

DILETTA 600i

Inkjet Passport Printer with integrated **RFID Reader**



Features:

Full Front Operation

for convenient passport handling

High Security Ink

for excellent print quality on every security paper

Patented Passport Transport

Imprints every page of a 4 up to 96 pages passport

Separately replaceable ink tanks

Total capacity: 150 ml

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 RFID System

for e-passports reading and writing

Integrated OCR or Barcode Reader

for recognition of pre-printed serial no

Integrated MRZ QA Reader

for reading of machine readable lines



References
in more than
one hundred
countries



A new colour solution for passport offices

At DILETTA our job is to make colour printing evermore 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 600i 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 600i is fully expressive and able to meet on-demand needs quickly and effortlessly.

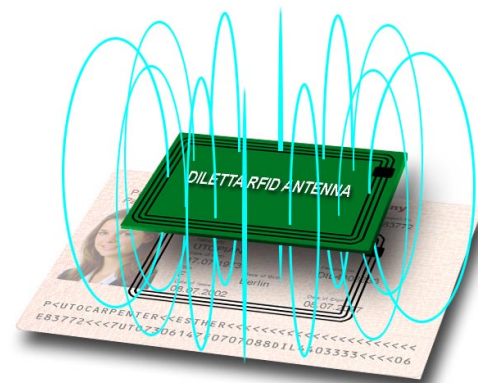
This is truly the colour passport solution for today's passport printing office.

Exceptional speed

The DILETTA 600i produces mono and colour prints at outstanding speeds, using impressive technology that combines bi-directional printing, high speed passport feeding for passports up to 96 pages and state-of-the art print head design. Standard ICAO passport pages are printed at 14 - 24 seconds in 'high quality' mode and approx. 9 - 20 seconds in 'standard' mode in continuous print mode.

With precision comes quality

The DILETTA 600i uses two revolutionary 0.85-inch wide print head to fire tiny ink droplets only 6 picolitres in size, with remarkable precision. With a high-density design of 1200 nozzles / inch that uses 4224 individual ink nozzles for colour printing, the 600i produces consistent, high quality results. The printer automatically selects optimal image resolutions (maximum of 1200 x 1200 dpi for mono and 4800 x 1200 dpi for colour), making it simple to get exceptional print quality each time. Bright, fade resistant ink is also used to ensure prints last longer.



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 600i 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 600i comes standard with 150 ml high capacity 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 600i 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 600i 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 600i 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 2000, 2003, XP and Vista yes
Windows 95 / 98 / ME / NT with generic PCL3 driver
Mac OSX with generic PCL3 driver
Linux with generic PCL3 driver

PDL / Language

PCL3 GUI 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

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 / yellow 2112 nozzles
Nozzles for magenta / cyan 2112 nozzles

Ink Tank Capacity

DC-150BK Black Ink tank 66 ml
DC-150C Cyan Ink Tank 28 ml
DC-150M Magenta Ink Tank 28 ml
DC-150Y Yellow Ink Tank 28 ml

Noise

Printing (HQ) 46dB
Stand-by 30dB

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

Maximum 180 W
Active 54 W
Stand-by 9 W
Switched off 0.15 W (110V) - 0.75 W (240V)

DILETTA ID-Systems

Adam-Opel-Strasse 6 • D-64569 Nauheim • Germany
Phone: +49 / 6152 / 1804 - 0 • Telefax: +49 / 6152 / 1804 - 22
E-Mail: info@diletta.com • Internet: www.diletta.com