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AN INNOVATIVE ID CARD PRINTER  
TECHNOLOGY LEADER

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ID CARD PRINTING  
SOLUTION



ID Card Printing Solution

#### **IDP Corp., Ltd.**

#601, 50, Digital-ro 33-gil, Guro-gu, Seoul, Korea, 08377  
TEL: +82-2-6099-3700 FAX: +82-2-6099-3717  
E-mail : sales@idp-corp.com

#### **IDP Americas, Inc.**

1485 S County Trail, Unit 306, East Greenwich, RI 02818, USA  
TEL: +1-401-400-7111 FAX: +1-401-667-7445  
E-mail: sales@idpamericas.com

#### **IDP Middle East**

13F, Jafza View 18, Downtown Jebel Ali  
P.O.Box 17588, Dubai - U.A.E.  
TEL: +971-4-889-5900  
E-mail: mea@idp-corp.com



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# AN INNOVATIVE ID CARD PRINTER TECHNOLOGY LEADER

IDP, a leading global manufacturer of Plastic Card Printers, is a trusted source to governments, corporations, and universities in over 58 countries.

Since 2005, IDP has engaged in the development, design, and manufacture of high-performance plastic card printers with the latest mechanical, electronic, and software technology available.

Our success has been grounded by our expertise in the industry.

IDP provides a complete range of desktop plastic card printing solutions for desktop color printing, security laminating, long-life laser engraving, and for all of the industry's common magnetic, contact and contactless smart card encoding.

IDP's printers are used everywhere plastic cards are used, such as employee badges, student IDs, payment cards, access control badges, customer membership, loyalty cards, and more.

As a pioneer of SMART card printing technology, our goal is to make plastic card printing widely available, offering business leaders the guidance for distributed and centralized printing projects, and to be the future-ready leaders in the industry.

We look forward to working with you.



smart 70  
Whatever you want or need!

smart 51

smart 31

smart 21

smartBIT

WISE



# smart SERIES



TECHNOLOGY



SOFTWARE



CONVENIENCE

04

05

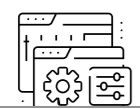
## smart SERIES

**SMART SERIES :** The IDP SMART series card printers are manufactured by IDP Corp. Ltd. They are highly engineered dye-sublimation plastic card printers which provide you with maximum efficiency for production of plastic cards in commercial and government applications. The SMART Photo ID printers range from valued-based entry-level to feature-rich professional units. Printers are available in single or dual-sided and offer many additional features, including a flipper, lamination modules, ethernet connectivity, and various encoders such as magnetic stripe, contact, and contactless. The enhanced FINE™ Imaging Technology of the SMART series optimizes printer output to reproduce life-like images and color tones. There is a SMART printer to meet your business needs: Employee IDs, Banking cards, Membership cards, Access control badges, Government credentials, and much more.



### TECHNOLOGY

- \_ Crystal clear printing with IDP's exclusive FINE™ Imaging Technology
- \_ Instant direct heating laminator - fastest laminator technology in the industry \*Patent
- \_ Field upgradeable options for dual sided printing and laminating
- \_ Field upgradeable encoders for magnetic stripe, contact and contactless smart cards
- \_ Automatic ribbon recognition and no need for sensors or motors calibrations
- \_ Eco-friendly rewritable printing (SMART-31R)
- \_ 500 cards input and scratch free feeding and exiting (SMART-70) \*Patent
- \_ High-durability: Ruggedized metal frame and shafts, steel ball bearings (SMART-51 & 70)



### SOFTWARE

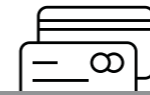
- \_ SMART SDK, to develop customized applications
- \_ SMART Utilities, to check working states and adjust configurations
- \_ SMART IDesigner for designing and issuing cards
- \_ On-line life-time technical support



### CONVENIENCE

- \_ User-friendly design for desktop environment
- \_ LCD & LED for status display of printer
- \_ Easy Thermal Print Head (TPH) replacement
- \_ Front input and output hoppers (SMART-31 & 51)
- \_ Drop-in ribbon cartridge (SMART-31 & 51)
- \_ Full modular design (SMART-70)
- \_ Drawer type ribbon cartridge (SMART-70)

### EASY ISSUING



**SMART IDesigner** makes it easy to design and print professional badges for a multitude of applications. IDesigner allows you to add images, text, barcodes, manage databases and provide state of the art encoding. SMART IDesigner ensures appropriate card issuance and data management with our SMART series of printers. IDesigner offers a simple wizard and templates to get your started quickly.

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>_ Design and print (Image, Photo and Text)</li> <li>_ 1D, 2D &amp; QR Code Barcode printing</li> <li>_ Auto portrait (Auto face detection, adjustment of size &amp; position)</li> <li>_ Printing of sequential numbers</li> <li>_ Card design templates</li> </ul> | <ul style="list-style-type: none"> <li>_ Plug-in for supporting external devices (Sign pad, Camera, Scanner)</li> <li>_ Convenient card issuance and data management</li> <li>_ Magnetic stripe (MS), contact &amp; contactless smart card encoding by using plug-in program</li> </ul> |
|--|---|

SMART IDesigner is included free with the purchase of a SMART Series Card Printer.

### HIGH SECURITY



**SMART Series** provides effective electronic security features for access control and data encryption.

- PC Authentication
- Data Encryption
- Password

- \_ SMART series has a password verification function to provide administrator and user authentications.
- \_ SMART series can set a specific authorized PC for encoding and printing cards.
- \_ SMART series can encrypt data transmitted on USB and can support SSL (Secure Socket Layer) protocol on ethernet communications.
- \_ SMART-70 series is equipped with physical lock and Kensington lock system on each station to increase security.

### POWERFUL NETWORKING



**SMART Series** can utilize the network printer servers for encoding and printing cards.

#### SSL (Secure Socket Layer)

- \_ SMART Ethernet module can not only print cards but also encode MS, Contact and Contactless smart card through the network.
- \_ SMART Ethernet module has OCP(Open Card Print) protocol which can encode and print cards by using commands on multiple platforms without installing the printer driver.
- \_ Available to encode contact & contactless smart cards by Ethernet.

• App developed by OCP (Open Card Print) on Android or iOS mobile device



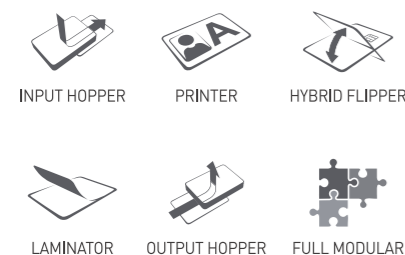


# smart 70

The SMART-70 is a high-performance large capacity ID card printer designed with a unique modular concept that can support various printer configurations to meet the users needs. As seen below, each module is a separate component that is easily attached and synchronized to deliver the perfectly printed and or laminated card. Ideal applications include University ID's, student badging, secure credentials, access control badges, school photography, K12 school IDs, print bureaus, loyalty cards, and more. Virtually any application where the user demands high capacity and high speed printing are well suited to the SMART-70 Series.

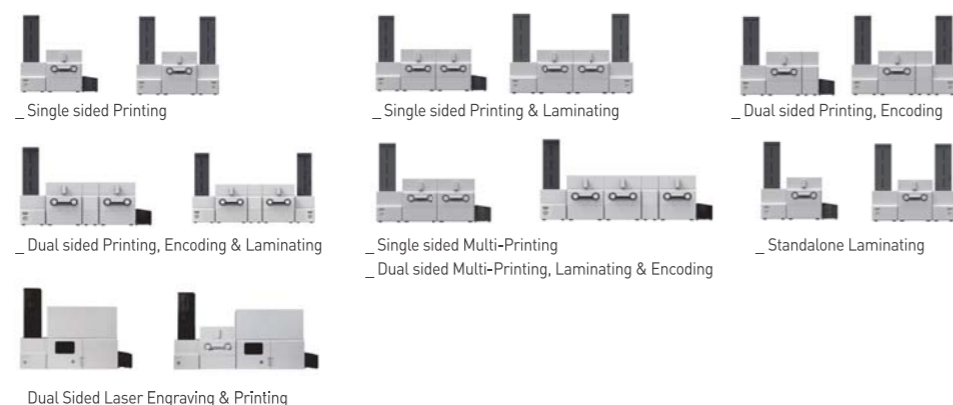
Specialty applications such as duplex monochrome, scratch-off personalization, and ultra-high speed (9.9sec YMCKO) can be accommodated with IDP's SMART-70 Dual Printer configuration.

## TAILOR-MADE MODULAR DESIGN, ULTIMATE ID CARD PRINTER SOLUTION



## SCALABILITY

JUST CONNECT  
EACH MODULES  
AND SYNCHRONIZE



## MULTI-PRINTER COMBINATION



**9.9 SEC**  
364 cards/hour  
Partial Area Printing(YMCKO)

**12.5 SEC**  
288 cards/hour  
Full Area Printing(YMCKO)

\* For Single sided Partial area or Full area Color Printing

## FEATURES



- |  |  |   |
|--|--|---|
| <p><b>1</b> _ Large Capacity Max. 500cards<br/>_ Scratch Free<br/>_ Hook for Card-In<br/>_ Residual Q'ty Sensor<br/>Near empty &amp; empty alert notifications<br/>_ High Durability / Indicator LED<br/>_ Physical Lock &amp; Kensington Lock</p> | <p><b>2</b> _ High Speed Printing<br/>Max. 1,000 cards/h (Mono), Max. 225 cards/h (YMCKO)<br/>_ Enhanced FINE™ Imaging Technology<br/>_ Drawer type ribbon cartridge<br/>_ Installable MS &amp; Contactless Encoder<br/>_ LCD &amp; Button / Indicator LED<br/>_ High Durability<br/>_ Physical Lock &amp; Kensington Lock</p> | <p><b>3</b> _ Installable Encoding modules<br/>Contact &amp; Contactless Smartcard Encoder<br/>_ Card Flipper<br/>_ High Durability / Indicator LED<br/>_ Error Card Bin* (Max. 30 cards)<br/>_ Physical Lock &amp; Kensington Lock</p> |
| <p><b>4</b> _ No warming-up time<br/>Instant direct heating mechanism<br/>_ Scratch Free<br/>_ Drawer type film cartridge<br/>_ LCD &amp; Button / Indicator LED<br/>_ High Durability<br/>_ Physical Lock &amp; Kensington Lock</p>               | <p><b>5</b> _ Large Capacity Max. 500 cards<br/>_ Scratch Free<br/>_ Residual Q'ty Sensor<br/>Full Space alert notifications<br/>_ High Durability<br/>_ Indicator LED<br/>_ Physical Lock &amp; Kensington Lock</p>   | <p><b>6</b> _ Max. 100 cards</p>  |

\* If encoder or scanner options are not selected, Error card bin will be provided.

### VERSATILE HOPPER

- \_ High Volume In/Output Hopper (Max. 500)
- \_ Multi-Hopper
- \_ Residual Q'ty Sensor
- \_ Physical Lock & Kensington Lock
- \_ Scratch Free

### STAND-ALONE LAMINATOR

TURN ON AND  
**JUST LAMINATION NOW!**  
No Need Device Driver or PC

### INPUT HOPPER

To disperse the weight of the stacked cards, the card mallet pushes cards to the weight dispersion point and the lowest card is drawn out by hook. This process prevents the stacked cards from making scratches on the lower card's surface.

### OUTPUT HOPPER

When a card is put in the output hopper, to protect the card's surface, the loaded cards are raised by the support beam which is operated by the internal CAM.

### HIGH DURABILITY

**METAL FRAME**  
**METAL SHAFT & ALL BEARING**

# smart 70X

SMART-70X is a laser engraver module of IDP's SMART-70 Series. Equipped with up to 1200dpi laser engraving capability, the 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.

## HIGH SECURITY AND SOPHISTICATED LASER PERSONALIZATION SYSTEM



- \* PC (Polycarbonate) card is recommended for stand-alone use of SMART-70X.
- \* Laserable PVC card is recommended for use of SMART-70X with SMART-70 Printer (Dye-Sublimation Printing)



SMART-70 Input Hopper



SMART-70 Printer



SMART-70X Laser Engraver

- \_ Stand-alone single or dual-sided laser engraving (Text, Images and Security features)
- \_ 1200dpi, Raster & Vector Scanning
- \_ Micro Text, MRZ (Machine Readable Zone) Text
- \_ CLI (Changeable Laser Image)
- \_ Tactile Effect
- \_ Magnetic encoder, contact / contactless encoder installable
- \_ High Volume Input & Output Hopper, Color & Mono Printing (as optional modules)
- \_ Eco-Friendly Low Power Consumption
- \_ Full Modular Design

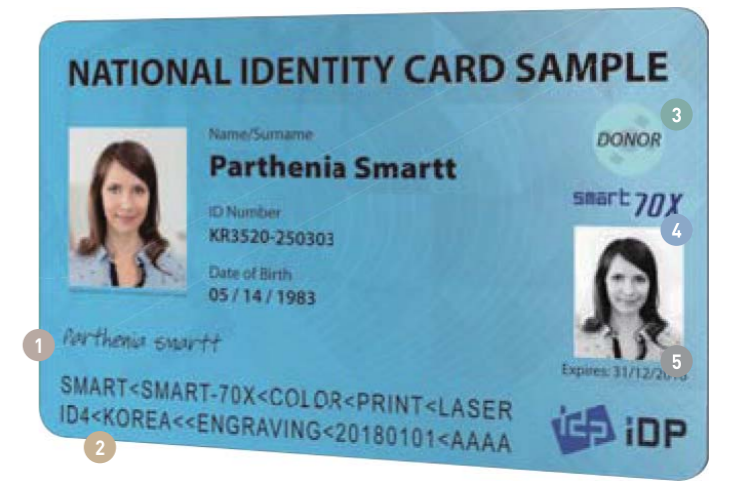
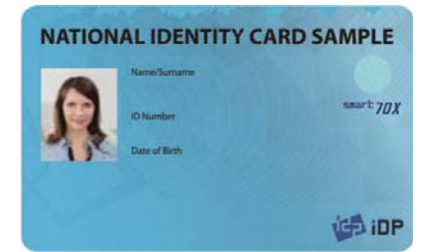
## LASER ENGRAVING TECHNIQUE

- 1 TACTIL EFFECT
- 2 MRZ TEXT WITH TACTILE EFFECT (Machine readable zone)
- 3 CLI (Changeable Laser Image)
- 4 GHOST IMAGE
- 5 MICRO TEXT (0.8mm)

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

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

## DIRECT DYE-SUBLIMATION COLOR PRINTING



## FLEXIBILITY

EASILY UPGRADABLE,  
NO NEED FOR TOOLS OR  
IT TECHNICIAN

JUST CONNECT EACH MODULES  
AND SYNCHRONIZE



# smart 51

Born from the successful SMART-50 Series, the SMART-51 is the latest generation mid-range card printer. The Series is a great option for mid-to-high volume printing of ID cards identity badges, access passes and more. The SMART-51 Series offers field upgradeable options for dual sided printing, encoding, and the industry's fastest plastic card laminator. Laminating with the SMART-51L extends the life of your cards as well as increasing a cards security. Clear, generic and custom hologram laminates are available, as well as new security inks. The SMART-51 is the ONLY printer in its class with a ruggedized metal frame.

## IDEAL SOLUTION FOR PRINTING HIGH-QUALITY ID CARDS IN MOMENTS

- \_ NEW INPUT HOPPER [UP TO 200 CARDS LOADING]
- \_ REMOVABLE OUTPUT HOPPER
- \_ SUPPORT OF TRANSPARENT CARDS
- \_ CARTRIDGE TYPE LAMINATE FILM LOADING
- \_ SUPPORT CR79 CARDS [\*OPTION]
- \_ TOP-SIDE MAG. ENCODING
- \_ ALL-IN-ONE TYPE LOCK SYSTEM [\*OPTION]
- \_ MANUAL FEEDING [\*OPTION]
- \_ KENSINGTON LOCK [\*OPTION]
- \_ REAR-SIDE STACKER [\*OPTION]
- \_ ETHERNET, WIFI [\*OPTION]



Single-sided SMART-51(51S) can be field upgraded to a dual-sided printer(51D) or to a dual-sided laminating printer(51L) by installing a Flipper module or a Laminator module. The SMART-51 Laminating printer is a good option for printing and laminating in one step to produce high-security long-life ID

cards with customizable security patch films. With IDP's patented Direct Lamination technology, the SMART-51L is the industry's fastest "Ready to Print" laminator. In only 8 seconds, IDP's laminator is ready to print and laminate your highly secured cards.

## smart-51S

SINGLE SIDED  
ID CARD  
PRINTER



- \_ Single Sided Printing
- \_ Print Speed: Max. 17 sec./card (YMCKO)
- \_ 300, 600 & 1200dpi with Edge-to-Edge Printing
- \_ Installable Encoders: MS, Contact & Contactless
- \_ Upgradable Modules: Flipper, Laminator

## smart-51D

DUAL SIDED  
ID CARD  
PRINTER



- \_ Single or Dual Sided Printing
- \_ Print Speed: Max. 22 sec./card (YMCKOK)
- \_ 300, 600 & 1200dpi with Edge-to-Edge Printing
- \_ 51S Field Upgradable to 51D
- \_ Installable Encoders: MS, Contact & Contactless
- \_ Upgradable Modules: Laminator

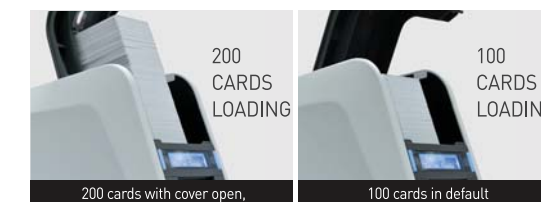
## smart-51L

LAMINATING  
ID CARD  
PRINTER



- \_ Single or Dual Sided Printing and Laminating
- \_ Instant Direct Heating Lamination \*patent
- \_ Printing & Laminating Speed: Max. 22 sec./card (YMCK & Single Lamination)
- \_ 300, 600 & 1200dpi with Edge-to-Edge Printing
- \_ 51S & 51D Field Upgradable to 51L
- \_ Holographic Lamination for Visual Security & Card Durability
- \_ Installable Encoders: MS, Contact & Contactless

### 1 NEW INPUT HOPPER



### 2 SINGLE CARD FEEDER



### 3 REMOVABLE - OUTPUT HOPPER



### 4 REAR-SIDE STACKER



# smart 31

Born from the successful IDP SMART-30 Series printers, the SMART-31 is the latest generation entry-level ID card printer. The SMART-31 is a great printer for small businesses to print professional ID cards at an entry-level price. Full color or monochrome printing with single or dual sided options.

## SIMPLE AND EASY FOR EVERYONE TO USE



- \_ 300, 600 & 1200DPI
- \_ EDGE-TO-EDGE PRINTING
- \_ EASY CARD ISSUING
- \_ EXCELLENT CONVENIENCE
- \_ FINE™ IMAGE TECHNOLOGY
- \_ LOW-COST SECURITY WITH UV PRINTING
- \_ REMOVABLE OUTPUT HOPPER
- \_ ETHERNET [\*OPTION]

### smart-31S

SINGLE SIDED  
ID CARD  
PRINTER



- \_ Single Sided Printing
- \_ Print Speed: Max. 20 sec./card (YMCKO)
- \_ 300, 600 & 1200dpi with Edge-to-Edge Printing
- \_ Low Cost Security with UV Printing
- \_ Installable Encoders: MS, Contact & Contactless
- \_ Upgradable Modules: Flipper

### smart-31D

DUAL SIDED  
ID CARD  
PRINTER



- \_ Single or Dual Sided Printing
- \_ Print Speed: Max. 26 sec./card (YMCKOK)
- \_ 300, 600 & 1200dpi with Edge-to-Edge Printing
- \_ 31S Field Upgradable to 31D
- \_ LED Button for Front Operation
- \_ Low Cost Security with UV Printing
- \_ Installable Encoders: MS, Contact & Contactless

### smart-31R

REWITABLE  
ID CARD  
PRINTER



- \_ Direct Thermal Rewritable Single-sided Printing
- \_ Rewrite Speed: Max. 12 sec./card
- \_ 300, 600 & 1200dpi with Edge-to-Edge Printing
- \_ Installable Encoders: MS, Contact & Contactless

# smart 21

SMART-21 is a simple hand-fed desktop ID card printer with compact lightweight design. It is a great choice for instant card issuance of entry-level low-volume demands.

A more work-friendly easy to use ID card printing solution with crystal clear printing quality.

## IDEAL FOR SMALL ORGANIZATIONS!



- \_ SIMPLE HAND-FED DESKTOP ID CARD PRINTER
- \_ 300, 600 & 1200DPI
- \_ EDGE-TO-EDGE PRINTING
- \_ EASY CARD ISSUING
- \_ COMPACT LIGHTWEIGHT DESIGN
- \_ FINE™ IMAGE TECHNOLOGY
- \_ LOW-COST SECURITY WITH UV PRINTING

### smart-21S

SINGLE SIDED  
ID CARD  
PRINTER



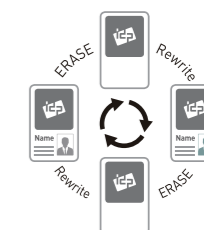
- \_ Single Sided Printing
- \_ Print Speed: Max. 24 sec./card (YMCKO)
- \_ 300, 600 & 1200dpi with Edge-to-Edge Printing
- \_ LED Button for Printer Status Indication
- \_ Low Cost Security with UV Printing
- \_ Installable Encoders: Magnetic

### smart-21R

REWITABLE  
ID CARD  
PRINTER



- \_ Direct Thermal Rewritable Single-sided Printing
- \_ Rewrite Speed: Max. 12 sec./card
- \_ 300, 600 & 1200dpi with Edge-to-Edge Printing
- \_ LED Button for Printer Status Indication
- \_ Installable Encoders: Magnetic



PROVIDES A COST EFFECTIVE SOLUTION!



# smart 51

## KIOSK CARD PRINTER

The IDP's Kiosk Card Printer is a high capacity, flexible and reliable card printing module for various types of self-service Kiosks.

Using the compact and solid SMART-51 printing engine or high performance SMART-70 printer module and multi-hopper system (up to 6 input hoppers) with detachable 300 or 500 cards cartridge, the IDP SMART Kiosk Card Printer will provide a variety of choices depending on the requirements.



HIGH CAPACITY, FLEXIBLE AND RELIABLE CARD PRINTING MODULE FOR VARIOUS KIOSKS SOLUTIONS.

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# smart 70

## MULTIPLE HOPPER

The Multiple hopper system for SMART-70 is designed for large capacity Kiosk and Desktop requirements. The Multi-Hopper system is very flexible and expandable with a minimum of 2 hoppers to a maximum of 6 high-capacity 500 card hoppers. Monochrome ribbon support up to 3000 prints minimizing maintenance cost and time. Up to 3000 cards loaded in a 6 hoppers configuration. Each hopper can hold a different card type for efficient Kiosk operation. The advantages of SMART-70's unique fully modular design is that it makes it possible to add encoding or Laminating modules easily. The ruggedized metal frame of the multiple hopper system is ideal for high volume issuance.

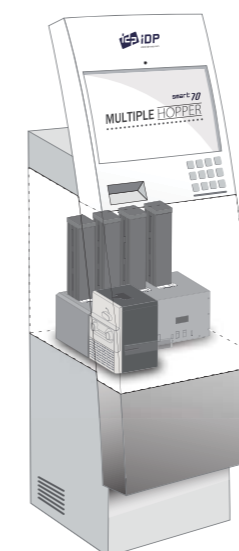
MULTIPLE HOPPER SYSTEM DESIGNED TO FIT THE SMART-70 SERIES

### MULTIPLE HOPPER SYSTEM DESIGNED TO FIT THE SMART-70 SERIES

- \_ UP TO 6 SELECTABLE HOPPERS
- \_ 300 OR 500 CARDS REFILLABLE CARTRIDGES
- \_ UP TO 6 DIFFERENT TYPE CARDS LOADING
- \_ FULL METAL STRUCTURE

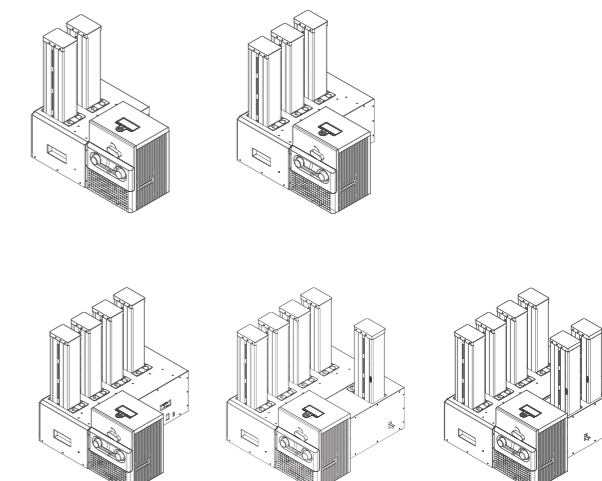


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| <ul style="list-style-type: none"> <li>_ 1 to 4 Hopper Selectable<br/>[up to 2,000 cards or 4 different card types]</li> <li>_ 300 or 500 cards Selectable Cartridges</li> <li>_ Print speed: Max. 212 cards/hour [YMCKO]</li> </ul> | <ul style="list-style-type: none"> <li>_ Compact and Reliable design</li> <li>_ Customizable bottom plate<br/>[Size, Layout of Control Panel &amp; Adaptors, etc.]</li> <li>_ Installable MS, Contact &amp; Contactless Encoder</li> </ul> | <ul style="list-style-type: none"> <li>_ Scratch Free</li> <li>_ Residual Q'ty Sensor</li> <li>_ Top-side Mag. Encoding<br/>[*Option]</li> </ul> |
|--|--|--|



Max. **3,000**  
cards loading

Up to **6 different**  
type cards loading





# smartBIT

**Ribbon Shredder**  
for Security Assurance



SECURELY DESTROY SENSITIVE  
PERSONAL INFORMATION

**FLEXIBLE CARD  
PRINTER RIBBON  
COMPATIBILITY**

The SMART-BIT is compatible with the industry's popular brands of dye-sub card printer ribbons.

**SECURITY  
ASSURANCE**

Protecting personal information is critical and IDP's SMART-BIT shredder is especially designed to ensure the secure destruction of used ID Card Printer Ribbons containing personal information.

**COMPACT  
EASY-TO-USE  
DESIGN**

SMART-BIT is compact and lightweight in design and will easily fit into any office desktop environment. The SMART-BIT's waste bag will ensure complete capture of ribbon particles and simple transfer to a waste bin.

**COMPLETE  
SHREDDING**

**\* Twisted Micro-Cut Technology** <sup>\*Patent</sup>  
With IDP's Twisted Micro-Cut Technology, SMART-BIT uses unique twist and cut motions to completely shred ID Card Printer ribbon.



**COMPLETE SHREDDING**

IDP's Twisted Micro-Cut Technology uses an exclusive method to twist and cut the ribbon completely to shred personal data into tiny particles. (\*Patent)



**EASY-TO-USE**

Easy to use interface and shredded ribbons can be easily discarded using the SMART-BIT Waste Bag when full.



**FLEXIBLE RIBBON COMPATIBILITY**

The SMART-BIT will accommodate the industry's popular brands of direct-to-card desktop printer ribbons.

**COMPACT  
DESIGN**

The SMART-BIT is simple to use and has a compact size and lightweight design that can easily fit into any office desktop environment.



Shreddable Ribbon Type	Dye-Sublimation Ribbon, Resin & Wax Ribbon
Shreddable Ribbon Width	60mm to 90mm (Installable Ribbon Core Width : Max. 120mm)
Installable Ribbon Diameter	Max. Ø80
Shredding Speed	Max. 12 meters/minute
Shredder Bin Capacity	6 Rolls (YMCKO, 250 cards/roll)
Cutting Type	Twisted Micro Cut <sup>*Patent</sup>
Shredded Particle Size	Approx. 2.5mm
Control	Speed (Normal or Fast mode), Start & Stop, Reverse
Auto Stop	Finished Shredding, Ribbon Jam
Interface	4 LEDs, 3 Buttons
Power Supply	DC24V, 2A
Temperature / Humidity	15~35 °C / 35~70%
Dimensions(WxHxL)   Weight	232 x 364.6 x 386 mm / 9.1 x 14.4 x 15.2 inch Approx. 4.8 kg / 10.6 lbs

# WISE SERIES

IDP WISE-CXD80 retransfer printer delivers maximum impact, ease-of-use, glossy photos, edge-to-edge printing, and reliable long life. The printers technology eliminates the fear of head-damage and offers a life-time print head warranty. The WISE-CXD80 is ideal for both simple applications such as single-side membership cards, gift cards, on-demand ID cards and corporate and government issued ID cards. The WISE-CXD80 provides the integration of proven, long-established technology with a compact and user-friendly body.

HIGH QUALITY, RELIABILITY,  
AND CONVENIENCE

Model	WISE-CXD80SS (Single side)	WISE-CXD80DS (Dual sides)
<b>Printing</b>	Dye Sublimation / Resin Thermal Retransfer	
Print Type	Full Bleed (Real edge-to-edge)	
Print Area	300 dpi	
Resolution	Automatic	
Card Feeding	ISO CR80 (54mm x 86mm / 2.12"x3.38")	
Card Size	0.25mm(10mil) ~ 1.0mm(40mil)	
Card Thickness	PVC, Composite PVC, PET	
Card Type	29 sec./card (124 cards/hour)	29 sec./card (124 cards/hour)
YMCK	-	40 sec./card (90 cards/hour)
YMCKK	100 cards each(0.76mm)	
Capacity	Microsoft Windows 2000 Pro, XP, Vista, Windows Sever 2003 R2 SP2, Sever 2008	
Supported Platform	USB2.0, Ethernet fitted as standard	
Communication	Max. 3A (100V to 120V), Max. 1.5A (220V to 240V)	
Power Supply	15~35 C / 35~70%	
Temperature/Humidity	343mm (13.5") x 322mm (12.7") x 335mm (13.2")	
Dimensions (WxLxH)	13.0 / 28.7 (without optional unit)	15.5 / 34.2 (with optional unit)
Weight (kg/lbs)	Magnetic stripe Encoding (HiCo/LoCo), Contact chip Encoding (Read/Write), Contactless Encoding, Bend Remedy Unit, Lamination Unit (*WISE-CL600)	
Options	CE, FCC, KC	
Certifications		

## WISE-CXD80

### RETRANSFER CLASS ID CARD PRINTER

- \_ Color & Mono Single or Dual Sided Printing
- \_ Print Speed: 29 sec./card (YMCK)
- \_ Detachable and anytime-refillable hopper
- \_ Intuitive and flexible function LCD panel
- \_ Removable and water-washable cleaning roller
- \_ Security locks on hopper & front door
- \_ Kensington lock
- \_ Inline encoding and lamination (with optional unit)
- \_ Environmentally friendly compact design

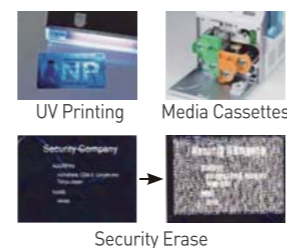


## WISE-CL600

### LAMINATOR For WISE Series



### PRINT WITH SECURITY



# WISE-LE

WISE-LE is a laser engraver module of IDP's WISE Retransfer ID card printer. Equipped with laser engraving capability, WISE-LE is a perfect solution for instant personalization of secure cards in an environment where the maximum level of security is required. With the IDP's WISE Series, WISE-LE can be used with WISE Retransfer ID card printer.

HIGH SECURITY AND SOPHISTICATED  
LASER PERSONALIZATION SYSTEM

Compact Laser engraving system for ID Cards is fully compatible with the IDP WISE Series Single or Dual Sided Laser engraving of Text, Images and Security Features

- \_ 1200dpi, Raster & Vector Scanning
- \_ Micro Text
- \_ MRZ (Machine Readable Zone) Text
- \_ MLI (Multiple Laser Image)
- \_ Tactile Effect
- \_ Monitoring Camera
- \_ 200 Cards Input Hopper, Air Cleaning (as optional units)
- \_ Error Card bin, Physical Lock
- \_ Eco-Friendly Low Power Consumption



### LASER ENGRAVING WITH RETRANSFER COLOR PRINTING & LAMINATING

WISE-CL600 Laminator  
+  
WISE-LE Laser Engraver  
+  
WISE-CXD80S Printer



### STAND-ALONE LASER ENGRAVING

WISE-LE Laser Engraver  
+  
Input Hopper



### AIR CLEANING MODULE

WISE-LE Laser Engraver  
+  
Air Cleaning Module

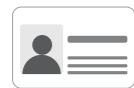


# SMART IDesigner

SMART IDesigner Software makes it easy for you to design and print professional ID badges and a multitude of other plastic cards. Complete with wizards, templates and a database, it will fit most small business needs. SMART IDesigner allows you to add images, text, barcodes, manage databases and manage card encoding options. Our SMART IDesigner software comes with the SMART printers free of charge and can be used to design and print ID cards, ID badges, and more.



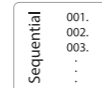
- Design and print (Image, Photo and Text)
- 1D & 2D Barcode printing
- Autoportrait (Auto face detection, adjustment of size & position)
- Printing of sequential numbers
- Card design templates
- Capture live photos by connecting a camera which will be stored in the cardholders' record.
- Plug-in for supporting external devices (Sign pad, Camera, Scanner)
- Convenient card issuance and data management
- Magnetic stripe (MS), contact & contactless smart card encoding by using plug-in program
- Multi-language support



**Design & Print**



**Encoding**  
MS, Contact & Contactless



**Sequential Number**



**Auto portrait**



**1D & 2D Barcode printing**



**Plug-in**  
Camera, Sign pad, Scanner



**Card design Templates**



**Convenient Data management**

SMART IDesigner software Software is designed for the SMART brand of printers and will not operate with other printers. For optimal performance, IDP recommends the following minimum PC configuration: Windows 7/8/10, a Pentium 1GHz processor with 1GB of RAM.

This software program is not for sale. It is intended to use only with the SMART ID Card Printers. No part of this program may be reproduced and reused anyway without the written permission of IDP Corp. Ltd. IDP Corp. Ltd. or its subsidiaries hold no liability for its use or problems through the dissemination of Smart ID. Standard Terms and Conditions of Sale apply. IDP Corp. Ltd. All rights reserved.



# APPLICATIONS

## PRINTING SOLUTION IN VERTICAL MARKETS

IDP card printers help business identity and on-demand security more efficiently, we provide solutions everywhere plastic cards used such as corporations, financial banking, education, government, and healthcare, and more.

IDP offers an extended range of printers that will meet the identification and security requirements of all organizations.

### CORPORATION



### FINANCIAL



Banks are establishing instant credit or debit card issuing system in addition to centralized issuing systems. In this case, customers do not need to wait till their financial cards are issued and mailed.

### ACCESS CARD



Access control cards have many objectives, including controlling access at point of entry, enabling users to sign documents electronically, and enter controlled facilities with magnetic stripe, contact and contactless smart card.

### EDUCATION



Most of all educational organizations need student ID cards. IDP's ID card printers are suitable to issue many types of student ID card.

### GOVERNMENT



Government ID cards are typically powerful with multiple layers of security as well as contact or contactless encoding. IDP's printers and supplies offer many options to protect valuable government identities and access.

### TRANSPORTATION



Transit cards need to charge money for using public transportation for certain periods. It also needs to be personalized to identify users.



## GENUINE IDP CONSUMABLES

IDP offers a complete range of ribbons and consumables especially designed for SMART printers. SMART genuine consumables bring you high-quality printing and reliable performance. We also supply various accessories to maintain and most of your SMART ID Card.

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### RIBBONS

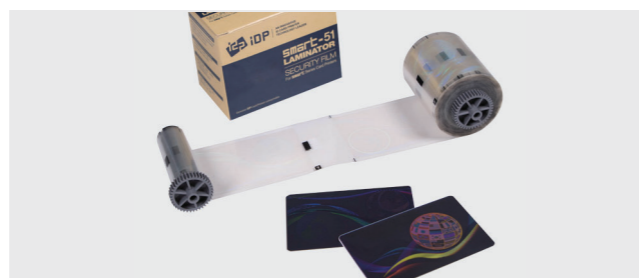
Select color, monochrome or security ribbon for stringent quality standards, consistent print results, rich color, highly detailed images.



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### SECURITY FILMS

IDP Genuine Security films are ideal for any official ID card which needs high security and endure harsh environment.



### CLEANING KITS

To help maintain optimum print quality, printer performance, and to maximize the printer's life.



### CARDS

IDP plastic cards and smart cards for stringent quality standards and consistent print results.



### COLOR RIBBONS

### MONO RIBBONS

### SECURITY FILMS

### COLOR RIBBONS

### MONO RIBBONS

### SECURITY FILMS

## Consumables for SMART-70 SERIES

<b>YMCKO</b>		500 Cards/Roll	Full Color Ribbon with Resin Black & Overlay
<b>YMCKOK</b>		500 Cards/Roll	Full Color Ribbon with Resin Black, Overlay & Black for Back Side
<b>YMCFKO</b>		500 Cards/Roll	Full Color Ribbon with UV Panel, Resin Black and Overlay
<b>HYMCKO</b>		1000 Cards/Roll	Half Panel Size Color Ribbon with Resin Black and Overlay
<b>YMC</b>		1000 Cards/Roll	Full Color Ribbon

<b>KO</b>	1500 Cards/Roll	Black with Overlay
<b>K</b>	3000 Cards/Roll	Black
<b>W</b>	3000 Cards/Roll	White
<b>B</b>	3000 Cards/Roll	Blue
<b>R</b>	3000 Cards/Roll	Red
<b>MG</b>	3000 Cards/Roll	Metallic Gold
<b>MS</b>	3000 Cards/Roll	Metallic Silver
<b>SO</b>	3000 Cards/Roll	Scratch-Off

<b>HPF</b>	500 Cards/Roll	Hologram Patch Film
<b>CPF</b>	500 Cards/Roll	Clear Patch Film

## Consumables for SMART-51, 31 & 21 SERIES

<b>YMCKO</b>		100 Cards/Roll	Full Color Ribbon with Resin Black & Overlay
		250 Cards/Roll	Full Color Ribbon with Resin Black & Overlay
<b>YMCKOK</b>		200 Cards/Roll	Full Color Ribbon with Resin Black, Overlay & Black for Back Side
<b>YMCFKO</b>		200 Cards/Roll	Full Color Ribbon with UV Panel, Resin Black and Overlay
<b>YMCPCO</b>		200 Cards/Roll	Full Color Ribbon with Pearlescent Panel, Resin Black and Overlay
<b>HYMCKO</b>		350 Cards/Roll	Half Panel Size Color Ribbon with Resin Black and Overlay

<b>KO</b>	600 Cards/Roll	Resin Black with Overlay
<b>BO</b>	600 Cards/Roll	Dye-sublimation Black with Overlay
<b>K</b>	1200 Cards/Roll	Black
<b>W</b>	1200 Cards/Roll	White
<b>B</b>	1200 Cards/Roll	Blue
<b>R</b>	1200 Cards/Roll	Red
<b>MG</b>	1200 Cards/Roll	Metallic Gold
<b>MS</b>	1200 Cards/Roll	Metallic Silver
<b>SO</b>	1200 Cards/Roll	Scratch-Off

<b>HPF</b>	250 Cards/Roll	Hologram Patch Film
<b>CPF</b>	250 Cards/Roll	Clear Patch Film

### Consumables for WISE SERIES

<b>YMCK</b>		1,000 Cards/Roll	Full Color Ribbon with Resin Black
<b>YMCKK</b>		750 Cards/Roll	Full Color Ribbons with Resin Black & Black for Back Side
<b>YMCKUV</b>		750 Cards/Roll	Full Color Ribbon with Resin Black & UV Panel
<b>YMCKPo</b>		750 Cards/Roll	Full Color Ribbon with Resin Black & Peel off
<hr/>			
<b>Retransfer Film</b>		1,000 Cards/Roll	
<hr/>			
<b>HOF</b>		1,000 cards/Roll	Hologram Standard Overlay Film
<b>CPS</b>		600 cards/Roll	Clear Patch with Smart cut
<b>CPF</b>		600 cards/Roll	Clear Patch Film

### OTHERS

<b>Cleaning Roller</b> Remove the dust, debris on the cards	<b>Cleaning Card</b> Manual Cleaning	<b>Long Cleaning Card</b> Automatic Cleaning
<b>Cleaning Swab</b> Printer Head & Roller Cleaning	<b>Cleaning Pen</b> Print Head Cleaning	<b>Cleaning Card for WISE</b> Manual Cleaning
<hr/>		
<b>ISO CR80   30mil/0.76mm</b> _ Blank white PVC Card _ Laserable PVC Card _ Paper Card		
<hr/>		
<b>Dust Bag</b> Genuine Dust Bag for SMART-BIT	<b>Large Waste Bin</b> Genuine Large Waste Bin for SMART-BIT	<b>Large Dust Bag</b> Genuine Large Dust Bag for Large waste bin

### COLOR RIBBONS FOR WISE

### RETRANSFER FILM

### SECURITY FILM

### CLEANING KITS

### PRIMUS CARD

### SMART-BIT ACCESSORIES

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smart 70



smart 51



smart-51S



smart-51D



smart-51L

smart 31



smart-31S



smart-31D



smart-31R

smart 21



smart-21S



smart-21R

smart 51

KIOSK CARD PRINTER



smart 70

Multiple Hopper



smart 70X



WISE-LE



smartBIT



WISE





### SMART-70 PRINTER

<b>Printing</b>	Print Type	Direct Dye-Sublimation
	Print Area	Edge to Edge
	Resolution	300dpi
<b>Card</b>	Card Feeding	Automatic
	Card Size	ISO CR80 (54mm x 86mm / 2.12" x 3.38")
	Card Thickness	0.38mm (15mil), 1.2mm (47mil)
	Card Type	PVC, Composite PVC, PET
<b>Print Speed</b>	Monochrome	3.6 sec./card (1,000 cards/hour)
	YMCKO	Max. 16 sec./card (225 cards/hour)
	YMCKOK	Max. 22 sec./card (164 cards/hour)
<b>Capacity</b>	Input Hopper: Card	500 cards
	Output Hopper: Card	Stacker : 100 cards / *Optional Output Hopper : 500 cards
<b>System</b>	Memory	64MB RAM
	Interface	2 Line LCD / 4 Buttons / 1 LED Indicator
	Supported Platforms	MS Windows 7/ 8 /10, Mac OS, Linux
	Communication	USB, 2 USB Host, Ethernet
	Power Supply	Free voltage (AC 100/ 220V, 50~60Hz)
	Power Consumption	24V, 2A
	Temperature/Humidity	15~35°C / 35~70%
<b>Encoding Options</b>	Magnetic	ISO 7811 (Track I, II, III Read/ Write, HiCo/ LoCo), JIS II
	Contactless	MIFARE, ISO 14443 (Type A/ B), ISO 15693, DESFIRE, iCLASS
<b>Security</b>	Physical Lock	Ribbon
	S/W	PC authentication, Password authentication
	Station Itself	Kensington Lock
<b>Dimensions</b>	Millimeter	240 (W) x 214 (L) x 305 (H)
	Inch	9.5 (W) x 8.4 (L) x 12 (H)
<b>Weight</b>	kg/lbs	Approx. 6.3 kg/13.9 lbs

### SMART-70 LAMINATOR

<b>Laminating</b>	Type	Direct Heating Lamination
	Speed	19 sec./card (Single-sided Laminating)
<b>Laminating Film</b>	Type	Clear, Holographic
	Thickness	0.6mil, 1.0mil
	Capacity	500 cards/Roll
<b>System</b>	Interface	2 Line LCD / 4 Buttons / 1 LED Indicator
	Communication	USB, RS-232C
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz) / 24V, 2.3A
	Power Consumption	24V, 2.3A
	Temperature/Humidity	15~35°C / 35~70%
<b>Security</b>	Physical Lock	Laminating Film
	Station Itself	Kensington Lock
<b>Dimensions</b>	Millimeter	240 (W) x 214 (L) x 305 (H)
	Inch	9.5 (W) x 8.4 (L) x 12 (H)
<b>Weight</b>	kg/lbs	Approx. 6.1 kg/13.4 lbs

### SMART-70 HYBRID FLIPPER

<b>Encoding Options</b>	Contact	ISO 7816 A/B/C Card, ISO 7816 1/2/3/4 Microprocessor Card
	Contactless	ISO 14443 (Type A/B), Mifare, DEFIRE, iCLASS, ISO 18092(NFC), Felica
<b>System</b>	Communication	USB
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)
	Power Consumption	24V, 2A
	Temperature/Humidity	15~35°C / 35~70%
<b>Security</b>	Physical Lock	Encoder or Error Card
	Station Itself	Kensington Lock
<b>Dimensions</b>	Millimeter	110 (W) x 204 (L) x 305 (H)
	Inch	4.3 (W) x 8.0 (L) x 12 (H)
<b>Weight</b>	kg/lbs	Approx. 2.8 kg/6.2 lbs. Without Optional modules)
<b>Error Card Bin</b> Ejection device for faulty card is equipped inside Flipper (Max. 30 cards)		* If encoder or scanner options are not selected, Error Card Bin will be provided.

### SMART-70 INPUT/OUTPUT HOPPER

<b>Capacity</b>	Input / Output	500 or 300 cards Cartridge Selectable
	Feeding	Automatic
<b>Card</b>	Size	ISO CR80 (54mm x 86mm / 2.12" x 3.38")
	Thickness	0.38mm (15mil), 1.2mm (47mil)
	Type	PVC, Composite PVC, PET
<b>Sensor</b>	Residual Q'ty Sensor	Input: Near Empty & Empty / Output: Full Space
	Detection Sensor	Cartridge Mount Status Detectable
<b>System</b>	Communication	USB, RS-232C
	Power	Free Voltage (AC 100/ 220V, 50~60Hz) / 24V, 2A
	Temperature/Humidity	15~35°C / 35~70%
<b>Security</b>	Physical Lock	Cartridge
	Station Itself	Kensington Lock
<b>Dimensions</b>	Input Hopper (W x L x H)	170 x 204 x 548 mm / 6.7 x 8.0 x 21.6 inch
	Output Hopper (W x L x H)	149 x 204 x 548 mm / 5.9 x 8.0 x 21.6 inch
<b>Weight</b>	Input Hopper (kg/lbs)	Approx. 3.7 kg /8.2 lbs
	Output Hopper (kg/lbs)	Approx. 3.5 kg /7.6 lbs

\*Print Speed : May change under specific condition.





## SMART-51 SERIES

Model	SMART-51S	SMART-51D	SMART-51L	
	Single Sided	Dual Sided	Dual Sided & Laminator	
<b>Printing</b>	Print Type	Dye-Sublimation		
	Print Area	Edge to Edge		
	Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono only)		
	Dual Side Printing	Option	Yes	Yes (Flipper Installed)
<b>Card</b>	Card Feeding	Automatic		
	Card Size	ISO CR80 or ISO CR79 (Option-Factory installed)		
	Card Thickness	0.38mm (15mil), 1.0mm (40mil)		
	Card Type	PVC, PET, Composite PVC		
<b>Print Speed</b>	Monochrome	5 sec./card (720 cards/hour)	5 sec./card (720 cards/hour)	5 sec./card (720 cards/hour)
	YMCKO	Max. 17 sec./card (212 cards/hour)	Max. 17 sec./card (212 cards/hour)	Max. 17 sec./card (212 cards/hour)
	YMCKOK	-	Max. 22 sec./card (164 cards/hour)	Max. 22 sec./card (164 cards/hour)
	Mode	-	-	Single & Dual
<b>Laminating</b>	Film (Clear & Holographic)	-	-	0.6mil, 1.0mil
	Speed Simultaneous (Single Lamination)	-	-	22 sec./card (YMCK)
	Speed One by One (Single Lamination)	-	-	32 sec./card (YMCKK)
	Speed One by One (Single Lamination)	-	-	43 sec./card (YMCK)
	Speed One by One (Single Lamination)	-	-	53 sec./card (YMCKK)
<b>Capacity</b>	Input Hopper: Card	100 Cards / 200 Cards with cover open		
	Output Hopper: Card	Front : 40 Cards / Rear : 100 Cards (Optional Rear-side Stacker)		
<b>System</b>	Memory	64MB RAM		
	Display	2 Line LCD		
	Control Panel	2 LED Buttons		
	Supported Platforms	Microsoft Windows 7/ 8 /10, Mac OS, Linux		
	Communication	USB, Ethernet (Option)		
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)		
	Power Consumption	48	48	96
<b>Dimensions</b>	Temp./Humidity	15~35℃ / 35~70%		
	Millimeter (WxLxH)	165 x 390 x210	165 x 498 x 210	165 x 675 x 210
	Inch (WxLxH)	6.5 x 15.4 x 8.3	6.5 x 19.6 x 8.3	6.5 x 26.6 x 8.3
<b>Weight</b>	Kg/lbs	4.5 / 10	5.2 / 11.5	8.8 / 19.4
<b>Encoding Options</b>	Magnetic	ISO 7811 (Track I, II, III Read/ Write, HiCo/ LoCo), JIS II		
	Contact	ISO 7816 (ID-1)		
	Contactless	MIFARE, ISO 14443 (Type A/ B), ISO 15693, DESFIRE, iCLASS		
<b>Certifications</b>	CB, CE, FCC, KC, CCC			

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## SMART-31 SERIES

Model	SMART-31S	SMART-31D	SMART-31R	
	Single Sided	Dual Sided	Rewritable	
<b>Printing</b>	Print Type	Dye-Sublimation		
	Print Area	Edge to Edge		
	Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono only)		
	Dual Side Printing	Option	Yes	No
<b>Card</b>	Card Feeding	Automatic		
	Card Size	ISO CR80		
	Card Thickness	0.38mm (15mil), 0.76mm (30mil)		
	Card Type	PVC, PET, Composite PVC	PVC, PET, Composite PVC	Rewritable Thermo-chromic Material
<b>Print Speed</b>	Monochrome	5 sec./card (720 cards/hour)	5 sec./card (720 cards/hour)	Max. 12 sec./card (300 cards/hour)
	YMCKO	Max.20 sec./card (156 cards/hour)	Max. 20 sec./card (156 cards/hour)	-
	YMCKOK	-	Max. 26 sec./card (124 cards/hour)	-
	Input Hopper: Card	80		
<b>Capacity</b>	Output Hopper: Card	25		
	Memory	64MB RAM		
<b>System</b>	Control Panel	1 LED Button		
	Supported Platforms	Microsoft Windows 7/ 8 /10, Mac OS, Linux		
	Communication	USB, Ethernet (Option)		
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)		
	Power Consumption	48	48	48
	Temp./Humidity	15~35℃ / 35~70%		
	<b>Dimensions</b>	Millimeter (WxLxH)	172 x 377 x 190	172 x 472 x 190
Inch (WxLxH)		6.8 x 14.8 x 7.5	6.8 x 18.6 x 7.5	6.8 x 14.8 x 7.5
<b>Weight</b>	Kg/lbs	3.4 / 7.5	4.2 / 9.5	3.4 / 7.5
<b>Encoding Options</b>	Magnetic	ISO 7811 (Track I, II, III Read/ Write, HiCo/ LoCo), JIS II		
	Contact	ISO 7816 (ID-1)		
	Contactless	MIFARE, ISO 14443 (Type A/ B), ISO 15693, DESFIRE, iCLASS		
<b>Certifications</b>	CB, CE, FCC, KC, CCC			

\*Print Speed : May change under specific condition.



## SMART-21 SERIES

Model		SMART-21S	SMART-21R
		Single Sided	Rewritable
Printing	Print Type	Dye-Sublimation	Thermal Transfer
	Print Area	Edge to Edge	
	Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono only)	
Card	Card Feeding	Manual / Hand-Fed	
	Card Size	ISO CR80	
	Card Thickness	0.76mm (30mil)	
	Card Type	PVC, PET, Composite PVC	Rewritable Thermo-chromic Material
Print Speed	Monochrome	6 sec./card (600 cards/hour)	Max. 12 sec./card (300 cards/hour)
	YMCKO	Max. 24 sec./card (150 cards/hour)	-
System	Memory	64MB RAM	
	Control Panel	1 LED Button	
	Supported Platforms	Microsoft Windows 7/ 8 /10, Mac OS, Linux	
	Communication	USB	
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)	
	Power Consumption	48	
	Temp./Humidity	15~35 °C / 35~70%	
Dimensions	Millimeter (WxLxH)	168 x 259 x 179	
	Inch (WxLxH)	6.6 x 10.2 x 7.0	
Weight	Kg/lbs	2.7 / 5.95	
Encoding Options	Magnetic	ISO 7811 (Track I, II, III Read/ Write, HiCo/ LoCo), JIS II	
	Contact	Kenington Lock	
Certifications		CB, CE, FCC, KC	

## SMART-70X

Model		SMART-70X
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
Card	Card Feeding	Automatic, Manual
	Card Size	ISO CR80 (54mm x 86mm / 2.12"x3.38")
	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
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%
	Temperature/Humidity	10~30°C / 20~80%
Security	Physical Lock	Laser System, Error Card Bin
	CLI (Changeable LaserImage)	Yes
Options	Magnetic	ISO 7811 (Track I, II, III Read/Write, HiCo/LoCo), JIS II
	Contact	ISO 7816 A/B/C Card, ISO 7816 1/2/3/4 Microprocessor Card
	Contactless	MIFARE, ISO 14443 (Type A/B), ISO 15693, DESFIRE, iCLASS
Dimensions	Millimeter (WxLxH)	450 x 230 x 425
	Inch (WxLxH)	17.7 x 9.1 x 16.7
Weight	Weight	Approx. 25 kg (55 lbs)
Laser Safety		IEC-60825-1 CLASS 1 Standard

\*Print Speed : May change under specific condition.  
Specifications and availability may change without notice.

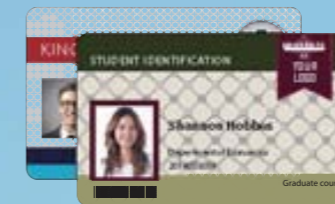
## WISE-LE

Model	WISE-LE		
<b>Laser Engraving</b>	Laser Type	6W Air-Cooled DPSS Laser, ND:YAG	
	Resolution	1200dpi	
	Scanning	Raster & Vector Scanning	
	Engraving Mode	Single or Dual-sided Laser Engraving	
<b>Card</b>	Card Feeding	Automatic, Manual	
	Card Size	ISO CR80 (54mm x 86mm / 2.12"x3.38")	
	Card Thickness	0.76mm (30mil)	
	Card Type	Laserable PVC, PC (Polycarbonate) Card	
<b>Capacity</b>	Input Hopper	Max. 500 Cards (Optional : WISE-LE Input Hopper)	
	Output Hopper	Max. 100 Cards (Option)	
	Error Card Bin	Max. 20 Cards	
<b>System</b>	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%	
	Temperature/Humidity	10~30°C / 20~80%	
	Physical Lock	Laser System, Error Card Bin	
<b>Security</b>	MLI (Multiple Laser Image)	Yes	
	<b>Dimensions</b>	Millimeter (WxLxH)	246 x 447 x 516
		Inch (WxLxH)	9.7 x 17.6 x 20.3
<b>Weight</b>	Weight	Approx. 25 kg (55 lbs)	
<b>Laser Safety</b>		IEC-60825-1 CLASS 1 Standard	

Specifications and availability may change without notice.

# TECHNOLOGIES FOR PRINTER

## 1 PLASTIC CARD PRINTING



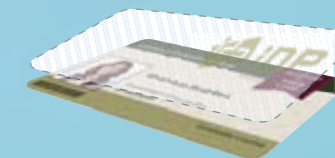
Plastic cards are prevalent in our daily lives, such as payment cards driver's licenses, membership cards and employee identification badges. Their standard size, portability, and durability make them the ideal choice for many applications.

## 2 LAMINATION



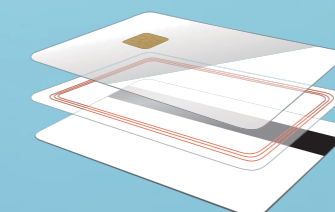
Lamination is a polyester film laminated to a card's surface to protect it from alteration and wear and tear. Holograms can be added to the lamination for added security. In normal use, a laminate can increase your cards' life by up to 5 times.

## 3 UV PANEL



The Ultra-Violet (UV) ink panel on a YMCFKO (F is the UV Panel) ribbon is a blacklight reactive ink that is not visible with the naked eyes. It is cost-effective and an easy way to add variable security to your cards. The SMART drivers offer easy tools to personalize UV printing, no matter the ID software in use.

## 4 ENCODING



Encoding is one of the important functions in ID card printer. We issue ID card not only for visual identification but for storing digital information. There are three major encoding methods- magnetic, contact IC, and contactless. IDP printers support all three types. New encoding methods and protocols come to market frequently, so contact IDP's Sales Team for the best solution to your encoding needs.