart chip contacts and virtually over the edge of each card so images are always sharp.

GREATER CARD SECURITY AND DURABILITY

Cards produced by high definition printing solutions are more secure and durable than other types of cards. They are inherently tamper-evident — if a counterfeiter tries to peel apart the layers, the image essentially destroys itself. The cards also resist wear and tear because the printer applies a durable layer of HDP film between the card image and the outside world.

For enhanced durability and security, highly versatile HDP printers also provide the ability to add a holographic overlaminate to the front of an ID card. An overlaminate on both sides doubles the protection — and FARGO HDP printers laminate both sides of a card simultaneously in one efficient pass.

INVEST WITH CONFIDENCE

When you buy from HID, you're investing in peace of mind. With tens of thousands of FARGO HDP printer systems already installed worldwide, HID provides the broadest portfolio of trusted, fully interoperable and secure printing and encoding solutions available. In addition, HID's FARGO solutions are designed and built in IS0:9001-certified facilities and backed by global product warranties, ongoing printer health monitoring and superb technical support. That's the HID commitment to you, our customer, and why you will always receive the highest level of product quality and service. Guaranteed.

HID FARGO HDP5000

High quality meets affordability

DEPENDALE, AFFORDABLE, PRECISION PRINT QUALITY

The HDP5000 is one of the most economically priced reverse transfer printers on the market today, making it an ideal solution for a broad range of organizations.

Only with HID FARGO retransfer printers are you ensured the broadest options for keeping cost-per-card at a minimum, lowering your total cost of ownership.

- **Leverage proven HDP technology and reliability.** HID introduced High Definition Printing (HDP) in 1999, and we've been perfecting the technology ever since. Our approach to reverse transfer printing technology reflects our commitment to customer-inspired innovation and the evolution of our family of High Definition Printing solutions. Reliable and robust, HID's fifth-generation HDP card printing solutions offer the print quality your organization can count on and the technology advancements you want. What's more, fifth-generation reliability means more peace of mind and less printer downtime — and because the printhead never comes in contact with card surfaces or debris, it's never damaged in the printing process. In fact, it carries a lifetime** warranty.

- **Produce High Definition cards anywhere.** Card production is no longer limited to stand-alone badging stations. A retail chain, for example, can distribute card issuance over a network to any location. On a corporate campus or university, an array of printers/encoders can be set up in a central location for high-volume production. The printer's Ethernet port and internal print server provide the connectivity needed for networked operations. The HDP5000 is the ideal choice for countless scenarios.

- **Take card printing to the next level without breaking the bank.** Only HID FARGO HDP card printers offer proven retransfer technology for every need and virtually every budget — from sharp and vibrant photo ID cards to multi-functional, high-security applications, FARGO HDP printers deliver on the promise of ultimate image quality and printer reliability, all at an affordable price point.

MAXIMUM PROTECTION.

Leverage built-in security features for additional peace of mind:

- **AES-256 data encryption —** which safeguards cardholder data while in transit between your PC and the printer
- **Resin scramble data protection —** a unique feature that adds an additional layer of security by scrambling and subsequently concealing any information printed with a resin panel
- **Password protection (HDP5000 only) —** where user-defined passwords lock down printer access, ensuring that unauthorized personnel cannot use the printer to print fraudulent cards or steal personal information
- **Optional locks** for card hoppers and/or consumables access

HDP5000

HID FARGO HDP5000e

Unparalleled reliability meets exceptional usability

HDP5000e

Featured with optional dual-sided printing capability

CONSUMABLES CONVENIENCE

- Ribbons, HDP film and overlaminates literally load in a snap via a convenient cartridge-based system — ensuring users can quickly and easily replenish consumables without impacting productivity.

LEVEL UP YOUR CARD PRINTING EXPERIENCE

Built on seven generations of proven retransfer technology over the last 25 years, the FARGO HDP5000e ID card printer emerges as the next iteration of FARGO high definition printing solutions, redefining the standards of reliability, usability, security and printing excellence.

- **Customer-inspired innovation.** Crafted through the meticulous cultivation of insightful feedback from our valued users, partners and internal stakeholders, the FARGO team has engineered a printer that not only maintains the exceptional quality of its HDP5000-series predecessors but adds new customer-inspired features, enhanced usability and performance gains. For reliable, uninterrupted ID badge and card printing, reduced maintenance and consistent, stunning print quality — you can rely on the FARGO HDP5000e.

- **Usability enhancements at every turn.** Whether your card printer operators are seasoned IT professionals or novice users, solutions that are easy to set up,

use and maintain over the long term will ensure your card program runs smoothly for years to come. Beyond its robust feature set, the HDP5000e simplifies and streamlines operation with its many usability enhancements. Its user-friendly and high-definition SmartScreen™ interface provides easy-to-understand notifications and helpful, walk-through prompts for setup, maintenance and troubleshooting.

- **Performance you can count on.** Designed to meet the higher-volume needs of medium-to-large corporations, universities, healthcare facilities and government agencies, the HDP5000e's advanced electronics platform ensures faster and more precise control over the printing process, resulting in higher resolution and more vibrant images. The printer's enhanced memory and processing capabilities allow for more efficient handling of print jobs, especially in high-volume environments.

HID FARGO HDP6600

The new customer demanded standard in retransfer printing

GET EVERYTHING YOU WANT FROM YOUR RETRANSFER CARD PRINTER

Built on six generations of proven retransfer technology, the HID FARGO HDP6600 from HID® combines innovative, never-seen-before features and patent-pending iON™ technology with unprecedented print speeds — making it the most advanced, efficient and fastest desktop-based retransfer printer available on the market today.

- **Faster is better.** Only the HDP6600 produces high definition cards, up to 230 cards per hour, and features HID's innovative iON technology for image transfer and lamination — an industry first. Patent-pending iON or "instant on" technology rapidly heats the transfer roller and optional laminator allowing the unit to reach optimal operating temperature in just seconds, expediting both the retransfer printing and lamination processes. Other lamination products can take up to five minutes to initially heat up. With the HDP6600, the unit is ready to produce high-quality cards and IDs in under 60 seconds — virtually eliminating that all-too-familiar long wait for the first card. For laminated cards, this means your first card is ready up to 80 percent faster than with other printers, saving you up to 20 hours in wait-time per year on average.

- **Wasteless lamination for highly durable cards at a fraction of the cost.** For laminated cards, the HDP6600 utilizes HID's innovative wasteless lamination technology, eliminating the need for standard carrier film and take-up core included in most lamination consumables on the market today. For larger lamination projects, this can substantially reduce high volume laminate materials costs by as much as 40 percent. Both one- or two-material configuration options are available to best fit your lamination needs.

- **Energy efficient and earth friendly.** The HDP6600 is an eco-friendly, energy-efficient solution that supports corporate green initiatives and helps organizations reduce costs. Not only does the HDP6600 considerably reduce consumables waste with innovative wasteless lamination technology, the printer has been GreenCircle® Certified for its energy conservation attributes. Its industry-leading iON technology with intelligent temperature control ensures that the retransfer and lamination rollers are only on and consuming energy while in operation. This provides unmatched energy efficiency and translates to significant energy savings for larger projects.

Fast, innovative, feature-rich and reliable, the HID FARGO HDP6600 sets the new customer demanded standard in retransfer printing.

HDP6600
Featured with optional dual-sided printing capability

FEATURE-RICH OPTIONS INCLUDE:

- Dual-sided printing
- Wasteless lamination
- Card flattener
- Dual input card hopper
- 200-card input hopper
- Technology card encoders that allow you to easily migrate to contact and contactless smart card technologies (including but not limited to iCLASS SE® or MIFARE®) or simple magnetic stripe and proximity cards as needed
- Physical locks for card hoppers and consumables access
- Custom secure holographic overlaminate
- Printer cleaning kit

PERSONALIZE CARDS IN ONE SEAMLESS STEP

FARGO card encoding modules enable organizations to print and encode credentials in a one-step, inline process — saving both time and money. In a single step, the printer/encoder personalizes smart cards with text and color and reads/writes data from/to the card's smart chip. This inline processing speeds ID issuance and effectively eliminates the potential for manual data entry errors that occur in the common two-step card personalization and data encoding process.

Offering a wide array of inline card encoding technologies, FARGO HDP printers can meet the needs of virtually any secure credential issuance program. Furthermore, because modules are fully field-upgradeable, encoding can be added or changed at any time to support new card personalization or evolving security needs as your requirements change over time.

CLOUD-READY SOLUTIONS

Fully compatible with HID's cloud-based card issuance platform, HID FARGO Connect™, FARGO HDP printers empower today's organizations to leverage the cloud to create superior-quality, multi-functional employee badges and other secure identity credentials — and issue them anywhere.

Product Comparison

	FEATURES		
	HDP5000	**HDP5000e**	**HDP6600**
Dual-sided Printing	Field-upgradeable	Field-upgradeable	Field-upgradeable
Print Method	Retransfer Dye-sublimation	Retransfer Dye-sublimation	Retransfer Dye-sublimation
Print Speed*	Up to 124 cards per hour (YMCK w/Transfer)	Up to 133 cards per hour (YMCK w/Transfer)	Up to 230 cards per hour (YMCK w/Transfer)
iON Technology (Heat-up/Readiness in under 60 seconds)			•
Single- or Dual-sided Lamination	Field-upgradeable	Field-upgradeable	Field-upgradeable Wasteless Lamination
Resolution	300 dpi	300 dpi	600 dpi
Inline Printing and Encoding	•	•	•
Magnetic Stripe Encoding	Field-upgradeable	Field-upgradeable***	Field-upgradeable
Contact Smart Card Encoding	Field-upgradeable	Field-upgradeable	Field-upgradeable
125 kHz (HID Prox) Reader	Field-upgradeable	Field-upgradeable	Field-upgradeable
13.56 MHz (iCLASS®, MIFARE®, ISO 14443 A/B, ISO 15693) Read/Write Encoder	Field-upgradeable	Field-upgradeable	Field-upgradeable
USB and Ethernet with Internal Print Server	•	•	•
IPv4- and IPv6-compatible; with support for SNMPv3		•	•
SmartScreen Graphical Diplay	•	•	•
Physical Hardware Locks	Optional	Optional***	Optional
Data Encryption	•	•	•
Printer Password Protection	•		
GreenCircle Certified Energy Savings			•
Dual Input Card Hopper	Field-upgradeable	Field-upgradeable***	Field-upgradeable
Card Flattener			Optional
Three-year** Warranty	•	•	•

	MARKET APPLICATIONS		
APPLICATION / PRINTER	**HDP5000**	**HDP5000e**	**HDP6600**
Corporate ID	•	•	•
National I D	•	•	•
Drivers License	•	•	•
Government / Military	•	•	•
State and Local Government	•	•	•
Transportation	•	•	•
Healthcare	•	•	•
Universities	•	•	•
Events	•	•	•

*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 printhead resolution, the CPU, amount of RAM and available resources at the time of the print.
**Three-year warranty available on printers and lifetime warranty available on printheads with completion of online printer registration. (Two-year warranty standard on both printer and printheads without online printer registration.)
***Coming soon

HID

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