P402i / P4000

Compact solution for secure distributed issuance of ePassports

Desktop ePassport printing and encoding

Designed to fit in any office environment, the Matica **P402i (P4000)** is a four color, secure desktop inkjet printer and encoder for machine readable ePassport booklets. Its state-of-the-art print engine can be combined with a **RFID ICAO 9303 compliant chip reader/encoder** and a high definition digital camera to provide governments and administrations with a leading desktop ePassport issuance solution.

Compact and easy to use, it has an advanced print engine architecture, specifically developed to ensure **high performance**, reliability and production efficiency.

It is available in two different configurations (pigmented ink and dyes). It uses a four color (CMYK) cartridge high speed thermal inkjet print engine, able to operate in two modes: text and photo. This speeds up the printing process whilst ensuring a high quality printed photograph.
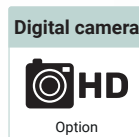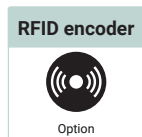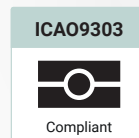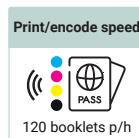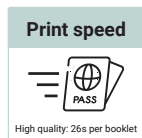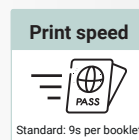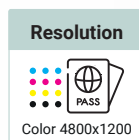
Its large cartridge capacity enables the issuance of up to **8,000 booklets** and prevents downtime during operation. Each page can be individually printed or can be personalized in pairs. Its quiet operation makes it the ideal solution for passport booklet issuance in any office environment. The graphical monochrome LCD user interface enables easy, user-friendly operation.

P402i delivers...

▸ Compact desktop design
▸ 4800 x 1200dpi resolution per color
▸ ICAO 9303 compliant
▸ Reliable and easy-to-use

Ideal for...

▸ ePassport issuance
▸ Travel visas
▸ Emergency passport issuance

Resolution	Resolution	Print speed
Color 4800x1200	Black 1200x1200	Standard: 9s per booklet

Print speed	Print/encode speed	Easy to use	ICAO9303
High quality: 26s per booklet	120 booklets p/h	Plug & print	Compliant

RFID encoder	Digital camera	Warranty
Option	HD — Option	1 year

P402i / P4000

Printer specifications

Print technology

4-color thermal inkjet printing

Print resolution

• Black: 1200 x 1200 dpi
• Color: 4800 x 1200 dpi per color

Booklet

• ICAO9303 compliant booklets
• Booklet page between 124.8mm to 125.2mm
• Up to 96 pages

Print speed

• Standard mode: <9s per booklet (1)
• High quality mode: <26s per booklet

Available inks

• Color: pigmented or dye ink: C, M, Y (1 cartridge per color)
• Black: pigmented ink: K

Cartridge capacity inks

• C, M, Y: 26ml
• K: 78.4ml
• One set of C, M, Y, K ink supplied with the printer

Ink storage / use conditions

12 months from manufacturing date (6 months after installation)

Print mode

Text and Photo mode aimed at speeding-up the printing process

Print and encoding speed

Up to 120 booklets per hour (sequential data page and chip personalization)

RFID reader/encoder option

USB 2.0 Full speed (12Mbps), USB CCID protocol, PC/SC 2.01ICAO 9303 compliant (MRTD), ISO1443 Part 1 to 4 Type A/B, T=CL and Mifare® Fixed antenna: encoding before/after printing

Automated reading process

Automatic booklet detection once inserted within the tray, allowing automatic clamping and then tray insertion

Vision option (data check)

• 2 Mpixels color CMOS sensor, fixed focus
• USB 2.0
• Offset registration, data capture (full page) and verification

User interface (LCD)

• Graphical monochrome LCD to manage daily operation and printer status
• Language selection: English, Spanish, German, French, Italian

Communications interface

USB 2.0

Printer dimensions (HxWxD)

26.5cm x 51.5cm x 52cm (10.43" x 20.26" x 20.47")

Weight

16 kg, 36 lb

Power supply

• 100-240V AC, 50-60 Hz
• Standby mode and reduced power consumption

Operating environment

 Temperature: 15ºC - 35ºC, 59ºF - 95ºF

Storage conditions

• Temperature: 20ºC to 70ºC, 4ºF to 158ºF
• Humidity: 20% to 80% (non-condensing)

Sound (ISO 9296)

Sound pressure less than 40dB (A)

Certifications

RoHs, CE, WEEE

Warranty

1 year (extended warranty options available)

Software specifications

Printer driver

Windows® (32/64bit) 7, 8.1, 10, 11

Integration tools

SDK including API and DLL for application software integration: printer, RFID, digital camera and illumination system. Programming language C#

Options

RFID

ICAO 9303 compliant RFID reader/writer

Camera

High definition digital camera

Consumables

Ink	Color	Fill level	Part No
Pigment	Cyan	26ml	PR23013800
Pigment	Magenta	26ml	PR23013801
Pigment	Yellow	26ml	PR23013802
Pigment	Black	78ml	PR23013803
Dye	Cyan	26ml	PR23013900
Dye	Magenta	26ml	PR23013901
Dye	Yellow	26ml	PR23013902

Global offices

Europe: Switzerland HQ, Italy, UK and Germany

Asia: Malaysia, China and India

USA: Minneapolis, South Carolina and San Francisco

Middle East: Dubai

Authorized reseller / System integrator