



eP600

TOPPAN

200402



ePASSPORT PERSONALIZATION SOLUTION

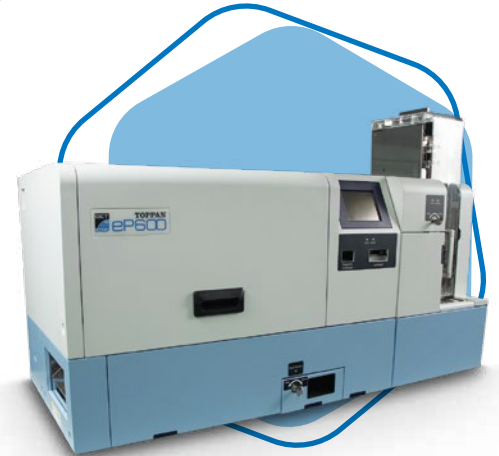
GET Group's end-to-end ePassport issuance solution covers the complete issuance lifecycle. The solution offers reverse retransfer printing using pigment inks at a resolution of 600dpi for the personalization of the ePassport datapage, in addition to other printing techniques for the personalization of the observation page. Passports issued using this solution are protected against tampering and forgery attempts with overt, covert, forensic and tactile security features available to issuing authorities on demand. Additionally the solution supports the personalization of paper and polycarbonate passport books.

The GET Toppan eP600 ePassport System is the latest addition to the Toppan family of thermal retransfer passport systems exclusively available from GET Group.

Using high-resolution, 600dpi solid pigment ink ribbon technology, innovative retransfer printing and built in, multi-layer advanced security, the GET Toppan eP600 Passport System personalizes an ePassport with the performance and durability that governments require all in a fast and easy-to-deploy solution.

As threat levels escalate and authentication of ePassports becomes even more critical, governments trust GET Group solutions to produce the highest quality, secure and reliable documents.

UNSURPASSED QUALITY IN PASSPORT PRODUCTION



Fast, One-Step ePassport Personalization

Using the eP600 Passport System, governments can personalize a complete ePassport in less than 40 seconds including RFID encoding, text, color photo, UV Personalization, Lamination, QA and the latest enhanced security features.

Superior Quality Personalization

Advanced 600dpi resolution, combined with the unique solid pigment ink ribbon and retransfer printing ensure high quality images, text and security features. Compared with other systems, Toppan's 600dpi retransfer printing technology produces ePassports that are that most resistant to color fading.

Robust Modular Design

The eP600 Passport System is designed for high-volume ePassport personalization. The eP600 features up to three automatic book feeders that support different passport types and book thicknesses. Other modules, such as Book Opener and Quality Assurance (post printing), can be added to the printer depending on customer requirements.

Full System Security

The eP600 Passport System incorporates a full range of system security capabilities and an easier to use interface. Unique user access numbers, fingerprint, and contact smart card authentication are standard features on all eP600 Passport Systems. An electro mechanical for the machine's cover and lockable keys for book feeders help ensure the security of the film, ink ribbon and blank books. Internal counters, one of which can be reset, track the number of books being printed. The user interface features is an attractive color touch screen that displays messages at all stages of production so that the user can track book and consumable status at any point in the process.

ePassport Printer Features



01



Technology

- Thermal Retransfer
- One step ePassport Personalization
- Data & Chip verification

02



Quality

- 600 dpi, Pigment Ink
- 10 years resisting to fading
- Unified Printing Quality
- Quality Consistency

03



Security

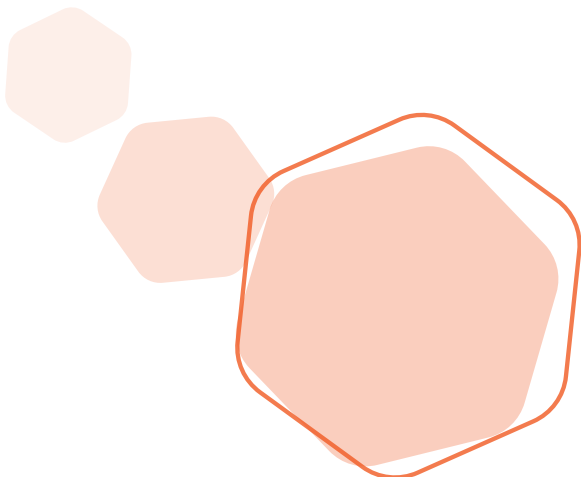
- Secure film –EDE Crystagram
- Patented Pigment ink
- Forensic dot-on-dot image structure
- UV Printing
- Locking Mechanisms
- Secure Supply Chain

04



Flexibility

- Centralized & decentralized
- Manual/Automatic
- Up to 3 feeders/Passport types
- Tolerate different work loads & environments
- Automatic 100 book stacking



Specifications

- ▷ **Print Method:**
Retransfer
- ▷ **Resolution:**
600 dpi
- ▷ **Print Speed:**
40 seconds
- ▷ **Passport Types:**
MRP: Machine Readable Passport
ePassport: Electronic Passport
- ▷ **Integrated rear CCD camera:**
Built-in QA module for MRZ-data validation.
- ▷ **Passport Loading:**
Three automatic lockable book feeders can be added per system
- ▷ **RFID Chip Encoding/Verification Module:**
For online ePassport personalization
- ▷ **Built-In Camera:**
Automated OCR of document number verification prior to personalization
- ▷ **Datapage:**
Paper-based and Polycarbonate-based datapages.
- ▷ **User Interface:**
Color LCD touch panel with new system interface allows for easier diagnostics and additional language support
- ▷ **Consumables:**
 - Solid pigment ink ribbon
 - Crystagram film
 - Removable cartridges on unidirectional spindles allow for easy reload of ribbon and film rolls
- ▷ **Reject Tray:**
Automatically separates rejected books due to chip failure and books that do not meet quality standards
- ▷ **Communication Interface:**
USB and Ethernet
- ▷ **Compliance:**
RoHS, FCC and CE compliant

GET ePassport Issuance Software (SDIS)

A set of management services to control, secure, and streamline the issuance of secure documents for any production environment, governments can manage and control all aspects of the document issuance cycle, starting with registration requests and ending with document delivery. Ensure high production efficiency and reduced overhead.



eP600 SDK

eP600 SDK is a powerful library that provides a framework required to build and customize a secure client issuance application utilizing eP600 as a personalization solution. It enables effective communication for monitoring and control of all the printer's functions and operations allow authorities to design and customize their production workflow, dashboard and reporting.

Through the SDK architecture, the client will have various options to control all aspects of the personalization process, such as:

- ▷ Feeding
- ▷ Integrated recognition of the pre-printed passport number
- ▷ Encoding
- ▷ Printing
- ▷ QA and MRZ capturing



WHY GET GROUP

