Laser + DoD

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
part of HID

LASER and INKJET PERSO SYSTEMS for GOVERNMENT and PAYMENTS

XPrint enhances the standard features of the XP range by incorporating inkjet printing on both paper and polycarbonate using a highly advanced and exclusive inkjet printer module based on drop-on-demand (D0D) technology. This printing method accurately releases individual ink droplets onto a surface only when required, resulting in high-quality, effective, and durable printing on any surface.

IXLA's **XPrint** desktop product enables decentralized e-Passport personalization. It is high reliable and can be installed in clusters to create scalable centralized solutions.

The **XPrint** system is the ultimate solution for laser engraving with its exceptional capabilities. It can easily perform tilted engraving, clear windows, tactile, microtext, and high yield chip encoding. Its high-resolution vision system combined with the tray-based transport system ensures precise graphic positioning and quality control. **XPrint** can handle up to 30 passports with the option to add more during processing, keeping passport covers and data pages scratch free throughout the entire process. Choice of encoding engines, including VHBR, and dedicated antenna positioning.

XPrint
PASSPORT PERSONALIZATION PRINTER

| LASER MARKING | COLOR PRINTING | CMY and K LASER | MLI | CHIP ENCODING | OCR, XY reg. | MRZ QC |

Desktop Laser and Color e-Passport Printer

IXLA
ID LASER SYSTEMS
part of HID

Color Printing

DoD Printing: High Flexibility, Low Costs
Nozzle Resolution: 600dpi native, printing resolution up to 1,200dpi
Print Mode: 4 ink channels (Standard YMCK, YMC+Varnish or YMC+Fluo); on demand 8 channels mode
Black printing by laser or high quality YMC ink composite

COLOR PRINTING

Laser Marking

All IXLA systems allow the engraving of photos and personal data on the front side of the datapage.
Laser type: Fiber Laser.

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

LASER MARKING

MLI

Mirror MLI.

MLI

Contactless encoding

A complete «over IP» HW and SW solution with multitask distributed object oriented operating system. Also supporting VHBR or a point to point connection, PC/SC including the complete mifare family.

CHIP ENCODING

Laser protected image, black and greytones on the color picture are permant laser engraved.

CMY and K LASER

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.

OCR, XY reg.
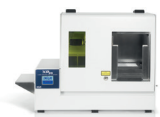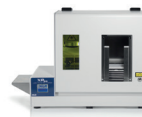
MRZ quality control and distance verification.

MRZ QC

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
Personal No.	
Place of Birth	UTOPIA CITY
Authority	UTOFFICE
Holder's Signature	EliseWolf

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

	XPrint	XP24	XP25
Laser Type	Fiber Laser	DPSS or Fiber Laser	DPSS or Fiber Laser
Passport types	Polycarbonate, Paper (ink only)	Polycarbonate	Polycarbonate
Passport Hoppers	30 Booklets	20 Booklets	20 Booklets
Passport Output stacker	Optional	Optional	Optional
Inspection window	Yes	Yes	Yes
Print Mode	High Performance Fiber Laser combined with DOD Printing on Polycarbonate or paper up to 1,200dpi	High Performance Fiber Laser High Definition DPSS Laser	High Performance Fiber Laser High Definition DPSS Laser
XY Offset registration	Yes	Yes	Yes
RFID Chip encoder	Yes	Yes	Yes
Throughput (cph)	50-80	60-100	60-100
Vacuum system	Included	Included	Included
OCR barcode reader	Optional	Optional	Optional
CLI-MLI	Yes	Yes (mirrors)	Yes (mechanical tilting)
Software	AIDA Machine & Perso controller	SKD and i3 web app	SKD and i3 web app
Dimensions (D x W x H)	110 x 63 x 60 (cabinet excluded)	65 x 43 x 55	66 (77) x 46 x 56
Weight (Kg)	203	52	60

HEADQUARTERS, ITALY
IXLA s.r.l.
Tel. +39 0125 719286
Email: info@ixla.it – www.ixla.it

U.S.A.
IXLA LLC, Main Office
Tel. +1 864 236 8979
Email: contact@ixla-usa.com

ASIA PACIFIC
IXLA PTE Ltd
Tel. +65 8120 7925
Email: info@ixla.it – www.ixla.it

ISO 9001
BUREAU VERITAS
Certification

BUREAU VERITAS 1828