

# Printing, Laminating & Encoding Solutions



**FARGO® DTC550LMX**  
High Volume Direct-to-Card  
Printer/Laminator/Encoder





## High volume, reliable performance at an ultra-low cost-per-card.



### High Durability - Low Cost

PolyGuard™ LMX wasteless overlaminates allow for up to 50% lower consumables costs, reducing your total cost of ownership.



### One- or Two-Material Option

Only the DTC5500LMX offers one-or two-material options, allowing for automated dual-side lamination without the dual-side price.

### High Volume Performance

The DTC5500LMX all-in-one, direct-to-card (DTC®) printing and lamination solution delivers reliable, high-volume production at an ultra-low cost-per-card. The solution is ideal for organizations that require robust printing and lamination every day. This enables cost-conscious organizations to routinely issue secure, durable cards in greater volumes without sacrificing quality.

Designed to meet the needs of medium-to-large corporations, universities, as well as government and healthcare facilities, the DTC5500LMX includes standard dual-card hoppers and support for high-capacity, full-color ribbon and laminate consumables - keeping costs at a minimum while maximizing productivity.

### High Durability Cards at a Fraction of the Cost

The DTC5500LMX utilizes HID Global's innovative wasteless lamination technology, eliminating the need for the standard carrier film and take-up core included in most lamination consumables on the market today. The advanced wasteless lamination technology can substantially reduce high volume laminate materials costs by as much as 50%. Utilizing the wasteless PolyGuard™ LMX overlaminates, DTC5500LMX lamination extends the life of your cards by providing the highest level of card coverage protection available. Whether you need multi-function

smart cards, highly secure government credentials, or gift and loyalty cards, the DTC5500LMX consistently produces sharp, professional-looking cards, every time. In addition, the DTC5500LMX laminate coverage increases card durability for credentials that will last. PolyGuard™ LMX overlaminates are available in three options: clear, holographic and custom holographic for even greater security.

### Unprecedented System Uptime and Lamination Speed

Unlike other printer/laminators, the DTC5500LMX is ready to laminate in just seconds with HID Global's patent-pending new iON™ technology, significantly reducing wait times. Other lamination products can take up to five minutes to initially heat up; they also consume energy to maintain the necessary lamination temperature, even when not laminating cards. With iON technology, the DTC5500LMX saves considerable energy since its lamination roller is only on and consuming energy while laminating cards.

### Single- or Dual-Laminate Material Configurations

The DTC5500LMX offers single- or dual-laminate material configurations to best fit your lamination needs. When only a single lamination material is desired for either the front or both the front and back of your card, the single laminate material configuration



may be utilized. For example, a corporate employee ID may only require a clear laminate patch on the front of the card for enhanced durability.

A dual-side, two-material option is also available for jobs that require different lamination materials on either side of the card. This is especially useful for multi-purpose credentials. For instance, universities and other organizations may opt for a custom, holographic laminate on the front of their multi-use smart card for added security and utilize a half-patch laminate on the back of the card to protect other card elements, such as barcodes while leaving a magstripe unencumbered for cashless vending, transit, campus access or other applications.

#### **Operational Simplicity**

Easy to load and operate, the DTC5500LMX provides convenient, cartridge-free wasteless lamination, and built-in sensors automatically advance overlaminates within the unit for proper alignment and optimal results. In addition, the printer and laminator features a user-friendly graphical SmartScreen™ display, allowing you to easily scroll through and select printing and lamination options. An optional andon light alerts users when materials are low or cleaning is required, further simplifying operation and ensuring that your investment is preserved over time, even in the harshest operating environments.

#### **Durable Yet Stylish Exterior**

Attractive, dependable and robust, the DTC5500LMX is crafted from rugged materials to withstand high performance demands while retaining a sleek, professional look for your office or badging station.

#### **Eco-Friendly Printer System and Consumables**

The DTC5500LMX is an eco-friendly, energy-efficient solution that supports corporate green initiatives and helps organizations reduce costs. Not only does the DTC5500LMX considerably reduce consumables waste with innovative wasteless lamination technology, the printer has been GreenCircle® Certified for its energy conservation attributes.

#### **Proven DTC Technology and Reliability**

The DTC5500LMX reflects HID Global's commitment to customer-inspired innovation and the exciting evolution of our direct-to-card solutions. Trusted, dependable and based on 20 years of direct-to-card expertise, the DTC5500LMX combines proven reliability with advanced technology features that were specifically designed to save you time and money. As the recognized industry leader in quality, HID Global is committed to customer satisfaction excellence. That's why we've included three-year system and printhead warranties with the DTC5500LMX that are unsurpassed in the market.



#### **High Volume Performance**

Designed to meet the high volume needs of medium-to-large corporations, universities, and government facilities, the DTC5500LMX includes dual card hoppers and support for high-yield, full-color ribbon and laminate consumables - keeping costs at a minimum while maximizing productivity.



#### **Cost-saving One-Material or Convenient Two-Material Options**

With dual-sided lamination standard on every unit, the only choice you'll have to make is whether you prefer one material or two. One-material lamination affords cost-saving, dual-sided lamination using the same material on both sides of your card - but without the additional, dual-side hardware investment. Adding the convenient two-material option, you can use alternate materials on the front and back of your cards. The choice is yours.



**Key Elements for High Volume, Low Cost-Per-Card Printing and Lamination**

Leveraging these five elements, the DTC5500LMX helps you to achieve maximum ROI on your high volume lamination projects.

**A Scalable and Flexible Solution**

Not all IDs are the same. Some may require only printing and laminating, while others need technology card encoding. Some organizations need a printer system that fits particular needs now and has the capacity to meet additional needs over time. The DTC5500LMX has several options that can be added to meet your specialized requirements, including:

- ISO magnetic encoding
- Contact or contactless card encoding
- Andon light remote operator feedback
- Physical locks for hoppers and consumables
- Wi-Fi® module for remote printing

The DTC5500LMX is completely field-upgradeable so that as your needs evolve, you don't need to purchase another solution. What's more, the DTC5500LMX is fully interoperable with Genuine HID® technology. This guarantees the printer's interoperability with other products within the HID Global ecosystem, enabling you to leverage your existing HID Global investments.

For example, you can easily add an encoder to your DTC5500LMX printer, should you need to both personalize and encode ID cards with the same device -- in a single issuance process -- all without having to replace your printer. 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.

Whether your organization seeks to print simple ID badges or move to multi-functional technology cards for physical access control and beyond, HID Global offers the broadest range of interoperable secure identity solutions in the market.

**Take Card Printing and Low-cost Lamination to the Next Level**

Built on proven direct-to-card technology for every need - from vibrant and durable photo ID cards to multi-functional, high security applications - the DTC5500LMX delivers on the promise of high-volume, ultra-low cost-per-card printing and lamination.



**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 Ethernet-enabled printers such as the DTC5500LMX 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.

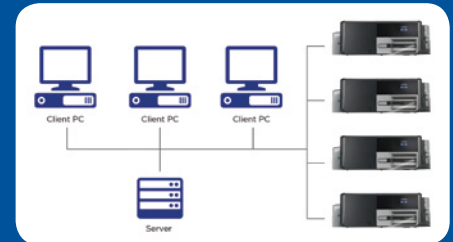
# FARGO® DTC5500LMX Professional Card Printer/Encoder Features



- 1 Multi-processing capability: encode/print/laminate simultaneously
- 2 Dual input hoppers with 200-card total capacity
- 3 SmartScreen™ graphical status display
- 4 3-year full system and printhead warranties
- 5 Polyguard™ LMX wasteless lamination – Dual-side, one-material lamination standard; two-material option
- 6 Physical hardware locks (optional)
- 7 Multiple field-upgradeable printer options

## Specifications Overview (complete DTC5500LMX specs available at hidglobal.com)

<b>Print Method</b>	Dye Sublimation / Resin thermal transfer
<b>Lamination Platform</b>	LMX Wasteless Lamination / Dual-side lamination standard
<b>Resolution</b>	300 dpi (11.8 dots/mm)
<b>Colors</b>	Up to 16.7 million / 256 shades per pixel
<b>Print Ribbon and Laminate Options</b>	Wide array of ECO-friendly print ribbons from K to YMCKOKO. Laminate patch options from full card coverage and half panel polyester overlaminates to off-the-shelf and fully custom holographic overlaminates are all available from HID. Please see hidglobal.com/dtc5500lmx for a complete list of our most current offerings.
<b>Print Speed**</b>	6 seconds per card (K)*; 16 seconds per card (YMCKO)*; 24 seconds per card (YMCKOK)*
<b>User Interface</b>	User friendly, SmartScreen™ graphical display
<b>Accepted Standard Card Sizes</b>	CR-80 (3.375" L x 2.125" W / 85.6 mm L x 54 mm W)
<b>Accepted Card Thickness</b>	Print / lamination: .030" (30 mil) - .040" (40 mil) / .762 mm - 1.02 mm
<b>Input Hopper Card Capacity</b>	Dual-input card hopper (200 cards)
<b>Output Hopper Card Capacity</b>	Up to 100 cards (.030" / .762 mm)
<b>Software Drivers</b>	Windows® 7, 8 and 10 (32 bit & 64 bit) / Windows Server 2003/2008/2012 MAC OS X 10.5/10.6/10.7/10.8/10.9/10.10/10.11 / Linux***
<b>Print Area</b>	CR-80 edge-to-edge (3.370" L x 2.125" W / 85.6 mm L x 54 mm W)
<b>Warranty</b>	Printer – three years; Printhead – three years, unlimited pass with UltraCard®
<b>Options</b>	Single wire Ethernet and USB 2.0 interface for inline printing and encoding (note: single wire Ethernet encoding is only available for iCLASS®, MIFARE®, and contact smart card encoding); WiFi Module; locking card input/output hopper and ribbon drawer; smart card encoding modules (contact/contactless); magnetic stripe encoding module; printer cleaning kit; secure proprietary consumables system; and on production status light
<b>Included Software</b>	FARGO Workbench™ diagnostic utility with Color Assist™ spot-color matching



### Produce IDs and Cards anywhere

ID badge and card production need not be limited to a single high-volume printer system in a central location.

Organizations can issue IDs and cards from multiple sites--centrally and remotely--in combinations that satisfy your unique needs.

With an Ethernet port and internal print server, DTC5500LMX printers/encoders can be securely networked together to produce high volumes of cards, sharing one or more common or centrally managed databases.

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