e-Passports issuance

3rd page inkjet printing

Non-standard or occasional formats (ID-2, ID-1, tags)

Decentralized issuance

Cluster centralized issuance

IXLA
ID LASER SYSTEMS

Laser and Inkjet Perso Systems for Government and Payments

XJ upgrades the standard features of XP range with inkjet printing on paper, to allow adding information on 3rd page in a single pass.

XJ is IXLA's desktop product range for e-Passport personalization, designed for decentralized issuance. Thanks to its proven, outstanding reliability, **XJ** can be also installed in "clusters" of systems, to create redundant and scalable centralized solutions.

The **XJ** system provides IXLA's renown quality of laser engraving, including special features like tilted engraving, clear windows, tactile, microtext, and high yield chip encoding. It is equipped as standard with high resolution vision system for accurate graphics positioning and quality control, while the tray-based transport system avoids scratches on passport cover and datapage, allowing to automatically handle up to 20 passports with the ability of adding more during processing.

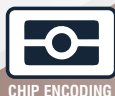Choice of encoding engines, including VHBR, and dedicated antenna positioning.

XJ
PASSPORT PERSONALIZATION PRINTER

LASER MARKING   COLOR PRINTING   CHIP ENCODING   OCR, XY reg.   MRZ QC

Desktop Laser and Color e-Passport Printer

XJ

IXLA
ID LASER SYSTEMS

COLOR PRINTING
Color Printing

6-color thermal inkjet printing Print resolution Up to 4,800 dpi Available inks Dye Ink, pigment:
- CMY tri-color dye ink cartridge
- K monochrome pigmented ink cartridge

Cartridge capacity Up to 2,000 booklets (CMY + K)

LASER MARKING
Laser Marking

All IXLA systems allow the engraving of photos and personal data on the front side of the datapage
Laser type options:
- High Definition (HD) with DPSS Diode Pumped Solid State
- High Performance (HP) with Fiber Laser

Personalization Features:
- Main portrait picture
- Ghost image
- Indent or Emboss Tactile effect
- Microtext
- Clear Window

CLI / MLI
CLI/ MLI

Mirror CLI-MLI

CHIP ENCODING
Contactess encoding

A complete «over IP» HW and SW solution with multitask distributed object oriented operating system. This device is the most optimized solution no matter the number of heads. Also supporting VHBR or a point to point connection, PC/SC including the complete mifare family.

OCR, XY reg.
Vision System

The integrated vision tools allow pre-personalization product inspection, quality control, barcode reading, offset registration of laser engraving data, OCR/OCV verification of personalized data.

MRZ QC

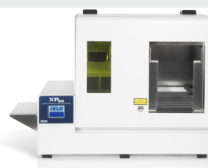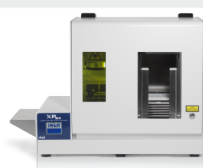MRZ quality control and distance verification

IXLA	UTOPIA			
	Type P	Country code UTO	PAssport Number IX1234567890	

Surname **WOLF**
Surname **ELISE**
Nationality **UTOPIAN**
Date of Birth 01/02/1986
Sex F
Date of issue 01/02/2022
Date of expire 01/02/2022

CLI-MLI
Personal No.
Place of Birth UTOPIA CITY
Authority UTOFFICE
Holder's Signature *EliseWolf*

```
P<UTOWOLF<<<ELISE<<<<<<<<<<<<<<<<<<<<<<<<<<<<
L868602C36UT07408122F1204159ZE184226B<<<<10
```

	XP24	XP25	XJ
Laser Type	DPSS or Fiber Laser up to 20 Watts	DPSS or Fiber Laser up to 20 Watts	DPSS or Fiber Laser up to 20 Watts
Passport types	Polycarbonate	Polycarbonate	Polycarbonate, Paper
Passport Hoppers	20 Booklets	20 Booklets	20 Booklets
Passport Output stacker	Optional	Optional	Optional
Inspection window	Yes	Yes	Yes
Print mode	High Performance Fiber Laser High Definition DPSS Laser	High Performance Fiber Laser High Definition DPSS Laser	High Definition or High Performance Laser Secure inkjet printer
XY Offset registration	Yes	Yes	Yes
RFID Chip encoder	Yes	Yes	Yes
Throughput (cph)	60-100	60-100	50 - 80
Vacuum system	Included	Included	Included
OCR barcode reader	Optional	Optional	Optional
CLI-MLI	Yes	Yes (mechanical tilting)	Yes (on demand)
Software	AIDA Machine & Perso controller	AIDA Machine & Perso controller	AIDA Machine & Perso controller
Dimensions (D x W x H)	66 x 44 x 56	66(77) x 46 x 56	65 x 64 x 48
Weight	52	60	58

ISO 9001
BUREAU VERITAS
Certification