

DILETTA 810i

Inkjet ePassport Printer with *Pigment Inks*



Features:

Full Front Operation

for convenient passport handling

Auto Print Head Alignment

for excellent print quality of holder's photo, data and MRZ

Patented Passport Transport

Imprints every page of a 4 up to 96 pages passport

Separately replaceable ink tanks

Total capacity: 150 ml (pigment inks)

Full Metal Housing

for highest durability and electromagnetic shielding

PCL 3 Language

for highest compatibility with every operating system

High Economic Ink

With less ink consumption and faster dry time

Incredible Print Speed

Only 9 seconds per ICAO page

Low costs of maintenance

Good accessibility to all components

Optional Hardware:

Integrated OCR Reader

for recognition of pre-printed serial no

Integrated Barcode Reader

for recognition of pre-printed serial no

Integrated RFID System

for e-passports reading and writing



with
Pigment
Inks



A new colour solution for passport offices

At DILETTA our job is to make colour printing ever more convenient and fast. With this foremost in mind, we have designed a revolutionary passport printer that opens up a totally new realm for passport office colour printing - the new DILETTA 810i passport printer.

Despite its remarkably low price and compact size, it has various functions that meet or exceed all expectations. It features super high-speed passport printing with the utilization of a wide 0.85-inch print head for a maximum 2400 dpi, high-quality image, plus space-saving design with convenient front operations. It also provides super low running costs and maintenance-free operation. The DILETTA 810i is fully expressive and able to meet on-demand needs quickly and effortlessly.

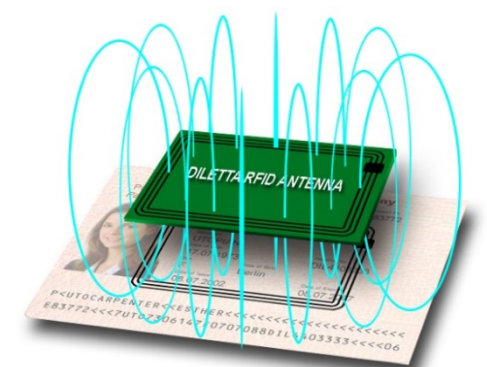
This is truly the colour passport solution for today's passport printing office.

Automatic Print-Head Alignment

Over the years the print quality of inkjet printers and the resolution of the print heads became higher and higher. But the print quality is worse if the print heads are not perfectly aligned.

Print Head Alignment adjusts differences in the print head position and corrects horizontal and vertical shifts when printing passport photos, holder's information and machine readable lines.

The DILETTA 810i comes with an automatic print head alignment tool which enables the operator to align/calibrate the new print heads easily at installation by just inserting a white sheet of paper in passport size into the printer's passport tray and by starting „Auto-Alignment“. Then the printer automatically starts the procedure by printing various lines onto the paper and evaluates the best values with its integrated high resolution sensor installed at the print head carrier. These values are stored and therefore the alignment only needs to be carried out at installation of new print heads.



Ultra-fast, superior quality results. The new generation in passport printing

Maintenance-Free

Gone are the days when the passport office experiences downtime due to periodic printer maintenance and parts replacement. Thanks to its revolutionary design, the 810i series comes with a complete passport surface contactless and maintenance free passport transport system - patented by DILETTA.

The advantages are:

- No reduced print quality after a period.
- No additional service and maintenance costs.
- No ink stained or damaged documents
- No misaligned imprint

Both the main printer unit and print head are incredibly durable, so changing one of the individual ink tanks is all you will ever likely need to do. However, telephone support is included in the price while optional 'return to base' service and on-site support is also available when you need it – if you need it.

Cost saving individual high-capacity ink tanks

The DILETTA 810i comes standard with 150 ml high capacity pigment ink tanks (66 ml for black and 28 ml for each colour ink tank), allowing them to easily cope with large volume printing demands. The individual tanks eliminate ink wastage and make running costs extremely economical for both mono and colour prints.

Integrated RFID Reader / Writer (optional)

You can equip your DILETTA 810i passport printer with the integrated contactless chip reader / writer. So you can read and write in one pass the holder's information during the print process. The module supports all ISO 14443 type A and B chips with a transfer rate up to 848 kBit/s on Air Interface.

Integrated Camera System (optional)

A camera system (camera and LED lighting) is optionally integrated into the DILETTA 810i passport printer. This enables to print the MRZ-lines exactly to the page edge and the personal data to an existing caption. Accuracy: < 0.1 mm

Perfect for each Passport Office Environment

Designed with the passport office in mind, the 810i takes up very little vertical space. Thanks to flat construction, convenient passport loading in front of the machine and a small, easily accessible control panel, it makes very effective use of limited office space. Even noise levels have been taken into consideration.

Design and specifications are subject to change without notice.
DILETTA does not assume any liability for completeness or accuracy in form and contents.

Technical Specification

Dimensions

Width x Depth x Height 500 x 530 x 210 mm
Weight..... approx. 15 kg

Printer driver

Windows 7 (32 & 64-Bit Versions) yes
Windows XP and Vista yes
Mac OSX..... with generic PCL3 driver
Linux with generic PCL3 driver

PDL / Language

HP PCL 3 Enhanced..... yes

Interfaces

USB 2.0 (Universal Serial Bus)..... yes
10/100Base-TX Ethernet LAN adapter..... yes

Electronic

CPU MIPS 5KF 64-bit, 300 MHz
RAM 32 MB
ROM..... 16 MB

Media (ICAO Doc. 9303 part 1)

Machine Readable Passports (with max. 96 pages) yes

Printing time per MRP 2,3) (incl. 2D barcode & captions)

Standard Print Mode 9 - 26 sec.
High Quality Print Mode 14 - 30 sec.

Resolutions

Monochrome up to 1200 x 1200 dpi
Colour up to 4800 x 1200 dpi

Print Head

Nozzles for black / yellow2112 nozzles
Nozzles for magenta / cyan2112 nozzles

Ink Tank Capacity

DC-800BK Black Ink Tank (pigment)..... 66 ml
DC-810C Cyan Ink Tank (pigment) 28 ml
DC-810M Magenta Ink Tank (pigment) 28 ml
DC-810Y Yellow Ink Tank (pigment) 28 ml

Noise

Printing (HQ) 46 dB
Stand-by..... 30 dB

Operating Environment

Temperature 5 to 35°C (40 to 95°F)
Humidity 10 to 90% RH with no condensation

Power

Input Voltage..... 100 to 240 VAC, 50 / 60 Hz

Power Consumption

Active 28 W
Stand-by..... 6 W
Switched off 0.4 W (110V) - 0.6 W (240V)

DILETTA ID-Systems

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