

Laser Personalization System

smart 70X

Stand-alone single or dual-sided laser engraving of text, images and security features

Magnetic encoder, contact / contactless encoder installable

Micro Text

MRZ (Machine Readable Zone) Text

CLI (Changeable Laser Image)

Tactile Effect

High Volume Input & Output Hopper, Color & Mono Printing

(as optional modules)

Eco-Friendly Low Power Consumption

Full Modular Design





Laser Engraver for ID Cards

SMART-70X is a laser engraver module of IDP's SMART-70 Series ID card printer.

Equipped with laser engraving capability, SMART-70X is a perfect solution for instant personalization of secure cards in an environment where the maximum level of security is required.

With the unique modular concept of SMART-70 Series, SMART-70X can be used as a stand-alone laser engraver or with other SMART-70 modules such as SMART-70 direct-to-card printer, Laminator, Hybrid Flipper, Output hopper.

* PC (Polycarbonate) card is recommended for standalone use of SMART-70X.

* Laserable PVC card is recommended for use of SMART-70X with SMART-70 Printer (Dye-Sublimation Printing)

Specifications

LASER ENGRAVING

- Laser Type: 6W Air-Cooled DPSS Laser, ND:YAG
- Resolution: 1200dpi
- Scanning: Raster & Vector Scanning
- Engraving Mode: Single or Dual-sided Laser Engraving
- Speed*: 103 cards/hour (Single-sided Laser engraving only)
- Warranty: 20,000 hours

CARD

- Card Feeding: Automatic, Manual
- Card Size: ISO CR80 (54mm x 86mm / 2.12" x 3.38")
- Card Thickness: 0.76mm (30mil)
- Card Type: Laserable PVC, PC (Polycarbonate) Card

CAPACITY

- Input Hopper: Max. 500 Cards (Optional : SMART-70 Input Hopper)
- Output Hopper: Max. 500 Cards (Optional : SMART-70 Output Hopper)
- Error Card Bin: Max. 20 Cards

SECURITY

- Physical Lock: Laser System, Error Card Bin

SYSTEM

- Display: LCD & LED
- Control Panel: 4 Buttons
- Vision Camera: Laser Engraving Monitoring
- Supported Platforms: Microsoft Windows 7/ 8/ 10
- Communication: USB
- Power Supply: 100V to 220V ±10%
- Temp. & Humidity: 10~30°C / 20~80%

DIMENSIONS

- Millimeter (WxLxH): 450 x 230 x 425
- Inch (WxLxH): 17.7 x 9.1 x 16.7
- Weight: Approx. 25 kg (55 lbs)

OPTIONS

- Magnetic stripe Encoding (HiCo/LoCo) / Contact & Contactless Encoder
- CLI (Changeable Laser Image)
- Air Cleaning System
- SMART-70 Direct card printer and Modules (Input & Output Hopper, Laminator, Flipper)

LASER SAFETY

- IEC-60825-1 CLASS 1 Standard

Flexibility

Easily Upgradable, No need for Tools or IT technician

Just connect each station and synchronize



Dimension



* Engraving speed : May change under specific condition.

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Notice!

Please read the instruction manual before starting to use SMART-70X in order to make sure the correct and safe use of the product.



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