

## P402i

### DESKTOP INK-JET PASSPORT PRINTER

**Designed to fit in any office environment, the Matica P402i is a four-color highly secure desktop inkjet printer and encoder for machine-readable ePassport booklets. Combining state-of-the-art printing engine, RFID ICAO-9303 compliant chip reader/ encoder and a high-definition digital camera, the P402i provides governments and administrations with a leading-edge desktop ePassport issuance solution.**

Reliable and easy-to-use, the Matica P402i inkjet ePassport printer benefits from advanced printing engine architecture, specifically developed to ensure high performance, reliability and production efficiency.

Available in two configurations (pigmented ink and dyes), the P40i passport printer uses a four-color (C, M, Y, K) cartridges high-speed thermal inkjet printing engine, able to operate in two modes: text and photo mode aimed to speed up the printing process while ensuring a high quality printed photograph.

The large cartridge capacity allows issuing up to 8,000 booklets (average) and prevents downtime during operation, delivering up to 180 passports per hour. Each page can be individually printed, or personalized in pairs (printing, for instance, pages 2 & 3 in one pass).

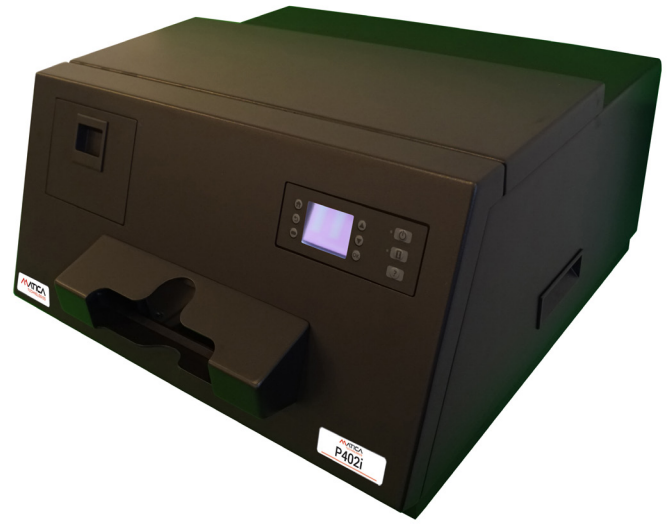
Encoding and data verification options allow RFID ICAO 9303 compliant chip encoding and

chip reading for data verification for ePassport issuance. The visual control is performed via data capture through a camera to allow data consistency check and data verification. Each booklet is automatically verified by the application before final human visual validation.

The P402i has an elegant and compact design. Its low noise level makes it the ideal solution for passport booklet issuance in any office environment. The graphical monochrome LCD user interface allows easy and friendly operation, allowing the adjustment of various settings.

- 2.400 x 1.200 dpi resolution per color
- Up to 180 passports per hour
- ICAO 9303 compatible
- Reliable and easy-to-use

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## TECHNICAL SPECIFICATIONS

<b>Print technology</b>	4-Color thermal inkjet printing	<b>Vision option (data check)</b>	2 Mpixels color CMOS sensor, fixed focus USB 2.0 Offset registration, data capture (full page) and verification
<b>Print Resolution</b>	Black: 1200 x 1200 dpi Color: 2400 x 1200 dpi per color	<b>User Interface (LCD)</b>	Graphical monochrome LCD to manage daily operation and printer status. Language selection: English, Spanish, German, French, Italian
<b>Print mode</b>	Text and Photo mode aimed at speeding-up the printing process	<b>Connectivity Interface</b>	Single connection, USB 2.0 B-type Internal USB Hub (all slots allocated) USB cable, 1.8 meter length supplied Optional Ethernet 100BaseT
<b>Print speed</b>	Up to 180 booklets per hour <sup>(1)</sup>	<b>Operating System</b>	Windows 10 (32 & 64 bits)
<b>Print and encoding speed</b>	Up to 120 booklets per hour <sup>(2)</sup> (sequential data page and chip personalization)	<b>Device integration</b>	SDK including API and DLL for application software integration: printer, RFID, digital camera and illumination system. Programming language C#
<b>Booklet</b>	ICAO9303 compliant booklets Booklet page to remain between 124.8mm to 125.2mm From 24 up to 96 pages <sup>(3)</sup>	<b>Printer dimensions (HxWxD)</b>	26.5cm x 51.5cm x 52cm (10.43" x 20.26" x 20.47")
<b>Available inks</b>	Pigmented Ink: C, M, Y, K (standard version) One cartridge per color C, M, Y, K	<b>Weight</b>	16 kg. (35.27 Lbs)
<b>Cartridge capacity inks</b>	C, M, Y: 26ml K: 78.4ml One set of C, M, Y, K ink supplied with the printer	<b>Power Supply</b>	100-240V AC (+/- 10%), 4 A, 50-60 Hz
<b>Printing Head</b>	Hot swap replacement printing head, independent from the ink cartridges	<b>Operating Environment</b>	Temperature: 15°C - 35°C (59°F - 95°F)
<b>RFID reader/encoder option</b>	USB 2.0 Full speed (12Mbps), USB CCID protocol, PC/SC 2.01 ICAO 9303 compliant (MRTD), ISO1443 Part 1 to 4 Type A/B, T=CL & Mifare Fixed antenna: encoding before/after printing	<b>Storage Conditions</b>	Temperature: -20°C to 70°C (-4°F - 158°F) Humidity: 20% - 80% (non-condensing)
		<b>Ink storage and use conditions</b>	12 months from manufacturing date (6 months after installation)
		<b>Quality Standards</b>	WEEE, RoHS, CE
		<b>Noise Level</b>	ISO9296. Best mode:LwAd 5.3 B(A) Sound pressure: LpAm 39.6 db (A)
		<b>Warranty</b>	12 months. (warranty extension on request)

<sup>(1)</sup> Page-2 printing depends on chip characteristics and chip management application

<sup>(2)</sup> Sequential data page and chip personalization ICAO page-2 printing time: approx. 6.5 sec. - printing only without booklet handling

<sup>(3)</sup> Sample may be requested by the production team to adjust the device according to the booklet characteristics (subjected to a number of units)



- Passport
- ePassport issuance
- VISA

Authorized Reseller / System Integrator