



EDIsecure® Printer Selection Guide

FOR EVERY LEVEL OF SECURITY THE RIGHT PRINTING TECHNOLOGY

To meet every customer's personalization requirements and budget limitations, we offer a wide selection of card printers. Our direct card printers are fast and durable, low-cost solutions for companies, clubs, organizations and agencies. Our *EDIsecure*® XID Retransfer Printers are designed for more demanding ID applications, such as smart card personalization, ranging from card printing and inline encoding to high resolution gradient UV-printing and high-speed ID production with inline overlamination. The *EDIsecure*® XID Retransfer print technology provides over-the-edge full-color printing with outstanding image quality, and enables printing on a variety of card materials including longer-lasting, durable non-PVC cards.

The *EDIsecure*® printer portfolio consists of seven top-of-the-line printers which are available either as part of the Value Line, the Business Line or the Professional Line.

The Value Line for easy access to ID card production consists of the single side, edge-to-edge *EDIsecure*® DCP 240+ Direct Card Printer and

and the double-sided, edge-to-edge *EDIsecure*® DCP 340+ Direct Card Printer.

The Business Line for managing more demanding applications consists of the new double-sided, edge-to-edge DCP 360+ Professional Direct-Card Printer and the modular *EDIsecure*® XID Retransfer Printer for superior print quality. In addition, we offer different lamination modules to increase visual card security and protect the surface from physical damage.

The Professional Line for highly secure and high-volume operations is made up of the *EDIsecure*® XID Retransfer Printers XID 9300 and XID 9330 to provide utmost security and flexibility by using various optional external modules.

All XID Retransfer printer models are providing encoding and lamination options as well as state-of-the-art features to increase card security.

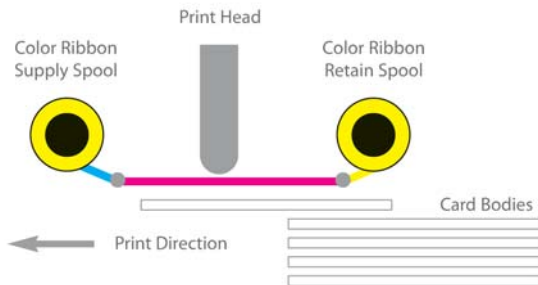


THERE IS ONE FOR EVERYBODY

PROVEN TECHNOLOGY AND PRINTERS

DIRECT-CARD-PRINTING TECHNOLOGY

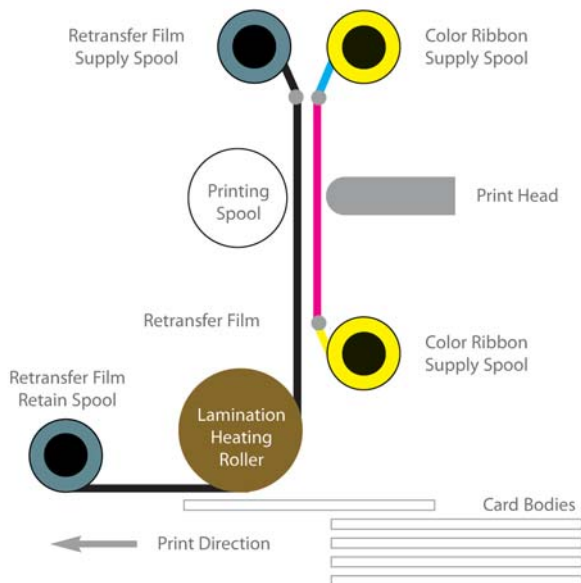
Direct-Card-Printing is most commonly used for mid- and entry level security. Images are directly printed onto the surface of a plastic card. This process of dye-sublimation printing uses a dye-based ribbon which is partitioned. The print head contains hundreds of thermal elements which heat the dyes on the ribbon, which then vaporize and permeate the surface of a card.



XID RETRANSFER PRINT TECHNOLOGY

XID Retransfer-Printing produces superior print quality. It is ideal for the personalization of long-lasting smart cards, and for applications which require offset-like printing quality.

XID Retransfer print technology does not print information directly on a card. The information is printed using dye-sublimation on a retransfer film which is then laminated on the card surface. Thus, the card body is better protected and its durability is improved substantially. With the XID Retransfer print technology even non-PVC cards such as ABS, PET and Polycarbonate can be personalized.

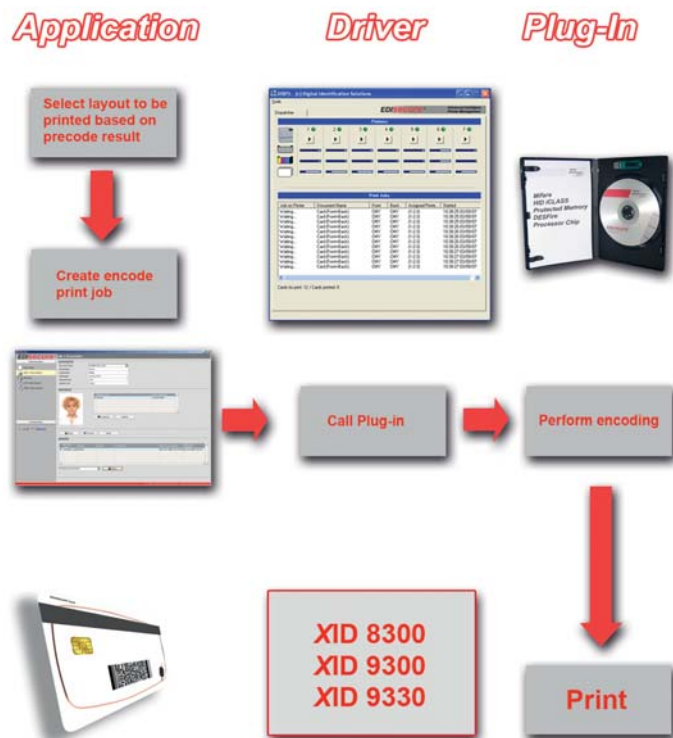


ENCODING TECHNOLOGIES

Various encoding technologies are used to enhance card security such as barcode, magnetic stripe, contact and contactless chip. The encoding option depends on the customers' needs and the available budget. With our *EDISecure*® Direct Card and XID Retransfer printers, cards are printed and encoded with magnetic stripe and/or multiple encoding technologies:

- Contactless Encoding Technologies (Mifare, DESFire, HID iCLASS, Legic, etc.)
- Contact Chip Technologies (memory and processor chip)
- Magnetic Stripe Technology (HiCo and LoCo)

Our Advanced Chip Encoding Framework (CEF) is a powerful *EDISecure*® XID printer tool-kit which encodes independently of your ID application. It allows the integration of multiple encoding technologies using just one easy-to-use plug-in tool. It is now possible to encode smart chips from nearly any software application which permits variable field data in a layout.



VALUE LINE



EDISECURE® DCP240+

Desktop, single-side, edge-to-edge Direct ID Card Printer. With its fast print speed, superb image quality and very user-friendly operation, it is ideal for issuing photo IDs and loyalty cards.

EDISECURE® DCP340+

Desktop, double-sided, edge-to-edge Direct ID Card Printer. It is the optimal application for medium to higher volume ID card applications such as photo IDs and loyalty cards with the perfect combination of speed and quality.

BUSINESS LINE



EDISECURE® DCP 360+

Double-sided, edge-to-edge Direct ID Card Printer, plus single- or double-sided lamination option. The most powerful and robust desktop card printer is developed especially for industrial needs in medium to high volume ID card projects.

EDISECURE® XID 8300

Extreme modular, single- or double-sided, over-the-edge Retransfer ID Card Printer, plus single-side or double-side lamination option. The compact and modern printer is ideal suited for superior print quality in ID card projects with smart card personalization. It is ready for plug and play inline encoding and lamination.

PROFESSIONAL LINE

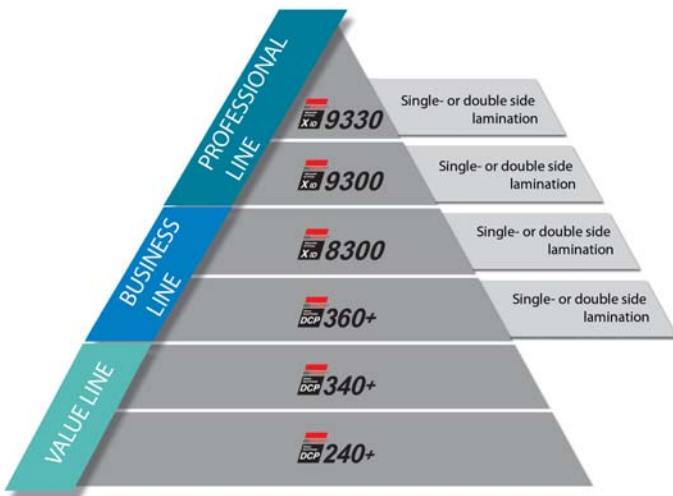


EDISECURE® XID 9300

Double-sided, over-the-edge Retransfer ID Card Printer, plus single-side or double-sided lamination options and a wide variety of encodings. The printer is favored in highly secure and high-volume operations such as large corporations, government agencies, airports and R&D departments.







EDISECURE® XID 9330

Double-sided, over-the-edge Retransfer ID Card Printer, plus single-side or double-sided lamination options. It is designed especially for use with high technology cards as well as very high card production volumes. Advanced Intelligent Printer Management allows the operation of up to seven XID 9330 printers in a network environment for a maximum hourly output capacity of 840 single-sided, full-color ID cards. Due to parallel processing, an unrivalled level of system availability is achieved. It is the printer of choice for high-security mass production in multinational corporations, card service centers and government agencies.



THERE IS ONE FOR EVERYBODY

EDISECURE® PRINTER PROGRAM QUICK REFERENCE

						
	DCP 240+	DCP 340+	DCP 360+	XID 8300	XID 9300	XID 9330
Printing technology	Direct-card	Direct-card	Direct-card	Retransfer	Retransfer	Retransfer
Resolution 300 dpi	●	●	●	●	●	●
Print Option	Single-sided	Single-and double-sided	Single-and double-sided	Single- or double-sided	Single-and double-sided	Single-and double-sided
Printable Area	Edge-to-edge	Edge-to-edge	Edge-to-edge	Over-the-edge	Over-the-edge	Over-the-edge
Print Speed (single-sided, full-color card)	Up to 160/h	Up to 190/h	More than 180/h	100/h	120/h	From 120/h up to 840/h (Advanced IPM)
Printable Cards	PVC and Composite PVC			PVC, Composite PVC, ABS, PET and Polycarbonate		
Card Feeding	Auto	Auto	Auto	Auto	Auto and Manual	Auto and Manual
Card Thickness	0.25 - 1.3 mm	0.25 - 1.3 mm	0.25 - 1.02 mm	0.25 - 1.02 mm	0.25 - 2.0 mm	0.25 - 2.0 mm
Ribbon Portfolio	500 prints YMCKO 1,500 prints K, W, S	500 prints YMCKO 300 prints YMCKOKO 1,500 prints K, W, S	750 prints YMCKO 600 prints YMCKOKO 2,200 prints K	1,000 prints YMCK 750 prints YMCKK YMCK-PO YMCK-UV	1,000 prints YMCK 750 prints YMCKK YMCK-PO YMCK-UV	1,000 prints YMCK 750 prints YMCKK YMCK-PO YMCK-UV
Retransfer Film	---	---	---	1,000 prints	1,000 prints	1,000 prints
PC Interface	USB 1.1	USB 1.1	USB 2.0	Ethernet and USB 2.0	Ethernet and USB 2.0	Ethernet and USB 2.0
Magnetic Stripe Encoding	●	●	●	●	●	●
Contact Chip Encoding	---	---	●	●	●	●
Contactless Chip Encoding	---	---	●	●	●	●
Advanced CEF (Chip Encoding Framework)	---	---	---	●	●	●
Lamination Options	---	---	Single- and double-sided	Single- and double-sided	Single- and double-sided	Single- and double-sided
Lamination Modules	---	---	ILM, ILM-DS (special version)	ILM-LS, ILM-DS	ILM, ILM-DS (special version)	ILM, ILM-DS (special version)
Security Features	---	---	---	Security Erase, IPSEC, UV ink	Security Erase, IPSEC, UV ink	Security Erase, IPSEC, UV ink
Security Lock	---	---	---	●	●	●
Printer Password	---	---	---	---	---	●
Printer Settings via Admin Center	---	---	---	●	●	●
Printer Look-Up Tables	---	---	---	●	●	●
Advanced IPM (Intelligent Printer Management)	---	---	---	---	---	●

● = available ● = optional available --- = not available

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