



Laser + DoD  
 e-Passports issuance  
 3rd page inkjet printing

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

Decentralized issuance

Cluster centralized issuance



# Laser and Inkjet Perso Systems for Government and Payments

**XPrint** improves the standard features of the XP range by incorporating inkjet printing on both paper and polycarbonate using a highly advanced and exclusive inkjet printer based on drop-on-demand (DoD) 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 range enables decentralized e-Passport personalization. It boasts outstanding reliability and can also be installed in clusters to create scalable centralized solutions.

**XPrint** system is the ultimate solution for laser engraving with its exceptional capabilities. It can perform tilted engraving, clear windows, tactile, microtext, and high yield chip encoding with ease. Its high-resolution vision system ensures precise graphic positioning and quality control, while the tray-based transport system 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

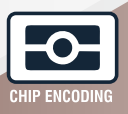
PASSPORT PERSONALIZATION PRINTER



LASER MARKING



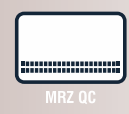
COLOR PRINTING



CHIP ENCODING



OCR, XY reg.



MRZ QC

# Desktop Laser and Color e-Passport Printer

# XPrint

**IXLA**  
ID LASER SYSTEMS



## Color Printing

DoD Printing: High Flexibility Low Costs  
Nozzle Resolution: 600dpi  
Print Mode:  
4 Colors (YMCK or YMC + Varnish)  
8 Colors (Y, M, C, K, Varnish, Priming, Fluorescent, Invisible)  
Add On-Demand Special Inks: e.g. Spot Colors, Metallic, Invisible, Fluorescent, Special Inks On Request



## 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

Mirror CLI-MLI



## Contactless 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.



## Vision System

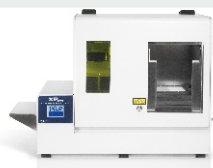
The integrated vision tools allow pre-personalization product inspection, quality control, barcode reading, offset registration of laser engraving data, OCR/OCV verification of personalized data.



MRZ quality control and distance verification



	<b>XP24</b>	<b>XP25</b>	<b>XJ</b>	<b>XPrint</b>
<b>Laser Type</b>	DPSS or Fiber Laser up to 20 Watts	DPSS or Fiber Laser up to 20 Watts	DPSS or Fiber Laser up to 20 Watts	DPSS or Fiber Laser up to 20 Watts
<b>Passport types</b>	Polycarbonate	Polycarbonate	Polycarbonate, Paper	Polycarbonate, Paper
<b>Passport Hoppers</b>	20 Booklets	20 Booklets	20 Booklets	30 Booklets
<b>Passport Output stacker</b>	Optional	Optional	Optional	Optional
<b>Inspection window</b>	Yes	Yes	Yes	Yes
<b>Print mode</b>	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	DoD Printing: Nozzle resolution 600dpi . - 4 colors (YMCK or YMC + Varnish) - 8 colors (Y, M, C, K, Varnish, Priming, invisible)
<b>XY Offset registration</b>	Yes	Yes	Yes	Yes
<b>RFID Chip encoder</b>	Yes	Yes	Yes	Yes
<b>Throughput (cph)</b>	60-100	60-100	50 - 80	60-100
<b>Vacuum system</b>	Included	Included	Included	Included
<b>OCR barcode reader</b>	Optional	Optional	Optional	Optional
<b>CLI-MLI</b>	Yes	Yes (mechanical tilting)	Yes (on demand)	Yes (on demand)
<b>Software</b>	AIDA Machine & Perso controller	AIDA Machine & Perso controller	AIDA Machine & Perso controller	AIDA Machine & Perso controller
<b>Dimensions (D x W x H)</b>	66 x 44 x 56	66(77) x 46 x 56	65 x 64 x 48	100x60x63
<b>Weight</b>	52	60	58	110



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