Printing and Encoding Solutions
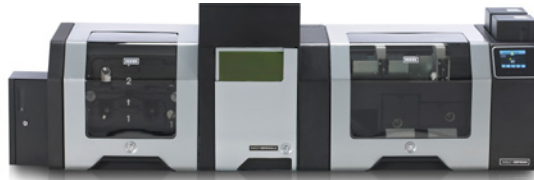
HID FARGO® HDP® (High Definition Printing™)

Retransfer Printers / Encoders

HID®

FARGO® HDP8500
Industrial Card Printer

FARGO® HDP8500LE
HDP8500 with Laser Engraver and lamination

FARGO® HDP5000
with optional dual-sided printing and lamination

FARGO® HDP5600
with optional dual-sided printing, lamination, and dual card input hopper

FARGO® HDPii PLUS
Financial Printer with lamination

Highest Quality. Innovative. Proven.

HID® FARGO® High Definition Printing Solutions

Dual-sided printer/encoder

Lamination and dual card input hopper options

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-card input 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 Global 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.

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. They also resist wear and tear by putting 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 or holographic HDP film 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 Global, you're investing in peace of mind. With tens of thousands of FARGO HDP printer systems already installed worldwide, HID Global provides the broadest portfolio of trusted, fully interoperable and secure printing and encoding solutions today. In addition, HID Global's FARGO solutions are designed and built in ISO: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.

HDP5600
Featured with optional dual-sided printing capability

HDP5000

Reliable, affordable, precision print quality.

High quality meets affordability

The **HDP5600** and **HDP5000** are two of the most economically priced reverse transfer printers on the market today with the HDP5600 offering the most affordable 600 dpi solution available, making either of these card printers an ideal solution for a broad range of organizations. In addition, half-panel ribbons are available to use in both your HDP5600 and HDP5000 printers, further reducing your cost per image by as much as 30 percent.

Only with FARGO HDP5600 and HDP5000 printers are you ensured the broadest options for keeping cost-per-card at a minimum, lowering your total cost of ownership.

■ **Leverage proven fifth-generation HDP technology and reliability.** HID Global 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 Global'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.

■ **Print and encode your physical access credentials in a single, seamless step.** By using HID Global's embedded encoders with your FARGO HDP printers, you are able to both personalize and encode ID cards with the same device, during the same issuance process. Cards can be encoded with unique company or employee information and programmed to work with a variety of physical access control systems, anywhere in the world. In a single, seamless step, you can streamline your ordering, inventory management, and issuance processes while providing maximum control, flexibility and security for your organization.

■ **Take card printing to the next level.** Only HID FARGO HDP card printers offer 5th generation retransfer technology for every need – 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.

Print anywhere, anytime.

Today's consumers value convenience and flexibility, and expect that they can receive products and services when and where they need them. The optional Wi-Fi® accessory for HDP Ethernet-enabled printers allows for convenient remote printing of IDs and cards from any location at anytime.

Maximum Protection.

Protect blank card stock and printed/encoded cards with optional locking card hoppers.

Deliver a highly personalized customer experience with instant card issuance.

HDPii Plus
Featured with optional lamination capability

The HDPii Plus helps attract new customers and build your business with existing customers by offering the opportunity for highly customized card designs.

Financial Cards just got exciting

- **Financial card specialist.** The FARGO HDPii Plus printer/encoder was designed specifically for the secure instant issuance of financial cards. The HDPii Plus prints financial cards on both sides and writes card data with its standard magnetic stripe encoder and optional contact and contactless smart card encoders. The printer supports the secure global Europay MasterCard® Visa® (EMV) standard, ensuring that cards are interoperable within the global payment infrastructure and providing greater protection from fraud. Special features of the HDPii Plus make it compliant with the security requirements of financial card associations.

- **A new generation of opportunities.** The FARGO HDPii Plus produces the new generation of financial cards with no embossed text on the front and increasingly, a contact or contactless smart chip inside. Instant issuance opens exciting new possibilities in card design and personalization.

- **Simple and secure card production anywhere.** With its ease of use, reliable operation and low maintenance, the HDPii Plus Financial Card Printer/Encoder gives institutions the confidence to deploy instant issuance to thousands of branch locations. The HDPii Plus is surprisingly easy to use. Cards, ribbons and HDP Film are all cartridge-based and load in a snap. Simple on-screen prompts from the HDPii Plus printer driver, and a helpful LCD control panel on the printer itself, make operation simple and intuitive.

FARGO High Definition Printing™ (HDP®) technology delivers superb image quality on smart cards. HDP Film conforms to the uneven surface created by embedded electronics.

Produce IDs reliably and continuously– even in the most demanding environments.

HDP8500
Industrial Card Printer

High duty performance

With the FARGO® HDP8500 Industrial Card Printer/Encoder, HID Global delivers the most reliable, heavy duty performance ID card printer in the industry. The FARGO HDP8500, featuring HID's High Definition Printing™ (HDP®) technology, is the superior industrial ID printer for extended-run, high throughput credential personalization and issuance. It's especially suited for the high cycle requirements of large government ID card programs, laborious service bureau conditions, and demanding university and large enterprise environments.

■ **High durability results.** The FARGO HDP8500 is designed to work with the most durable consumables, making it the ideal printer for ID cards that need to last, such as those used for government ID programs. Clear and holographic overlaminate patches can be added to the card, providing higher card durability and longer card life.

■ **Enhanced system reliability for challenging environments.** Non-climate controlled areas, high heat, dirt and debris can routinely impact performance, affecting your productivity as well as overall print quality and reliability. The FARGO HDP8500 is designed to safeguard against the most challenging operating environments. Its airflow and filtration system, canopy dust seals and internal temperature sensors maintain ideal printing conditions in the harshest conditions.

■ **Advanced system performance for enhanced security and throughput.** The FARGO HDP8500 has physical locks on all access points to protect the ribbon and film consumables, as well as the cards, before and after printing. Secure PIN access electronically locks the printer and advanced data decryption (AES-256) ensures the protection of your secure print jobs. The HDP8500 resin erase feature also eliminates any personal data on used ribbon panels to further reduce the risk of data corruption or counterfeiting. In addition, holographic or fluorescent (UV) overlaminates can be added to the card to provide a cost-effective, dynamic means of increasing overt, covert, or forensic card security. Sold separately, the HDP8500LE (Laser Engraver) integrates seamlessly with the HDP8500 and provides personal and organizational security by engraving permanent, unalterable data into high-technology cards. Ideal for large batch print jobs, the FARGO HDP8500 by HID Global has multiprocessing capabilities to greatly increase card yield. For example, the system can encode one card while printing a second card and laminating a third.

Maximum Security
The FARGO® HDP8500 is compliant with the security requirements of government ID issuers worldwide, such as physical locks on the input / reject hoppers and protection of misprinted or misencoded cards in an internal reject bin.

The HDP8500 provides highly secure print job authorization at the point of issuance, including AES-256 data encryption, a data-erase feature that renders information on used ribbons illegible, and a proprietary, secure link between the printers and consumables used in your unique large ID project.

Peak Performance
The HDP8500 sustains longer, uninterrupted, high-yield batch print runs. Large-capacity consumables and card input hoppers help minimize downtime. A clean, stable print environment and internal card flattener ensure consistently high-quality card output.

Guaranteed Solutions backed by professional services.

Secure issuance solutions you can count on

From a broad portfolio of Genuine HID guaranteed, interoperable solutions to professional services for solution implementation, maintenance and training, HID Global has got you covered.

With tens of thousands of HDP printers in use worldwide, HID Global's FARGO® solutions are fully interoperable with other products within the HID secure identity ecosystem, such as Asure ID® card personalization software, EasyLobby® secure visitor management solutions, or the iCLASS SE embedded encoder, allowing you to create custom designed smart cards unique to your business. Backed by the Genuine HID guarantee, you can have peace of mind that your employees, visitors, facilities, and your data are always secure.

HID Professional Services™ for secure issuance solutions can assist in project planning and management from start to finish. This consultative approach identifies technical complexities and risks up front – finding the best integration pathways, providing options, and deploying the right solution to ensure success. HID Professional Services are affordably priced and provide high-value deployment assistance services that ensure customer satisfaction from installation through in-depth operator training.

By leveraging one of our HID Professional Services Packages, you will receive personalized service from a dedicated HID Professional Services team member who will work with you to ensure best practice implementation and train your team to effectively manage your issuance processes to make the most of your secure issuance solution.

Depending on the type, size and complexity of your deployment, our Genuine HID Investment Protection Service packages can provide your organization with scheduled maintenance updates and functionality upgrades to maximize your printer's performance and ensure that your investment is protected long into the future.

HID Professional Services™ are sold and delivered through the HID Advantage Partner™ network, together with other Genuine HID® products and solutions. Our goal is to deliver complete solutions, ensuring they will be fully operational, deployed according to best practice, on schedule and on budget.

FEATURES

	HDP5000	HDP5600	HDPii Plus	HDP8500
Print Method	Retransfer Dye-sublimation	Retransfer Dye-sublimation	Retransfer Dye-sublimation	Retransfer Dye-sublimation
Dual-sided Printing	Field-upgradeable	Field-upgradeable	Field-upgradeable	▪
Single- or Dual-Sided Lamination	Field-upgradeable	Field-upgradeable	Field-upgradeable	Field-upgradeable
600 dpi		Optional		Please inquire
Touch Screen User Interface				▪
Keypad Printer Lock				▪
Physical Hardware Locks	Optional	Optional	▪	▪
Data Encryption	▪	▪	▪	▪
Magnetic Strip Encoding	Field-upgradeable	Field-upgradeable	Field-upgradeable	Field-upgradeable
Contact Smart Card Encoding	Field-upgradeable	Field-upgradeable	Field-upgradeable	Field-upgradeable
125 kHz (HID Global Prox) Reader	Field-upgradeable	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	Field-upgradeable
Inline Printing and Encoding	▪	▪	▪	▪
Wi-Fi Compatible*	▪	▪		▪
USB Connectivity	▪	▪	▪	▪
USB and Ethernet with Internal Print Server	▪	▪	▪	▪
SmartScreen Graphical Display	▪	▪	▪	▪
Dual -input Card Hopper	Field-upgradeable	Field-upgradeable	Field-upgradeable	▪
Printer password Protection	▪	▪	▪	▪
Laser Engraving				Optional
Integrated OSM Encoder Module				Optional
Card Flattener				Optional
Three-Year Warranty	▪	▪	▪	▪

Requires HID Wi-Fi® module (sold separately) and Ethernet-enabled printer

MARKET APPLICATIONS

APPLICATION / PRINTER	HDP5000	HDP5600	HDPii Plus	HDP8500
Corporate ID	▪	▪		▪
National ID	▪	▪		▪
Drivers License	▪	▪		▪
Government / Military	▪	▪		▪
State and Local Government	▪	▪		▪
Transportation	▪	▪		▪
Healthcare	▪	▪		
Universities	▪	▪		▪
Events	▪	▪		
Financial Institutions			▪	

HID

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