

# FARGO Pro and Pro-L ID Card Printers

*The New Standard of Reliability*



**FARGO®**

# Pro and Pro-L: Delivering speed, security

Characterized by their unwavering reliability and solid construction, FARGO's high-performance Professional Series Printers are expertly engineered for high-volume applications. The FARGO Pro and FARGO Pro-L have captured the essence of innovation and redefined the industry standard for card printers.

## Solidly Constructed for Continuous-Print Applications

FARGO's Pro and Pro-L Printers are built for unrivaled speed and reliability. Rugged, durable and loaded with high-powered performance features, these printers are ideal for use in continuous-print applications.

Engineered for high duty cycles, the Pro and Pro-L's networking capabilities enable them to be networked for high-end production with multiple printing stations. As the original printers in the revolutionary Professional Series product line, the Pro and Pro-L further enhance FARGO's position as the innovative leader in card printers.

## Rapid Printing Speed Takes You to the Edge

Perfectly suited for high-volume environments, the Pro and Pro-L incorporate 4MB of standard memory and are capable of producing large quantities of full-color cards at industry-leading speeds. The Pro model prints a full-color card in only 25 seconds. Pro-L, with its built-in lamination station, has the ability to *print and laminate* a full-color card in just 40 seconds. Plus, when batch printing, Pro-L prints one card while simultaneously laminating another, thereby allowing it to produce up to 180 full-color, laminated cards per hour!

Utilizing an advanced dye-sublimation/resin thermal transfer print technology, Pro and Pro-L print digital images onto either side of a card. Their edge-to-edge printing feature allows you to print photos and graphics to the edge of the card – creating an infinite host of design possibilities.



## Pro-L's Built-in Lamination Station Provides Heightened Durability and Security for ID Cards

A high-speed, built-in lamination station is the main component that differentiates the Pro-L printer from the Pro model. With this feature, the Pro-L has the capacity to laminate both sides of a card and implement any number of advanced security features. This is accomplished by offering several different overlamination choices, including FARGO's clear or holographic PolyGuard™, which provides maximum durability and protection from abrasion and color fading. As the innovator of the built-in lamination station, FARGO is the authority on this breakthrough technology.



## Integrated Magnetic Stripe Encoding and Smart Card Personalization

With the advanced technology of Pro and Pro-L, you can include some of today's most sought-after features in your cards. Both a smart card encoding contact station and/or a dual high/low-coercivity magnetic stripe encoder can be built into the printer and integrated directly into the printing process. These options allow you to use your cards for access control, time and attendance, vending and more.



# *and reliability*

## *The Latest in Security Innovation – SmartGuard™ and SmartShield™*

SmartGuard is literally the “key” to your security needs. This optional feature allows you to easily encode a custom access card which, when inserted into the printer, provides access only to those who have been authorized to print. This patent-pending feature controls output and provides accountability for the production of all cards.

The SmartShield option is yet another FARGO innovation (patent pending). This simple, inexpensive option allows you to print custom transparent images onto cards which reflect light when viewed at an angle. Plus, for even higher security, these images glow when viewed under an ultraviolet (black) light. Either way, SmartShield images enhance card security and help protect you from counterfeiting.

*Order Your Pro or Pro-L Printer Today  
From an Authorized FARGO Reseller!*

## *Pro and Pro-L Technical Highlights*

- User-friendly, tool-free printhead assembly for quick and easy replacement
- Printer driver-based color image density controls for fine-tuning without mechanical adjustment
- New industrial-grade print engine for fast, reliable printing
- Universal dual 110v/220v power supply for no-hassle plug-and-print in any country
- Printer driver setting allows you to mag encode, laminate or both without the need to print a card



# Specifications



FARGO's thermal film and ultra-durable PolyGuard overlaminates deliver added protection from abrasion and color fading. Custom holographic security features can also be incorporated.



FARGO's exclusive SmartGuard™ security feature allows you to encode a smart card for controlling printer access. Once encoded, the smart card is inserted into the printer to provide access only to those who have been authorized to print.

<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	
<b>Print Speed:</b>	Approximately 8 seconds (K) Approximately 15 seconds (K,O) Approximately 25 seconds (Y,M,C,O) Approximately 30 seconds (Y,M,C,K,O) <b>Pro-L only</b> - When batch printing: 20 seconds (Y,M,C/lamination)	
<b>Accepted Standard Card Sizes:</b>	Dual-sided printing capabilities	
<b>Pro:</b>	<b>CR-80</b> (3.375" x 2.125" / 85.6mm x 54mm) Maximum Print Area: 3.37" x 2.11" / 85.5mm x 53.5mm	
<b>Pro-L:</b>	<b>CR-80</b> (3.375" x 2.125" / 85.6mm x 54mm) Maximum Print Area: 3.37" x 2.11" / 85.5mm x 53.5mm <b>CR-90</b> (3.63" x 2.37" / 92mm x 60.3mm) Maximum Print Area: 3.37" x 2.14" / 85.5mm x 56.8mm <b>CR-100</b> (3.88" x 2.63" / 98.5mm x 66.7mm) Maximum Print Area: 3.37" x 2.14" / 85.5mm x 56.8mm	
	*To laminate oversized cards (CR-90 or CR-100) on the Pro-L, FARGO strongly recommends ordering the Pro-L "OS" printer	
	<b>Pro</b>	<b>Pro-L</b>
<b>Maximum Accepted Card Width Range:</b>	2.1" to 2.13" / 53mm to 54mm	2.1" to 2.63" / 53mm to 67mm
<b>Maximum Accepted Card Length Range:</b>		
<b>Single-Sided</b>	3.25" to 3.37" / 82mm to 85.3mm	3.25" to 3.88" / 82mm to 98mm
<b>Double-Sided</b>	3.25" to 3.37" / 82mm to 85.3mm	3.25" to 3.88" / 82mm to 98mm
<b>Accepted Card Thickness:</b>	.01" to .03" / .254mm to .75mm	.01" to .04" / .254mm to 1.02mm
<b>Card Types:</b>	PVC or polyester cards with polished PVC finish; monochrome resin ribbon required for straight polyester cards	
<b>Card Capacity:</b>	Accepts up to 100 standard CR-80 PVC cards	
<b>Software Drivers:</b>	Windows® 3.1x, Windows 95/98® and Windows NT®	
<b>Interface:</b>	Standard 8-bit Centronics-type parallel (ECP compatible)	
<b>Operating Temperature:</b>	65° to 80°F (18° to 27°C)	
<b>Humidity:</b>	20% - 60% non-condensing	
	<b>Pro</b>	<b>Pro-L</b>
<b>Dimensions:</b>	9.05"H x 17.43"W x 10.94"D (229mmH x 442mmW x 278mmD)	10.44"H x 24.79"W x 10.94"D (265mmH x 630mmW x 278mmD)
<b>Weight:</b>	26 lbs. (11.8 kg)	41 lbs. (18.6 kg)
<b>Agency Listings:</b>	Safety standards: UL 1950, CSA, C2.2 and TUV-GS (IEC-950); Emissions standards: FCC Class B, CRC c1374, Class B and TUV-EMC (IEC-801 -2, -3, -4; CISPR 22, Class B) CE	
<b>Supply Voltage:</b>	100-240 VAC	
<b>Supply Frequency:</b>	50 Hz / 60 Hz	
<b>Warranty:</b>	Printer - One year; optional Extended Warranty Program (U.S. only) Printhead - One year or 100,000-pass usage-allowance with UltraCard cards (whichever comes first)	
<b>Options:</b>	<ul style="list-style-type: none"> <li>• ISO Magnetic Stripe Encoding Module, dual high- and low-coercivity, Tracks 1, 2, and 3 (optional Encoding Module for oversized cards also available)</li> <li>• JIS II Magnetic Stripe Encoding Module (not for use with oversized cards)</li> <li>• Smart Card Encoding Contact Station</li> <li>• SmartGuard Security Feature</li> <li>• SmartShield Security Feature</li> </ul>	

# FARGO®

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