

**BUYING CONCERNS**
**F E E A T U R E S**

	<b>Security</b>	<b>Productivity</b>	<b>Card Durability<sup>1</sup></b>	<b>User Friendly</b>	<b>Maintenance</b>	<b>Compatibility with Latest Card Technologies</b>
<b>FARGO Expertise: Systems Integration &amp; Support</b>	Customized access control solutions for buildings and information				Local ongoing technical support	Integrate any card application into your facility: photo IDs, access control, Public Key Infrastructure (PKI), time and attendance tracking, parking lot passes
<b>LCD Panel</b>		No need to open printer to find status of print job  LCD tells you where card is in print process  LCD notifies user when cards and ribbon stock are low		4-line display panel gives easy answers and diagnostics	Prompts for regular printer cleaning	
<b>Card Cleaning Cartridge</b>		Lasts over twice as long as competitors' solutions (3,000 cards)	Polyester/PVC UltraCard III cards for long-lived and ultra durable cards	Blue "touch" points and easy, drop-in loading and replacement	Fast, drop-in replacement	
<b>FARGO Certified Supplies</b>		Eliminate ribbon waste: • RibbonTraq™ ensures accurate print registration • Print non-stop: 400 color prints/ribbon • Fast print speeds -Full-color, single-sided cards - 27 seconds -Full-color, dual-sided cards - 35 seconds -Monochrome cards, each side - 7 seconds		Easy, drop-in ribbon loading	Coated ribbon panels – avoid Printhead scratches	
<b>Smart Solutions – Card Encoding Options<sup>2</sup></b>	Magnetic stripe, proximity and smart card encoders are useful for security and access control applications	Encode cards right inside printer – eliminate two-step printing and encoding		FARGO integrators recommend appropriate e-card application software for your needs		Smart card, proximity card and magnetic stripe card encoding options for contact and contactless card applications
<b>Dual Locking Card Hoppers and Exception Card Feed<sup>3</sup></b>	Protects blank card stock from theft	Load different cards into each hopper (e.g. green employee badges and blue visitor IDs) Load up to 200 of the <i>same</i> cards, and decrease your card replacement time		True exception card feed even when card hoppers are full		
<b>SmartGuard™ and SmartShield™<sup>3</sup></b>	Security features protect against fraudulent card production and limit printer access to authorized personnel					

<sup>1</sup> For additional card durability, use the Pro-L Card Printer, with time-saving, in-line lamination. Choose clear or holographic PolyGuard™ overlaminates for secure, tamperproof and exceptionally durable cards for high-use applications – access control, cafeteria charges, etc.  
<sup>2</sup> FARGO's HDP™ Card Printers encode proximity, smart and magnetic stripe cards; print on proximity and smart cards; print over the edge. <sup>3</sup> Standard on DTC515 and DTC525 Card Printers.

**Card Cleaning Cartridge**

Removable card cleaning cartridge with economical, replaceable card cleaning tape makes card cleaning and maintenance a breeze and improves print quality.

**Dual Locking Card Hoppers**

The DTC500 Series features a dual-stack, 200-card capacity, lockable Card Input Hopper. This unique dualhopper allows you to load up to 200 of the same type of card for maximum card production, or allows you to load a different stack of cards into each hopper for added versatility and efficiency. Loading two different stacks of cards is beneficial if, for example, you are using two different colors of cards (i.e. blue cards versus red cards) in order to more easily distinguish between student, faculty, or staff badges. It lets you automatically switch between the two different card stocks.

The hopper lock helps to prevent theft of your blank card stock. This feature is especially helpful when using valuable card stock such as preprinted cards, smart cards, or cards with built-in security features such as holograms.

**Dye-Sublimation Ribbons**

Dye-sublimation is the print process that FARGO Card Printers use to print smooth, continuous-tone, photo-quality images. This process uses a dye-based ribbon roll that is divided into a series of color panels. The color panels are grouped in a repeating series of three separate colors along the length of the ribbon: Yellow, Magenta, and Cyan (YMC). As the ribbon and card pass simultaneously beneath the Printhead, hundreds of thermal elements heat the dyes on the ribbon. Once the dyes are heated, they vaporize and diffuse into the surface of the card. Varying the heat intensity of each thermal element within the Printhead makes it possible for each transferred dot of color to vary saturation. This blends one color into the next. The result is continuous-tone, photo-realistic color images.

**E-Card**

Any card that incorporates advanced technology – smart cards, proximity cards, laser cards, and magnetic stripe cards.

**LCD Panel**

The LCD – or Liquid Crystal Display panel – provides helpful print, maintenance and error messaging status that an end-user can scroll through. This is much easier to interpret than nondescript LED lights.

**Monochrome Resin Ribbons**

FARGO monochrome resin ribbons are transferred to a card through the Resin Thermal Transfer process. Resin ribbons are used to print sharp black text and crisp bar codes that can be read by both infrared and visible-light bar code scanners. It is also the process used to print ultra-fast, economical one-color cards. Like dye-sublimation, this process uses a thermal Printhead to transfer color from the ribbon roll to the card. The difference, however, is that solid dots of color are transferred in the form of a resin-based ink which fuses to the surface of the card when heated. This produces very durable, single-color images.

**RibbonTraq™**

RibbonTraq technology quickly calibrates the ribbon without scrolling through numerous ribbon panels, speeding production and eliminating waste. In addition, RibbonTraq alerts you if the wrong ribbon has been installed to help you avoid printing errors.

**SmartGuard™**

SmartGuard is a printer security option that uses a custom access smart card and a built-in reader to restrict printer access. With this feature, only those with a valid access card can print cards. This makes both your printed cards and your overall system more secure.

**SmartShield™**

This option allows the printer to print custom, reflective security images on the card that fluoresce under a black or UV light source.