GET GROUP

eP600LE

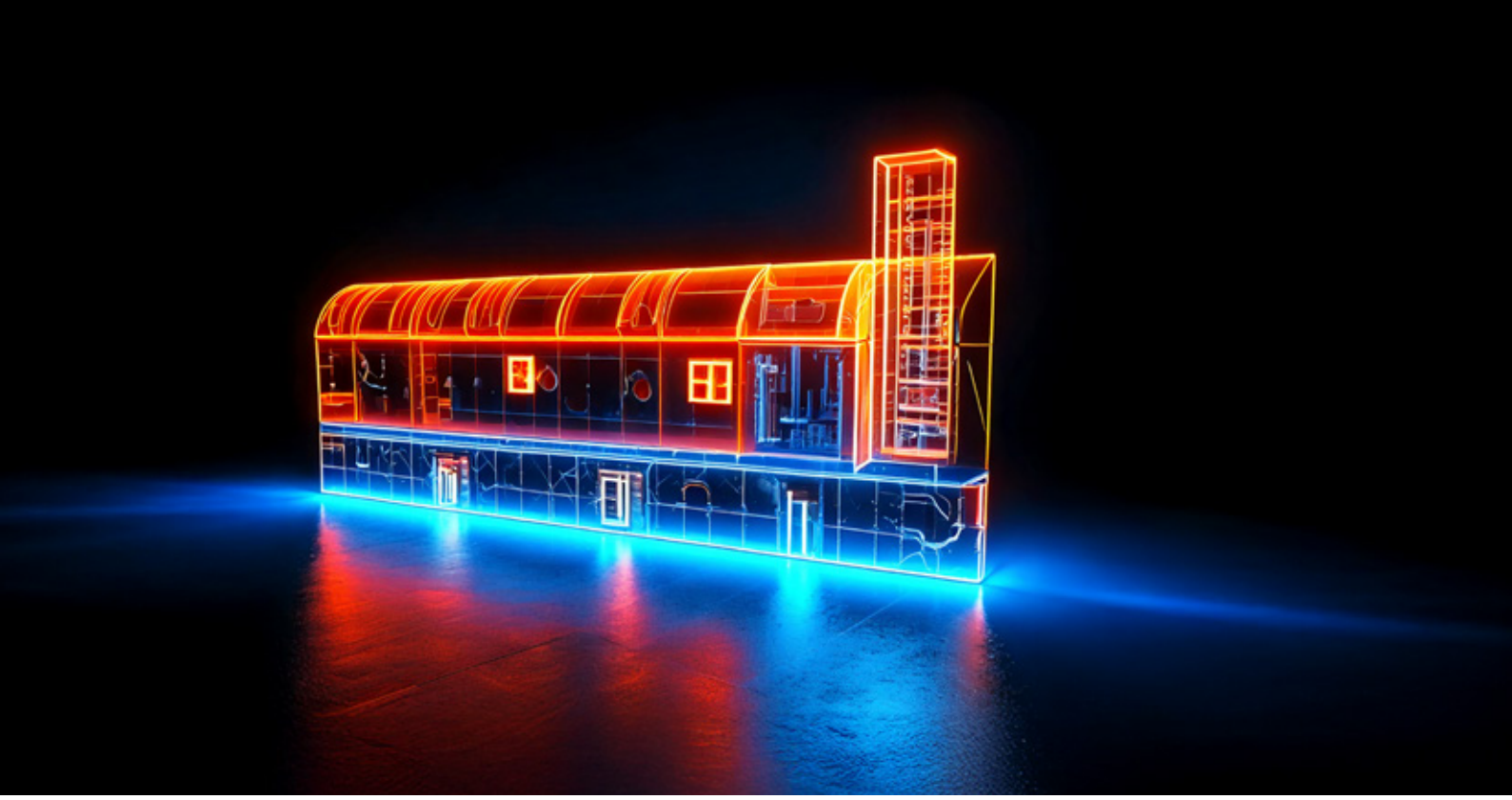
TOPPAN

eP600LE

UNIQUE COLOR PHOTO THROUGH LASMENT HYBRID TECHNOLOGY

The eP600LE is the ultimate printing and personalization machine that utilizes state of the art LASMENT technology, which merges top class polycarbonate laser engraving with the unique color pigment ink thermal-retransfer.

www.getgroup.com



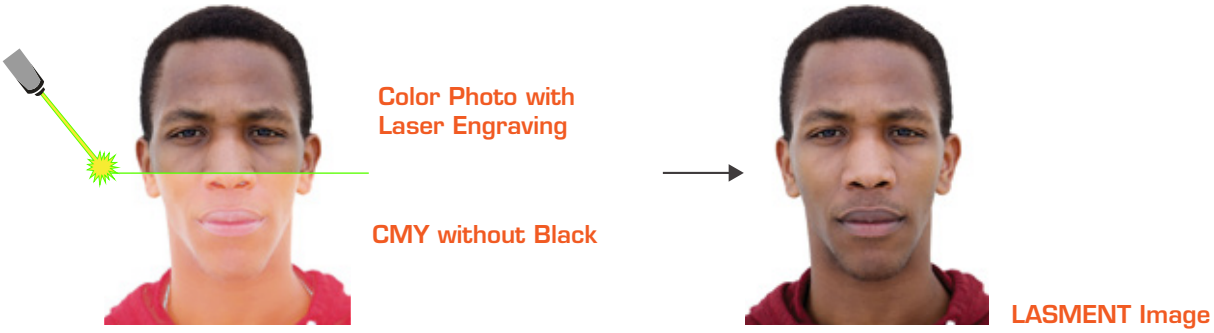
COMBINATION OF COLOR PHOTO WITH LASER ENGRAVING

ePGOOLE solution for PC-based ePassport personalization utilize LASMENT hybrid image technology using secure and non-commercial retransfer printing with laser engraving. The breakthrough technology further taking the security of ePassports to a higher level where fraudsters will need to deal with the complexity of the printing techniques and mastering the proprietary image processing algorithms of photo separation, merging and perfect registration.

THE LASMENT TECHNOLOGY

GET Group LASMENT technology innovates high quality print color photo with polycarbonate datapage, powered by special color pigment ink with laser engraving, the laser smoothly bypasses the pigment particles to form an underneath monochrome image achieving the highest level of image resolution and protection.

LASMENT technology empowers personalized booklets with unique and superior features taking advantages of combining the fade resistance of pigment ink and outstanding durability of laser engraving producing polycarbonate passports that are fully compliant with ISO/IEC 18745-1.

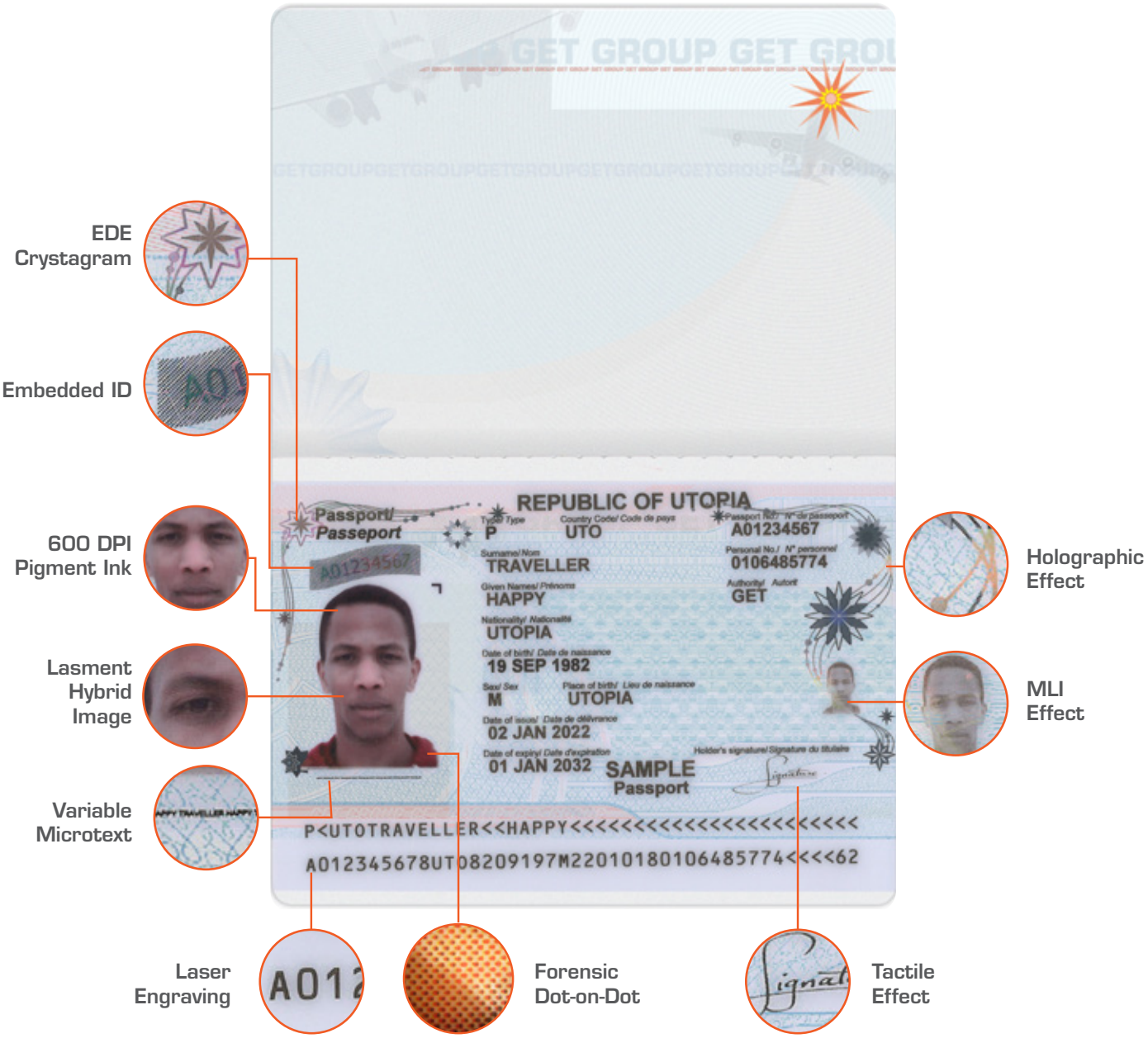


LASMENT technology use an innovative image processing algorithm to produce a portrait image constructed of dot-on-dot forensic pigment ink with laser engraving for phenomenal visualization of passport data and image. Hence, LASMENT personalization method ensured that the document's security and durability aspects are thoroughly applied.

Passport Sample

The latest eP600LE solution that perfectly meets governments high expectations and more.

PC-BASED DATAPAGE



Solution Features

Inline secure personalization

An Integral and uninterrupted personalization process capable to perform a single step automated operation for feeding, number recognition, encoding, color printing, laser engraving and QA establishing the best practices for the production flow.

Printing Quality

Using the eP600LE, governments can produce full-color images at the high printing resolution of 600dpi in a cost-effective manner. Using LASMENT technology on the robust and stable polycarbonate substrates offers a superior alternative to the monochrome laser-marking of polycarbonate datapages.

Security

eP600LE delivers one of the most secure ePassports to date; where all durability, quality and anti-fraud measures are embedded on the datapage. reinforces the existing security of polycarbonate materials by adding a range of tamper-proof optical security features:

- Hybrid Image
- Dot-on-dot printing
- Embedded ID
- Crystagram Optical Security
- Personalized Microtext
- Personalized UV
- Clear Window
- Tactile effect
- MLI

eP600LE also helps secure the image and data against post-personalization alteration through the applied secure film.

Integrated QA

eP600LE has been empowered with an automated checks of document production standards adopting an integrated QA functionality for the personalized ePassport, facilitate easier approach of ePassport checking.

UV Personalization

eP600LE solution uniquely offers customized variable UV printing clearly visible under UV light, contributes to reviving one of the most important missing security features with conventional monochrome laser engraving.

Simple & Easy authentication

The LASMENT image of the document holder, Optical Security, Personalized UV and other Polycarbonate based features facilitate easy verification and extremely difficult to reproduce the ePassports.

Solution Technical Specifications

Printer	Thermal Retransfer Technology
Laser	10W DPSS Laser Type
Ink	Solid Pigment Inks
Color	Up to 16.7 million colors - Color: 256 steps (Image) - Monochrome (Text) (Image) - UV: 256 steps (Image)
Batch Speed	50 ePassport/Hour
Marking Speed	Text: 900m/s, picture: 900m/s
Character Quality	1 mm font size
Color Image Quality	600dpi
Laser Image Quality	1200dpi
Encoding Options	ISO14443 A/B contactless chip
Media Size	ISO 7810 ID-3 size
Media Material	Polycarbonate and other laser composite
Options	- MLI - Camera Auto-positioning - Automatic Character recognition system - Input Hopper Lock - Integrated QA for chip data
Display	Full Color LCD screen
Input Hopper	Up to 3
Hopper Capacity	Up to 100 ePassports
Lock Mechanism	Yes
Operating System	Windows® 7(32/64Bit), Windows® 8, Windows® 10
Connectivity	USB 2.0, Ethernet LAN
Printer Standards	RoHS, FCC and CE
Laser Standards	CE
Power Supply	AC 100 to 240V 50/60Hz automatic switching
Laser Power Consumption	0.3kW
Operating Environment	Temperature 15 to 30 ° C / Humidity 20% RH to 80% RH Recommended, 25° C
Dimensions	175cm x 67cm x 55cm (W x D x H)
Warranty	1 year

RELATED PRODUCTS

eP600LE SDK

▷ eP600LE SDK is a powerful library that provides a framework required to build and customize a secure client issuance application utilizing eP600LE 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.

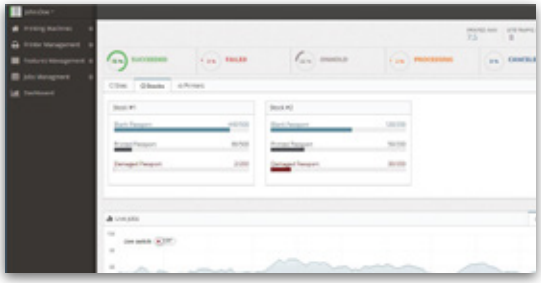
GET ePassport issuance software SDIS

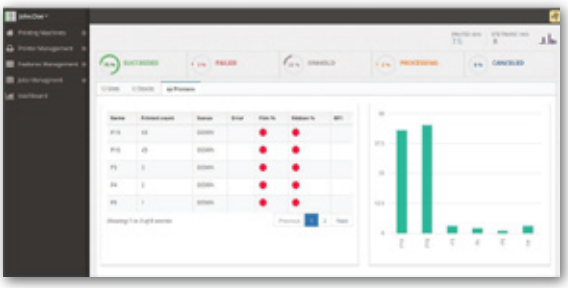
A set of management services to control, secure, and streamline the issuance of secure documents for any production environment, governments can manage and control all aspects of the document issuance cycle, starting with registration requests and ending with document delivery. Ensure high production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

GET Spooler Application

The eP600LE Spooler is a real-time web-based application for print-job distribution and queue management. It is used in centralized issuance environments to facilitate batch printing.

The spooler connects multiple eP600LE printers in a print farm, whether they are connected locally or remotely & handles job distribution based on several criteria that can be set by the client.





EVENTS MADE TO GO GLOBAL

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700+
Field Experts

2B+
Secure IDs Issued Worldwide

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ISO 9001:2015 MANAGEMENT SYSTEM MSECB CERTIFIED

14+
Regional Offices

40+
Years of References and Partnerships