



EDIsecure® Printer Selection Guide

FOR EVERY LEVEL OF SECURITY THE RIGHT PRINTING TECHNOLOGY

To meet every customers' 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 five 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 very competitive single- and/or double-sided, edge-to-edge *EDIsecure*® DCP 350 Direct Card Printer.

The Business Line, for managing more demanding applications, consists of the new double-sided, edge-to-edge *EDIsecure*® DCP 360+ Direct-Card Printer and the modular *EDIsecure*® XID 8300 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 9300 and XID 9330 Retransfer Printers, to provide utmost security and flexibility by using various optional external modules.

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

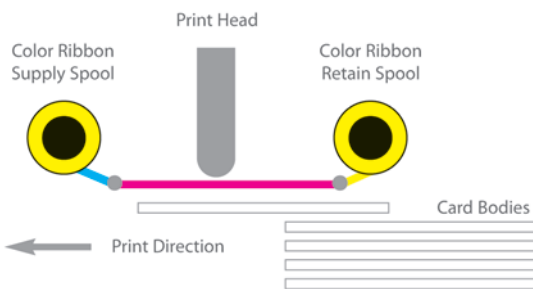


THERE IS ONE FOR EVERYBODY

PROVEN TECHNOLOGY AND PRINTERS

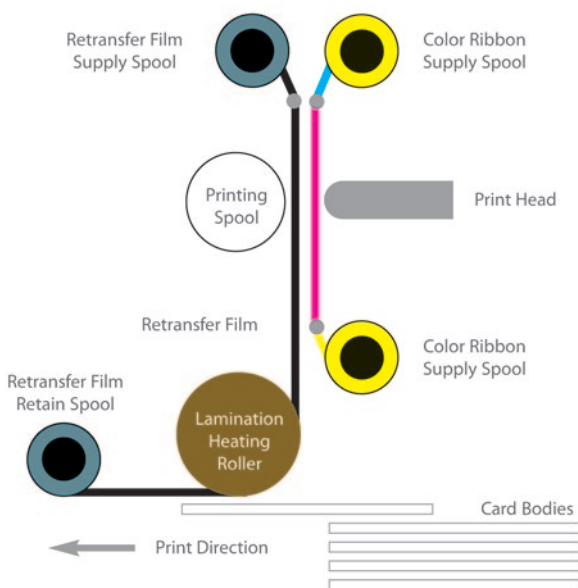
DIRECT-CARD-PRINTING TECHNOLOGY

Direct Card Printing is the term most commonly used for mid- and entry level security solutions where the images are directly printed onto the surface of a plastic card. The print head contains hundreds of thermal elements which heat the color dyes on the ribbon, which then vaporize and permeate the surface of a card in a process known as dye-sublimation. In monochrome printing, the same print head applies carbon resin from the ribbon directly to the surface of the card.



XID RETRANSFER PRINT TECHNOLOGY

XID Retransfer Printing produces superior print quality, and is ideal for the personalization of long-lasting smart cards, and for applications which require offset-like print quality. XID Retransfer print technology does not print information directly on a card surface. Instead, 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 XID Retransfer print technology, even non-PVC cards such as ABS, PET and Polycarbonate can be personalized.

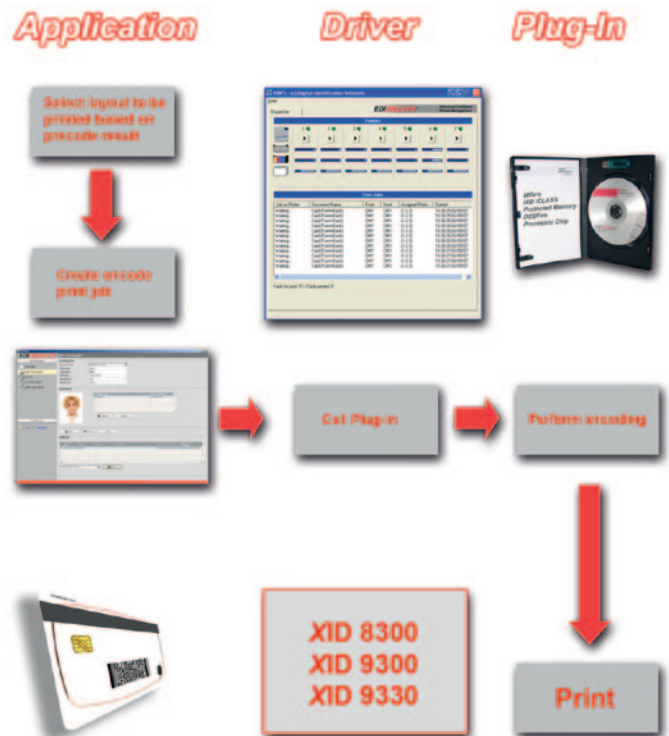


ENCODING TECHNOLOGIES

Various encoding technologies can be used to enhance card security such as barcode, magnetic stripe, contact and contactless chip. The encoding option used depends on the customer's specific needs. With our *EDIsecure*® Direct Card and XID Retransfer printers, cards can be printed and encoded with multiple encoding technologies in the same system:

- 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 lets you encode independently of your ID application. It allows for 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 that permits variable field data in a layout.

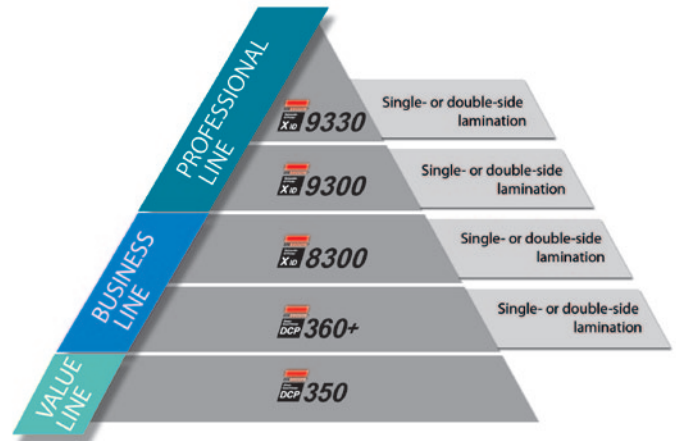


VALUE LINE



EDISECURE® DCP350

A single and/or double-sided, edge-to-edge Direct ID Card Printer that is the perfect solution for all kinds of applications, whether a photo is printed or not. With its modular assembly, the standard single-side printer can be easily upgraded to a dual-side printer at any time.



BUSINESS LINE



EDISECURE® DCP 360+

A double-sided, edge-to-edge Direct ID Card Printer, with single- or double-sided lamination options, that is the most powerful and robust desktop card printer developed especially for industrial needs in medium to high volume ID card projects.

EDISECURE® XID 8300

An extremely modular, single- or double-sided, over-the-edge Retransfer ID Card Printer, with single- or double-sided lamination options that is ideally suited for superior print quality in ID card projects with smart card personalization and is ready for plug-and-play inline encoding and lamination.

PROFESSIONAL LINE



EDISECURE® XID 9300






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

EDISECURE® XID 9330

A double-sided, over-the-edge Retransfer ID Card Printer, plus single-side or double-sided lamination options, that is designed especially for use with high technology cards in very high card production volumes. Its Advanced Intelligent Printer Management allows for 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, multiple card production jobs can be processed simultaneously. It is the printer of choice for the mass production of high-security cards in multinational corporations, card service centers and government agencies.

THERE IS ONE FOR EVERYBODY

EDISECURE® PRINTER PROGRAM QUICK REFERENCE

					
	DCP 350	DCP 360+	XID 8300	XID 9300	XID 9330
Printing technology	Direct Card	Direct Card	Retransfer	Retransfer	Retransfer
Resolution 300 dpi	●	●	●	●	●
Print Option	Single- and/or double-sided	Single- and/or double-sided	Single- and/or double-sided	Single- and/or double-sided	Single- and/or double-sided
Printable Area	Edge-to-edge	Edge-to-edge	Over-the-edge	Over-the-edge	Over-the-edge
Print Speed (single-sided, full-color card)	Up to 144/hr	More than 180/hr	120/hr	120/hr	From 120/hr up to 840/hr (Advanced IPM)
Printable Cards (blank white, preprinted, customized)	PVC and Composite PVC		PVC, Composite PVC, ABS, PET, Polycarbonate and PETix		
Card Feeding	Auto	Auto	Auto	Auto and Manual	Auto and Manual
Card Thickness	0.3 - 1.0 mm	0.25 - 1.02 mm	0.25 - 1.02 mm	0.25 - 2.0 mm	0.25 - 2.0 mm
Ribbon Portfolio	250 prints YMCKO 200 prints YMCKOKO YMCUVKOP 1,200 prints K + various monochrome supplies	750 prints YMCKO 600 prints YMCKOKO 2,200 prints K	1,000 prints YMCK 750 prints YMCKK YMCK-PO YMCK-UV 2,000 prints K	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	Ethernet and USB 2.0	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, IPI, Letterscreen	Security Erase, IPSEC, UV ink, IPI, Letterscreen	Security Erase, IPSEC, UV ink, IPI, Letterscreen
Security Lock	---	---	●	●	●
Printer Password	●	---	●	---	●
Printer Settings via Admin Center	---	---	●	●	●
Printer Look-Up Tables	---	---	●	●	●
Advanced IPM (Intelligent Printer Management)	---	---	---	---	●

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

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