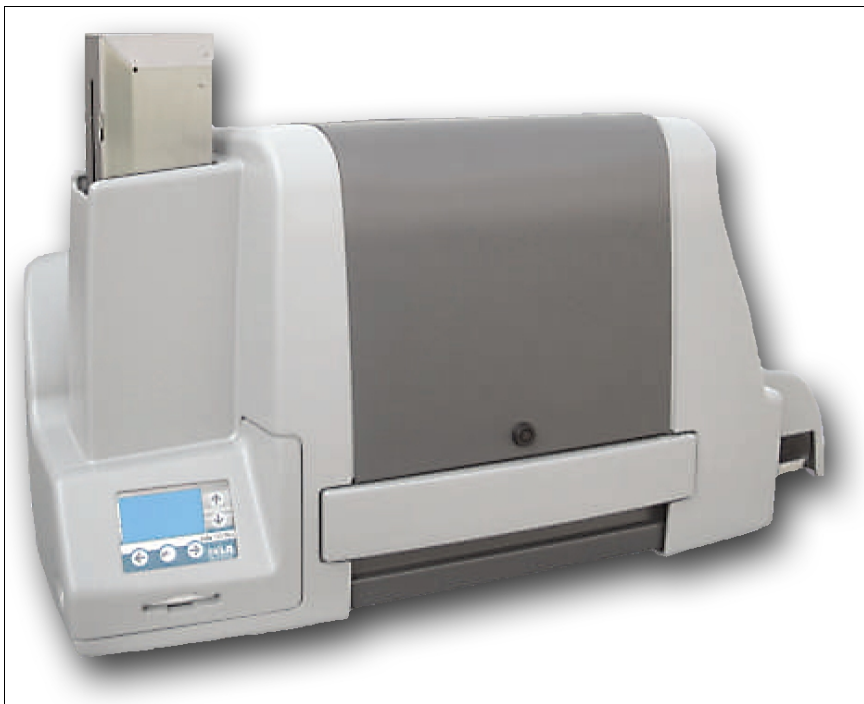




# **Laser Engraving System Ixla 100 Plus for ID Cards personalization**





## Card Personalization Laser System Ixla 100 Plus

Table Top high performance air cooled Engraving Station for two sides engraving of multilayer eID cards made of Polycarbonate. High image and text quality, with MLI functionality.

On line RFID chip encoding. Integrated camera system for precise positioning of demographic data against small preprinted captions.

Laser engraving offers the best protection available against counterfeit ID and fraud.

### Features

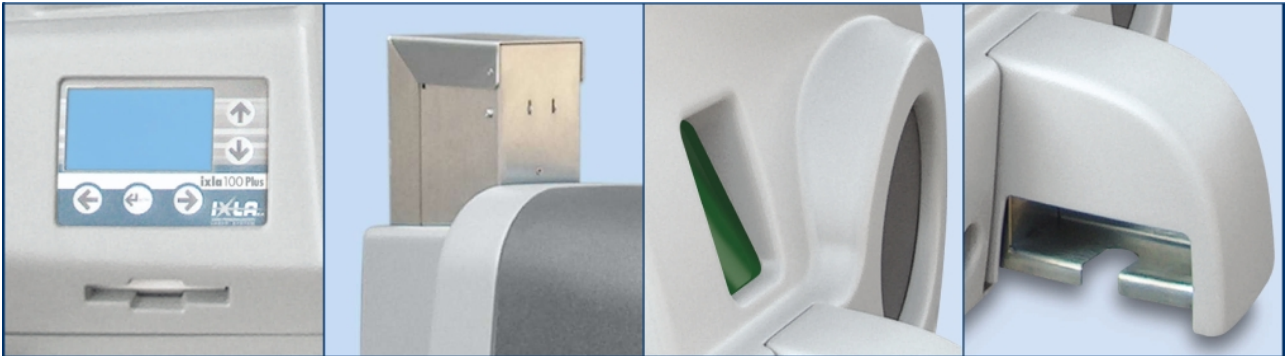
- Quality, detail and precision with high engraving speed
- Air Cooled DPSS Laser Source
- Vector and Raster Graphics (up to 1600 dpi)
- Magnetic tracks ISO and TRANSAC Hi and Lo coercitivity
- Integrated I/C card reader
- Throughput: 30 seconds for 2 sides card
- I/C card reader/writer for smart cards (option)
- RFID module for contact less chip (option)
- CLI (Changeable Laser Image) engraving
- Highly durable and forgery-proof documents
- Lower energy consumption
- Low maintenance of laser technology
- No consumables
- LAN and USB 2.0 interface
- Embedded PC Advantech UNO-2170-C11E
- Complete software suite for users and developers



## Technical data

<b><i>Ixla 100 Plus</i></b>	
MCBF	1.000.000 documents
Interface	USB 2.0.and LAN Ethernet
Troughtput	30 seconds for 2 sides card
Temperature Operation	+ 5 °C - + 40 °C
Temperature Storage	- 20 °C - +55 °C
Relative Humidity Operation	at 25 °C - 80 % RH (not condensed)
Relative Humidity Storage	at 25 °C - 90 % RH (not condensed)
Dimension	672 x 465 x 403 mm (L x W x H)
Weight	50 kg net
Electric Specification	110/230 VAC ± 15%, 500 VA

<b><i>Embedded PC Advantech UNO-2170-C11E</i></b>	
CPU	Up to Celeron-M 1GHz Ultra low-voltage version
Memory	512 MB DDR on board
Battery-backup RAM:	512 KB Battery-backup RAM
Serial Ports:	2 x RS-232 and 2 x RS-232/422/485 with DB-9 connectors. Automatic RS-485 data flow control. Serial Speeds: RS-232: 50~115.2 kbps, RS-422/485: 50~921.6 kbps
LAN	Two 10/100 Base-T RJ-45 Ports
USB interface	Two USB ports, USB UHCI
PC Card	One PC Card slot. Supports CardBus (Card-32) Card and 16-bit (PCMCIA 2.1/JEIDA4.2) Card. Supports +5 V, +3.3 V and +12 V @ 120 mA working power
SSD:	One internal Type I / Type II CompactFlash card slot
PC/104	Two PC/104 Extension. (Optional)
HDD	HDD extension kit for installation of one standard 2.5" HDD
Anti-Vibration	2 Grms w/CF @IEC 68 section 2-64, random, 5 ~ 500Hz, 1 Oct./min, 1 hr/axis.0.5 Grms w/ HDD @ IEC 68 section 2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis
Power supply	9 ~ 36 VDC
Power consumption	Max. 35 W
Operating temperature	-10 ~ 50°C (14 ~ 122°F) @ 5 ~ 85% relative humidity
Relative humidity	95% @ 40°C
Operating System	Windows XP Embedded
Storage	- 1GB CompactFlash 5000 industrial grade - 4GB IDE flash disk model Transcend TS4GIFD25



## Software

Cardist 1.x, is an application program for the graphic creation of two dimensional objects for Ixla Card Personalization Laser System

- Digitized photos and logos up to 1600 Dpi
- Raster and vectorial graphics handling
- Far east language support
- True Type font compatibility
- Extended True Type font (CJK)
- Sequence work handling
- Grid with snap
- Flexible document origin
- Vector & Bitmaps in the same file
- Monochrome Bitmaps
- Gray-tones Bitmaps
- PLT, DXF BMP JPEG GIF files
- Linked files handling
- Wobble feature
- Position of arc text in degrees
- Rectangular objects array
- Flexible barcode creation
- Flexible Data Matrix creation
- Flexible QR code creation
- Flexible data import from different sources
- Visual Basic integration