



The world's leading printer/encoder  
for secure, laminated cards.

Professional Series

# Pro-LX

Direct-To-Card Laminating Printer/Encoder

**FARGO**<sup>®</sup>

Card Personalization Systems

# Pro-LX The world's leading printer/encoder

The FARGO Pro-LX offers the ideal printing and laminating solution for your de

**Not all laminating card printers are created equal. We know, because we invented the first one.**

Today, FARGO is making the best even better. Introducing the new Pro-LX, the world's most capable, reliable, laminating card printer/encoder.

**Rugged, reliable cards from a rugged, reliable printer.**

Unlike many printers, the Pro-LX can laminate both sides of a card, providing maximum durability and protection from abrasion, color fading, and dye-migration. Plus, FARGO's exclusive PolyGuard™ overlamine is up to 25 times more durable than standard protective overlays. This saves you money by reducing the need to issue new cards. When using PolyGuard with custom holographic images, you get the most secure, durable cards available.

Used alone or connected to multiple stations via the printer's optional networking capabilities, the Pro-LX is ideal for continuous-print applications. Among its time-saving features are sensors that can identify printing and encoding errors, automatically separate a faulty card into the Reject Card Hopper, and continue printing without interruption!



Select the laminating option that's right for you. You can choose from a clear PolyGuard overlamine, a stock holographic overlamine for more security, or you can create your own customized holographic overlamine for the most secure card available.

**High-speed, high-quality printing will take you to the edge.**

No more large white borders or fuzzy pictures! With 300 dpi resolution and edge-to-edge printing, the image quality of the Pro-LX is the highest of its kind.

It's also the fastest. With 4MB of standard memory, the Pro-LX can print laminated cards at industry-leading speeds, making it ideal for high-volume environments. It can print and laminate a full color card in less than 40 seconds. Plus, when batch printing, the Pro-LX prints one card while simultaneously laminating another — allowing it to produce up to 120 single-sided, laminated cards per hour.

**SmartGuard™ is the “key” to stopping counterfeit cards.**

Stop unauthorized use of your card printing system with SmartGuard. This printer security feature controls access to your Pro-LX by allowing only authorized persons with a custom access card, or “key,” to print cards.

**SmartShield™ provides added security at an affordable cost.**

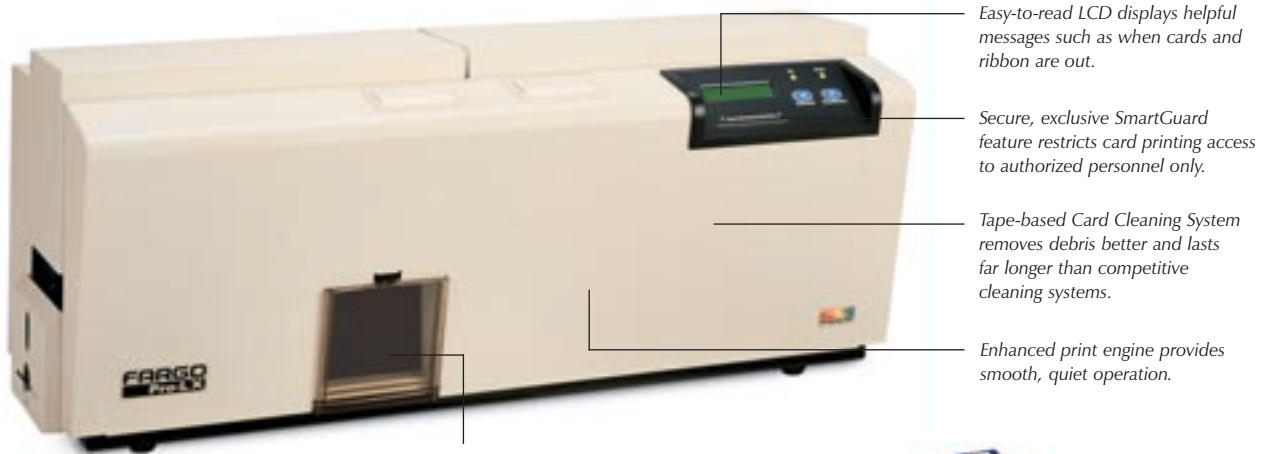
FARGO's patented SmartShield card security capability is built into the Pro-LX, and into your cards. SmartShield allows you to print custom transparent images onto cards without the need for custom holographic PolyGuard. The transparent SmartShield image is visible only when viewed at an angle or under an ultra-violet light source. You get additional, customized security in an affordable, tamper-resistant card.

er for secure, laminated cards.

emanding security applications.

## Pro-LX

Direct-to-Card Laminating Printer/Encoder Features



The Pro-LX identifies errors and sends incomplete or improperly encoded cards to the Reject Card Hopper. Clear door shows you instant status.

Easy-to-read LCD displays helpful messages such as when cards and ribbon are out.

Secure, exclusive SmartGuard feature restricts card printing access to authorized personnel only.

Tape-based Card Cleaning System removes debris better and lasts far longer than competitive cleaning systems.

Enhanced print engine provides smooth, quiet operation.



### Encoding makes cards more functional.

Want to add more functionality to your cards? Encoding options allow you to use your cards for access control, time and attendance, cashless vending and more. Magnetic stripe and smart card options can be integrated into the Pro-LX, making it an easy-to-use "one-pass" system.

### An unparalleled combination of durability and security.

The Pro-LX is loaded with benefits you won't find in any other laminating card printer. When you need highly durable, secure cards and a highly reliable, secure system, you need the FARGO Pro-LX.



Secure, exclusive SmartGuard feature restricts card printing access to authorized personnel only.

Contact an authorized FARGO integrator about the Pro-LX Card Printer/Encoder!



STANDARD  
CARDS



LAMINATION



EDGE-TO-EDGE



MAG STRIPE



CONTACT  
SMART CARDS



LCD DISPLAY



SMART  
SHIELD



SMART  
GUARD

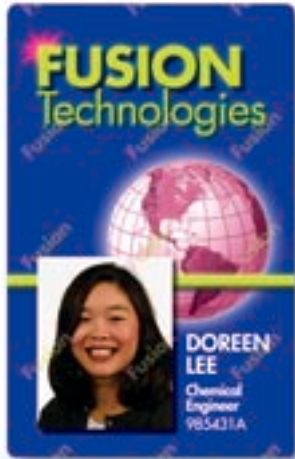


REJECT CARD  
HOPPER

The Pro-LX is the world's leading printer/encoder for secure, laminated cards.



National ID



Corporate



Government

## Pro-LX Specifications

<b>Print Method:</b>	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 with resin black, YMCKO*, 250 prints</li> <li>• Full Color with two resin black panels, YMCKOK*, 250 prints</li> <li>• Full Color with two resin black panels, no overlay panel, YMCKK*, 250 prints; must be used with overlamine</li> <li>• Dye-sublimation black, BO*, 500 prints</li> <li>• Resin black, green, blue, red, white, silver, gold, and scratch-off, 1000 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, .6 mil thick, 250 prints</li> <li>• PolyGuard Overlamine, 1.0 mil thick, 125 or 250 prints</li> </ul> <p>All overlamines available in either clear, holographic globe design or custom holographic design; can also be optimized for use with smart cards and magnetic stripes</p>
<b>Print Speed:**</b>	<p>8 seconds per card / 450 cards per hour (K)*</p> <p>15 seconds per card / 240 cards per hour (BO)*</p> <p>30 seconds per card / 120 cards per hour (YMCKO)*</p> <p>30 seconds per card / 120 cards per hour (YMCK/lamination)*</p> <p>37 seconds per card / 97 cards per hour (YMCKK/lamination)*</p>
<b>Accepted Standard Card Sizes:</b>	CR-80 (3.375"L x 2.125"W / 85.6mmL x 54mmW)
<b>Print Area:</b>	CR-80 edge-to-edge (3.37"L x 2.11"W / 85.5mmL x 53.5mmW)
<b>Accepted Card Thickness:</b>	.020" (20 mil) to .040" (40 mil) / .508mm to 1.02mm
<b>Accepted Card Types:</b>	PVC or polyester cards with polished PVC finish; monochrome resin ribbon required for 100% polyester cards
<b>Input Hopper Card Capacity:</b>	100 cards (.030" / .762mm); auto or manual feed
<b>Output Hopper Card Capacity:</b>	100 cards (.030" / .762mm)
<b>Security Features:</b>	SmartGuard printer security; SmartShield card security
<b>Card Cleaning:</b>	Removable card cleaning cartridge with replaceable cleaning tape
<b>Memory:</b>	4MB RAM; upgradeable to 16MB
<b>Software Drivers:</b>	Windows® 95/98/Me/NT 4.0/2000/XP
<b>Encoding Options:</b>	<ul style="list-style-type: none"> <li>• ISO Magnetic Stripe Encoding Module, dual high-and low-coercivity, Tracks 1, 2, and 3</li> <li>• JIS II Magnetic Stripe Encoding Module</li> <li>• E-card Docking Station (required for 3rd party smart card encoding)</li> </ul>
<b>System Requirements:</b>	IBM-PC or compatible, Windows 95/98/Me/NT 4.0/2000/XP, Pentium® class 133MHz computer with 32MB of RAM or higher, 200MB free hard disk space or higher, ECP parallel port with DMA access
<b>Interface:</b>	Centronics Parallel, IEEE 1284 compliant
<b>Operating Temperature:</b>	65° to 80°F / 18° to 27°C
<b>Humidity:</b>	20-80% non-condensing
<b>Dimensions:</b>	10.44"H x 24.79"W x 10.25"D / 265mmH x 630mmW x 260mmD
<b>Weight:</b>	40 lbs. / 18.2 kg
<b>Agency Listings:</b>	Safety: UL 1950, CSA, C2.2 and TÜV-GS (IEC-950) Emissions: FCC Class B, CRC c1374, Class B and TÜV-EMC (IEC-801 -2, -3, -4; CISPR 22, Class B) CE
<b>Supply Voltage:</b>	100-240 VAC, 2A
<b>Supply Frequency:</b>	50 Hz / 60 Hz
<b>Warranty:</b>	Printer – One year; optional Extended Warranty Program (U.S. only) Printhead – One year; unlimited pass with UltraCard™ cards
<b>Options:</b>	<ul style="list-style-type: none"> <li>• 16MB RAM Upgrade Kit</li> <li>• Printer Cleaning Kit</li> <li>• External Print Server (Windows only; required for stand-alone networking of printers)</li> <li>• USB-to-Parallel Interface Cable (Windows 98/Me/2000/XP only)</li> </ul>

\*Indicates the ribbon type and the number of ribbon panels printed where Y=Yellow, M=Magenta, C=Cyan, K=Resin Black, O=Overlay, B=Dye-Sublimation Black  
 \*\*Print speed indicates an approximate batch print speed and is measured from the time a card feeds into the printer to the time it ejects from the printer. 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. (Note that single card print speeds will be slower than the batch print speeds listed above since batch print speed is enhanced by the printer's multi-tasking capabilities when printing multiple cards in succession.)