

XID8600

Print type



Retransfer
dye sublimation

600 dpi



Resolution

Distributed



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.

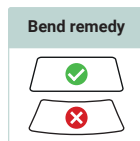
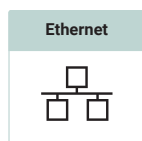
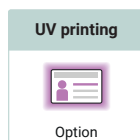
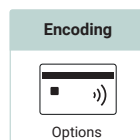
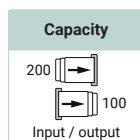
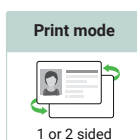
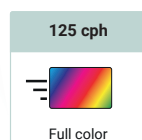
■ XID8600 delivers...

- ▶ 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

Standard features



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

K-Erase (anti-counterfeit used card protection)

- Securely removes black data from used supplies

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), Radio Equipment Directive (RED) (2014/53/EU)

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
- ISO 14443A, B, ISO 15693, 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



Global offices

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Asia: Malaysia

USA: South Carolina HQ, Minneapolis

Middle East: Dubai



Authorized reseller / System integrator

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XID8600 Datasheet A4 UK V7