XID8600

Print type	600 dpi	Distributed
Retransfer dye sublimation	Resolution	Issuance

Designed for ultra high-resolution secure card printing

Matica's **XID8600 is a premium quality printer**, perfectly suited for the most demanding ID card programs requiring high definition and high security printing. Its 600dpi printhead delivers **outstanding image quality** combined with **security printing**, including microtext and covert UV printing to increase the number of Visual Security Elements (VSEs) on the card.

Built on the established XID series print engine, the XID8600 is durable and reliable. This, in combination with its high security print options, large capacity ribbons (1000 images) and its ability to print on durable card materials such as PC and ABS, make it ideal for **high-volume secure government ID schemes**, including driver's licenses and national ID cards.

Standard features

125 cph	Print mode	Capacity
Full color	1 or 2 sided	200 / 100 Input / output

Ethernet	Printhead warranty	Warranty
	LIFETIME	3 YEARS

Optional features

Encoding	UV printing
Options	Option

Lamination	Bend remedy
Inline option	

XID8600 delivers...

- 600 x 600dpi dual-sided printing
- 200 card input feeder / output hopper
- Robust and durable print engine
- Consistent print quality on multiple card surfaces/materials
- High capacity consumables (1000 images)
- Security printing including microtext and UV
- Up to 125 cards per hour
- USB and Ethernet

Ideal for...

- Secure government ID card programs
- Increased card security
- Mid to high volume desktop issuance

XID8600

Tailored, secure retransfer printing

The **XID8600 can be customized** according to a project's precise requirements. Both internal and external modules can be added to suit the required usage. Since sophisticated ID card applications normally require personalization on both sides of the card, the standard XID8600 model comes equipped for **duplex printing**, due to the factory-fitted built-in flipper module. A 200-card feeder and output hopper (for cards with a standard thickness of 0.76 mm) is similarly integrated.

For **secure technology based cards**, an inline contact or contactless chip encoder, as well as a magnetic stripe encoder are also available. The XID8600 can be seamlessly connected to single or dual-sided **inline lamination modules** (Matica's ILM-LS or ILM-DS) to increase the durability and tamper-resistance of cards.

Printer specifications

Print technology
- Dye-sublimation, retransfer

Print resolution
- 600 dpi

Print area
- ISO CR-80, 85.60 x 53.98 mm

Print speed
- Color: Up to 125 cards per hour (single-sided)

Print mode
- Single and dual-sided

Communications interface
- USB 2.0, Ethernet

Printer security
- Support for Kensington® security lock

Printer dimensions (HxWxD)
- 343 x 322 x 360 mm / 13.5" x 12.7" x 14.2"

Weight
- 13.9 kg / 30.6 lb (excluding optional built-in items)

Power supply
- 220-240V/100-120V, 50-60 Hz
- Standby mode and reduced power consumption

Operating environment
- Temperature: 15°C to 30°C, 59°F to 86°F
- Humidity: 35% to 70% (non-condensing)

Storage conditions
- Temperature: 5°C to 70°C, 23°F to 158°F
- Humidity: 20% to 70% (non-condensing)

Certifications
- RoHs, CE, FCC, CQC, UL, WEEE, Proposition 65 (California, USA)

Warranty
- 3 years (subject to use of chromXpert® ribbons)
- Printhead: Lifetime warranty

Card specifications

Input hopper capacity
- 200 cards (0.76 mm / 30 mil thickness)

Output hopper capacity
- 100 cards, 100 reject bin

Card thickness
- 0.25 mm - 1.02 mm / 10 mil - 40 mil (Hopper adjustment required)

Card types
- ISO CR80, PVC, PVC-C, PET-F, PET-G, ABS, PC

Software specifications

XPS printer driver
- Windows® (32/64bit) 7, 8.1, 10, 11, Server 2012, 2016, 2019, 2022.

Options

Smart card / Contactless encoding
- Contact PC/SC, EMV compliant
- Smart contact station: ISO 7816-2
- ISO14443A, B, ISO15693, MIFARE®, DESFire®, HID iClass®

Magnetic stripe
- ISO 7811 HiCo/LoCo (factory fit only)

Lamination
- Inline single or dual-sided module

Consumables chromXpert

- To ensure print quality and card durability, printhead lifespan and overall printer reliability, use chromXpert ribbons only.
- Supply cores and cassettes are recyclable. Packaging is recycled.

ChromXpert™ ribbon program	Part No.
• YMCK (1000 prints)	Diamond: **PR000816**
• YMCKK (750 prints)	Diamond: **PR000817**
• YMCKUv (750 prints)	Diamond: **PR000813**
• K (2200 prints)	Diamond: **PR000815**
• YMCKPo (750 prints)	Diamond: **PR000818**
• RT film (750 prints)	Diamond: **PR000819**
• Cleaning Kit	**DIC10044**

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Authorized reseller / System integrator

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