



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 Professional Line printers are designed for more demanding ID applications such as smart card personalization, ranging from card printing and inline encoding to high-speed ID production with inline overlamination. Our EDIsecure® XID Retransfer print technology provides over-the-edge full-color printing with outstanding image quality and enables printing on longer-lasting non-PVC cards for even more durability.

The EDIsecure® printer portfolio consists of eight top-of-the-line printers which are available either as part of the Value Line for easy access to ID card production, or as part of the Professional Line for more demanding applications which require a higher security level. In addition, we offer different lamination modules to increase visual card security and protect the surface from physical damage.

The Value Line consists of the EDIsecure® DCP 100 Entry-Level-Desktop Direct-Card Printer (single- or double-sided printing with manual card feeding), the single side, edge-to-edge EDIsecure® DCP 240+ Direct-Card Printer and the double-sided, edge-to-edge EDIsecure® DCP 340+ Direct-Card Printer.

The Professional Line is made up of the double-sided, edge-to-edge EDIsecure® DCP 360i Professional Direct-Card Printer and the EDIsecure® XID Retransfer Printer family consisting of four powerful and versatile models, XID 560ie, XID 570ie, XID 580ie and XID 590ie. As our focus is to continuously meet the needs of our customers we offer this variety of state-of-the-art printers. Therefore the XID Retransfer printer models now have enhanced encoding and lamination options as well as new features to increase card security.



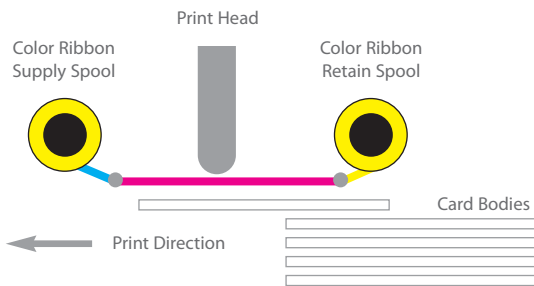
THERE IS ONE FOR EVERYBODY

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.

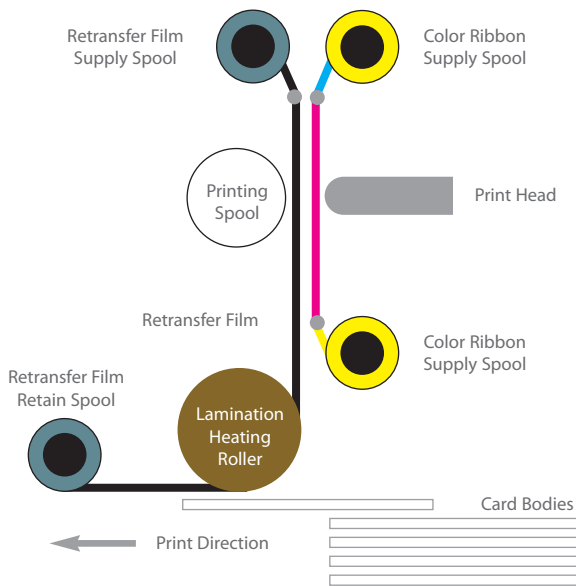


Direct-Card-Printing

RETRANSFER-PRINTING 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 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-Printing technology even non-PVC cards such as ABS, PET and Polycarbonate can be personalized.



Retransfer Printing

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 5xxie 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® DCP 100

Entry level, single- or double-sided, edge-to-edge Direct Card Printer with manual card feeding. It is the perfect solution for card printing beginners and low volume ID card projects.

EDISecure® DCP 240+

Desk-top, single-side, edge-to-edge Direct 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® DCP 340+

Desk-top, double-sided, edge-to-edge Direct 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.

PROFESSIONAL LINE



EDISecure® DCP 360i

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

EDISecure® XID 560ie

Single-side, over-the-edge Retransfer Printer, plus single-side lamination option. The full-color EDISecure® XID 560ie printer is suitable for superior print quality for high volume ID card projects with smart card personalization. It is ready for plug and play inline encoding and lamination.

EDISecure® XID 570ie

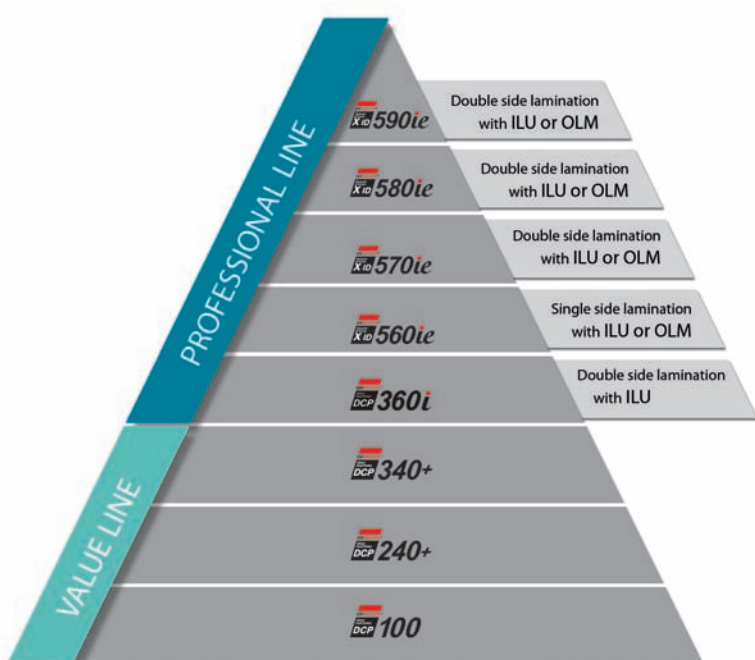
Double-sided, over-the-edge Retransfer Printer, plus single-side or double-side lamination options. It is ideally suited for superior print quality in high volume ID card projects. It allows printing as well as inline encoding of smart cards by using the Advanced Chip Encoding Framework.

EDISecure® XID 580ie

Double-sided, over-the-edge Retransfer 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 590ie

Double-sided, over-the-edge Retransfer 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 590ie 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 100	DCP 240+	DCP 340+	DCP 360i	XID 560ie	XID 570ie	XID 580ie	XID 590ie
Printing Technology	Direct-card	Direct-card	Direct-card	Direct-card	Retransfer	Retransfer	Retransfer	Retransfer
Resolution 300 dpi	●	●	●	●	●	●	●	●
Print Option	Single- or double-sided	Single-sided	Single- and double-sided	Single- and double-sided	Single-sided	Single- and 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	Over-the-edge	Over-the-edge
Print Speed (single-sided, full-color card)	Up to 100/h	Up to 160/h	Up to 190/h	More than 180/h	90/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	Manual	Auto	Auto	Auto	Auto	Auto	Auto and Manual	Auto and Manual
Card Thickness	0.51–1.02 mm	0.25–1.3 mm	0.25–1.3 mm	0.25–1.02 mm	0.25–2.0 mm	0.25–2.0 mm	0.25–2.0 mm	0.25–2.0 mm
Ribbon Portfolio	100 prints YMCKO 500 prints K	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 YMCKOK 2,200 prints K	1,000 prints YMCK 750 prints YMCKK	1,000 prints YMCK 750 prints YMCKK	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	1,000 prints
PC Interface	USB 1.1	USB 1.1	USB 1.1	USB 2.0	Ethernet + USB 2.0	Ethernet + USB 2.0	Ethernet + USB 2.0	Ethernet + USB 2.0
Magnetic Stripe Encoding	●	●	●	●	●	●	●	●
Contact Chip Encoding	–	–	–	●	●	●	●	●
Contactless Chip Encoding	–	–	–	●	●	●	●	●
Advanced CEF (Chip Encoding Framework)	–	–	–	–	●	●	●	●
Lamination Options	–	–	–	Single- and double-sided	Single-sided	Single- and double-sided	Single- and double-sided	Single- and double-sided
Lamination Modules	–	–	–	ILU	ILU and OLM	ILU, OLM, and DS OLM	ILU, OLM, and DS OLM	ILU, OLM, and DS OLM
Security Features	–	–	–	–	Security Erase, IPSEC	Security Erase, IPSEC	Security Erase, IPSEC, UV ink	Security Erase, IPSEC, UV ink
Printer Password	–	–	–	–	–	–	–	●
Printer Settings via Admin Center	–	–	–	–	–	●	●	●
EIP Enhanced Image Processing	–	–	–	–	–	–	●	●
Printer Look-Up Tables	–	–	–	–	–	–	●	●
Advanced IPM (Intelligent Printer Management)	–	–	–	–	–	–	–	●

● = available ● = optional (–) = not available

Digital Identification Solutions AG
Germany
Phone: + 49 711 341 689 - 0
Email: mail@digital-identification.com

Digital Identification Solutions Pte. Ltd.
Singapore 757718
Phone: + 65 6352 8364
Email: mail@sg.digital-identification.com

Digital Identification Solutions (Branch)
Dubai, United Arab Emirates
Phone: + 971 4 2045 316
Email: mail@uae.digital-identification.com

Digital Identification Solutions (Beijing) Co. Ltd.
P.R. China
Phone: + 86 10 6437 4376
Email: mail@cn.digital-identification.com

Digital Identification Solutions S. de R.L. de C.V.
México
Phone: + 52 442 2171 768 - 0
Email: mail@mx.digital-identification.com

Digital Identification Solutions LLC
United States of America
Phone: + 1 864 272 1199
Email: mail@us.digital-identification.com

vps ID Systems GmbH
Germany
Phone: + 49 7243 5488 - 0
Email: info@vps.de