www.idp-corp.com

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IDP

ID CARD PRINTING
SOLUTION

idp ID Card Printing Solution

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idp IDP

02

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03

AN INNOVATIVE ID CARD PRINTER TECHNOLOGY LEADER

IDP, a leading global manufacturer of SMART ID Card Printer, provides a trusted secure ID card solution with over 58 countries worldwide.

With more than 15 years, IDP engages in the development, design, and manufacture of ID Card printer enabling high performance with the latest mechanical, electronic, and software technology & support.

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

IDP Card printers provide a complete range of (or comprehensive) printing solutions for a desktop color printer, laminating, laser engraving card printer, and all encoding options such as magnetic stripe and contact and contactless smart card.

These printers are used everywhere needed plastic cards such as employee badges, student IDs, payment cards, access control cards, customer membership, and loyalty cards, etc,.

As a pioneer of SMART card printing technology, our goal is to make plastic card printing widely available, offering business users the best-action guidance on-demand project, and to be future-ready leaders in the industry.

We look forward to your continued interest and trusted partner relationship with you.
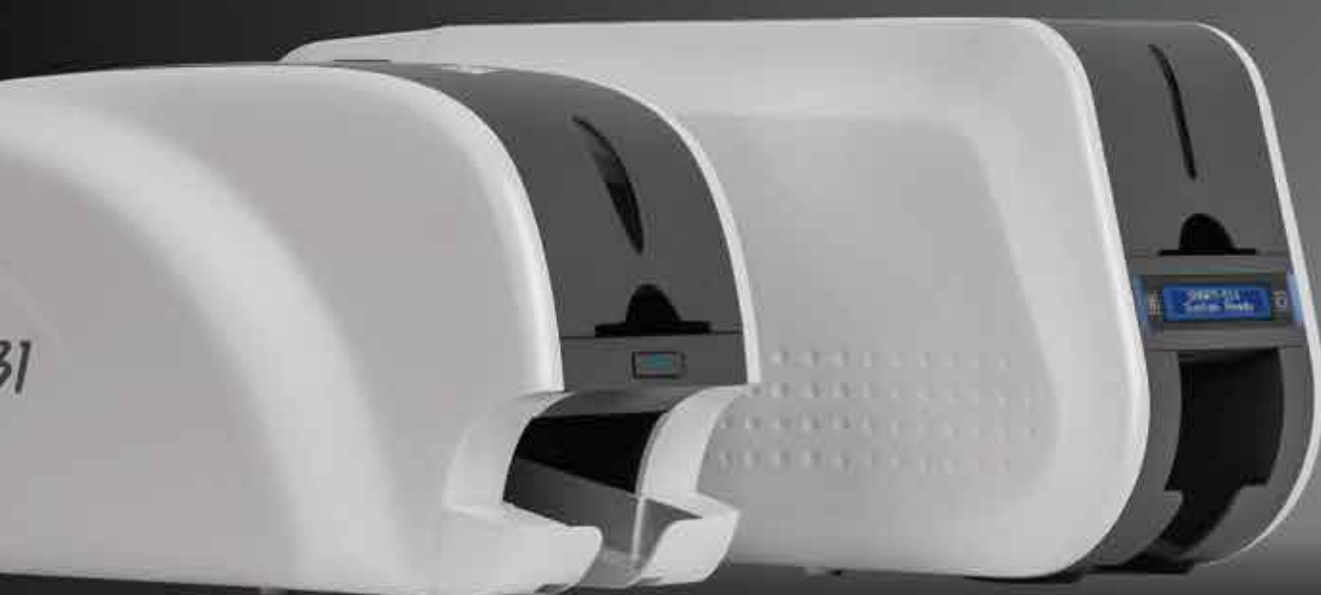
smart 70
Whatever you want or need!

smart 51

smart 31

smart BiT

WiSE

smart
SERIES

| TECHNOLOGY | SOFTWARE | CONVENIENCE |

smart SERIES

SMART SERIES : The IDP SMART series card printers, engineered direct dye-sublimation method, are used a wide range of plastic card markets including commercial and government applications. SMART series is designed for producing user-friendly, flexibility, and high-quality Photo ID cards, with models ranging from entry-level to professional.

Printers are available in single or dual-sided print and with many additional features, including flipper, lamination modules, ethernet connectivity, and various encoders such as magnetic stripe, contact, and contactless. The enhanced FINE™ Imaging Technology of the SMART series enhances you to experience brilliant, full-color images. There is a SMART series to meet all your business needs;

Employee IDs, Banking cards, Membership cards, Access control badges, Government credentials credentials, and much more.

TECHNOLOGY

_ Clear printing by FINE™ Imaging Technology
_ Instant direct heating mechanism for lamination *Patent
_ Field upgradable options for dual sided printing and laminating
_ Field upgradable encoders for magnetic stripe, contact and contactless smart card
_ Automatic ribbon recognition and no need for sensors & motors calibration
_ Eco-friendly rewritable printing (SMART-31R)
_ 500 cards & scratch free (SMART-70) *Patent
_ High-durability: Metal frame & shaft, all bearing (SMART-51 & 70)
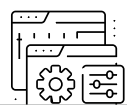
SOFTWARE

_ SMART SDK, to develop customized applications
_ SMART Utilities, to check working states and adjust configurations
_ Smart ID for designing and issuing cards
_ On-Line 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
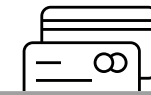
SMART IDesigner ensures appropriate card issuance and data management with SMART series printers at no extra cost. This application allows you to design and issue a desired card conveniently. It can be easily used with simple essential functions. Also, it is designed for advanced users to use a variety of detailed functions.

_ Design and print (Image, Photo and Text)	_ Plug-in for supporting external devices
_ 1D & 2D Barcode printing	(Sign pad, Camera, Scanner)
_ Auto portrait (Auto face detection,	_ Convenient card issuance and data management
adjustment of size & position)	_ Magnetic stripe (MS), contact & contactless
_ Printing of sequential numbers	smart card encoding by using plug-in program
_ Card design templates	

SMART IDesigner is a software which is provided with SMART Series Card Printer.

HIGH SECURITY

SMART Series provides effective 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 server 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 encoding the contact & contactless smart card by Ethernet.

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

Google play App Store

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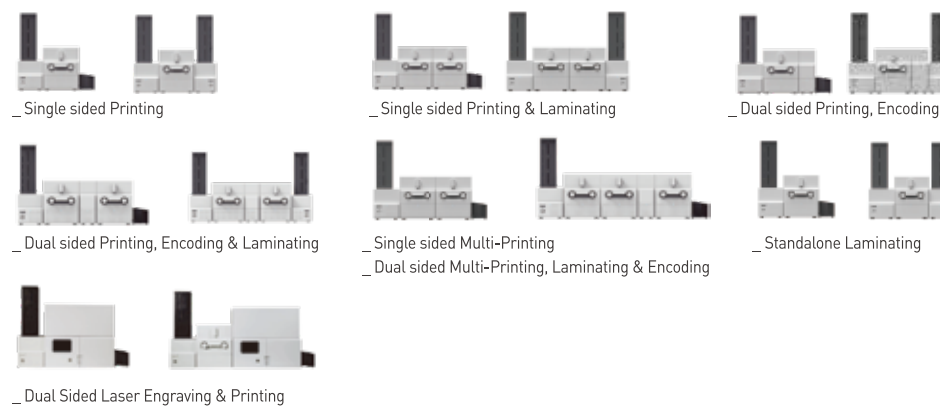
Specialty applications such as duplex monochrome, scratch-off personalization, and ultra-high speed (9.9sec YMCKO) can be accommodated with IDP's SMART-70 Dual Printer configuration.

TAILOR-MADE MODULAR DESIGN, ULTIMATE ID CARD PRINTER SOLUTION

INPUT HOPPER   PRINTER   HYBRID FLIPPER

LAMINATOR   OUTPUT HOPPER   FULL MODULAR

SCALABILITY

**JUST CONNECT
EACH MODULES
AND SYNCHRONIZE**

_ Single sided Printing

_ Single sided Printing & Laminating

_ Dual sided Printing, Encoding

_ Dual sided Printing, Encoding & Laminating

_ Single sided Multi-Printing
_ Dual sided Multi-Printing, Laminating & Encoding

_ Standalone Laminating

_ Dual Sided Laser Engraving & Printing

MULTI-PRINTER COMBINATION

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

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

* For Single sided Partial area or Full area Color Printing

FEATURES

INPUT HOPPER | PRINTER | HYBRID FLIPPER | LAMINATOR | OUTPUT HOPPER | STACKER

1
_ Large Capacity Max. 500cards
_ Scratch Free
_ Hook for Card-In
_ Residual Q'ty Sensor
  Near empty & empty alert notifications
_ High Durabillity / Indicator LED
_ Physical Lock & Kensington Lock

2
_ High Speed Printing
  Max. 1,000 cards/h (Mono), Max. 225 cards/h (YMCKO)
_ Enhanced FINE ™ Imaging Technology
_ Drawer type ribbon cartridge
_ Installable MS & Contactless Encoder
_ LCD & Button / Indicator LED
_ High Durability
_ Physical Lock & Kensington Lock

3
_ Installable Encoding modules
  Contact & Contactless Smartcard Encoder
_ Card Flipper
_ High Durabillity / Indicator LED
_ Error Card Bin* (Max. 30 cards)
_ Physical Lock & Kensington Lock

4
_ No warming-up time
  Instant direct heating mechanism
_ Scratch Free
_ Drawer type film cartridge
_ LCD & Button / Indicator LED
_ High Durabillity
_ Physical Lock & Kensington Lock

5
_ Large Capacity Max. 500 cards
_ Scratch Free
_ Residual Q'ty Sensor
  Full Space alert notifications
_ High Durability
_ Indicator LED
_ Physical Lock & Kensington Lock

6
_ Max. 100 cards

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

300 Cards loading
500 Cards loading

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

INPUT HOPPER
Weight dispersion point

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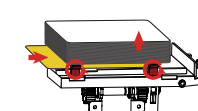
OUTPUT HOPPER
When a card is put in the output hopper, to protect the card's surface, the loaded cards are raised by the support beam which is operated by the internal CAM.

STAND-ALONE LAMINATOR

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

HIGH DURABILITY

METAL FRAME

**METAL SHAFT &
ALL BEARING**

smart 70X

08
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09

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.

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
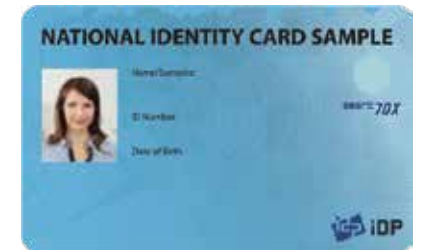
FLEXIBILITY

EASILY UPGRADABLE,
NO NEED FOR TOOLS OR
IT TECHNICIAN

JUST CONNECT EACH MODULES AND SYNCHRONIZE

INPUT HOPPER + PRINTER + LASER ENGRAVER + HYBRID FLIPPER + LAMINATOR + OUTPUT HOPPER

smart 51

Single-sided SMART-51(51S) can be transformed into a dual-sided printer(51D) or into dual-sided printer with laminator (51L) by applying Flipper module or Laminator module at the back of the printer which can be easily installable. SMART-51 Laminator is a good option for printing and laminating at the same time which enables to produce extra security long-life ID cards with customizable security patch films. With DLW (Direc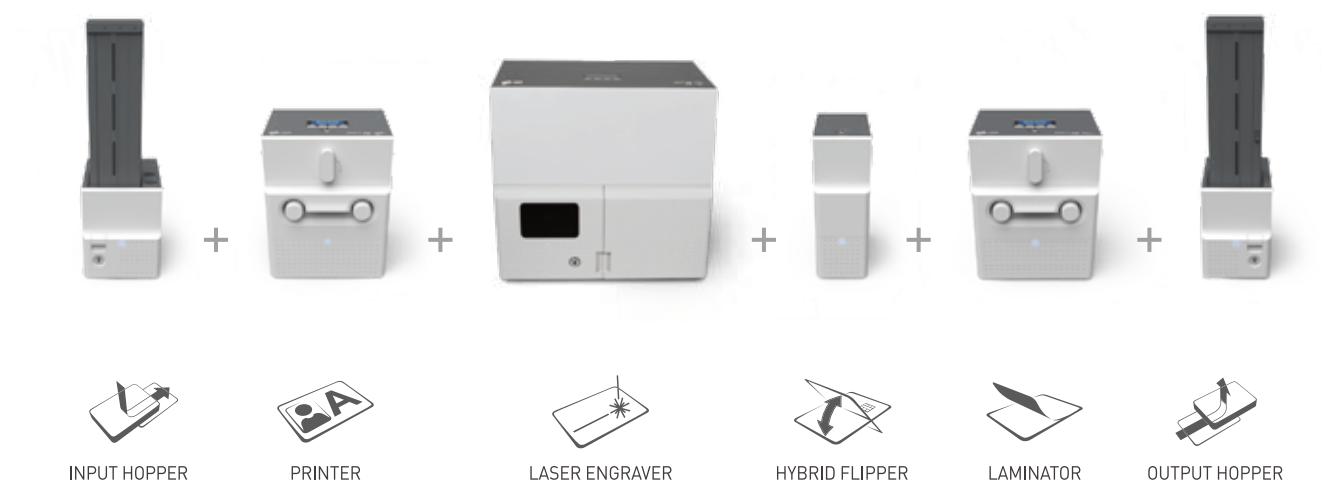t Laminating in a Wink) technology, SMART-51 Laminator ensures the most stable & fast laminating with premium quality protection for ID cards.

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-51 S

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-51 D

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-51 L

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

200 CARDS LOADING

100 CARDS LOADING

200 cards with cover open,

100 cards in default
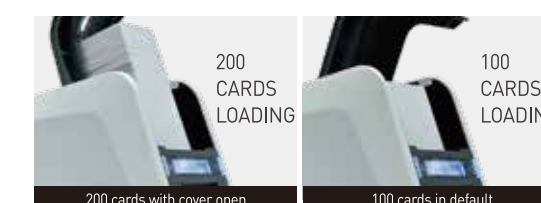
2 SINGLE CARD FEEDER

(*OPTION)

3 REMOVABLE - OUTPUT HOPPER

4 REAR-SIDE STACKER

(UP TO 100 CARDS)
(*OPTION)

smart 31

SMART-31 Series value class ID card printer for everyone which is a perfect solution for printing ID cards at a low budget. SMART-31S(single-sided), SMART-31D (dual-sided) and SMART-31R (rewritable) printer models are available. SMART-31 Rewritable printer is an ideal solution for printing temporary information on ID cards

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
_ HIGH DURABILITY
_ ETHERNET [*OPTION]

smart-31 S

SINGLE SIDED
ID CARD
PRINTER

_ Single Sided Printing
_ Print Speed: Max. 23 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-31 D

DUAL SIDED
ID CARD
PRINTER

_ Single or Dual Sided Printing
_ Print Speed: Max. 29 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-31 R

REWRITABLE
ID CARD
PRINTER

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

ERASE — Rewrite
Rewrite — ERASE
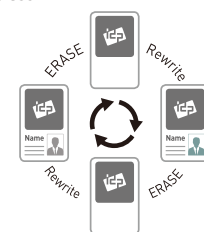
PROVIDES A COST
EFFECTIVE SOLUTION!

TECHNOLOGIES
FOR PRINTER

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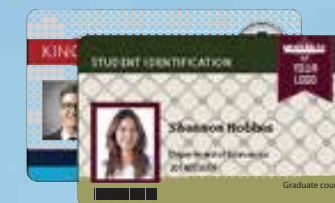
Plastic cards are prevalent in our daily lives, such as payment cards driver's licenses, membership cards and employee identification badges. Their standard size, portability, and durability make them the ideal choice for many applications.

2 LAMINATION

Lamination uses polyester film onto a card's surface to protect it from heat, pressure, wear, tear and to fight adhesive things. The film is applied to card at a high temperature.

3 UV PANEL
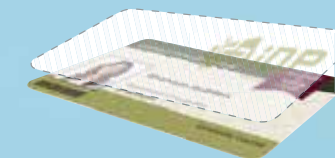
The UV Panel is an advanced form of panel for security that shows a fluorescence image with UV light.
It is cost-effective and an easy way to protect fake cards. To prevent counterfeit, some ID cards include a UV watermark which is only visible under the UV light.

4 ENCODING
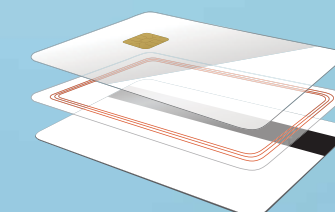
Encoding is one of the important functions in ID card printer. We issue ID card not only for visual identification but for storing some information. There are three major encoding methods such as magnetic stripe, contact IC and contactless IC. IDP Card printer supplies all kinds of encoding options together with the picture quality printing.

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.

14
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15

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

_ 1 to 4 Hopper Selectable
  [up to 2,000 cards or 4 different card types]

_ 300 or 500 cards Selectable Cartridges

_ Print speed: Max. 212 cards/hour [YMCKO]

_ Compact and Reliable design

_ Customizable bottom plate
  [Size, Layout of Control Panel & Adaptors, etc.]

_ Installable MS, Contact & Contactless Encoder

_ Scratch Free

_ Residual Q'ty Sensor

_ Top-side Mag. Encoding
  [*Option]

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smart 70

MULTIPLE HOPPER

Multiple hopper system for SMART-70 is designed to fit the needs of large capacity with high efficiency for Kiosk operation. From minimum 2 to maximum 6 large capacity 500 cards hoppers can be used depending on the user environment. Monochrome ribbon supports up to 3000 prints minimizing maintenance cost and time and up to 3000 cards loadable hoppers with 6 different types on each hopper will maximize the efficiency of Kiosk application. Advantage of SMART-70's unique full modular design makes it possible to add Encoding module and Laminating module. Full metal structure of the multiple hopper system is ideal for high volume issuance environment.

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
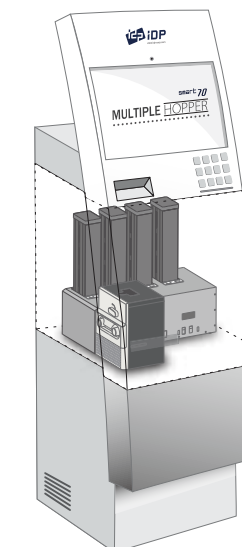
Max. **3,000** cards loading

Up to. **6** different type cards loading
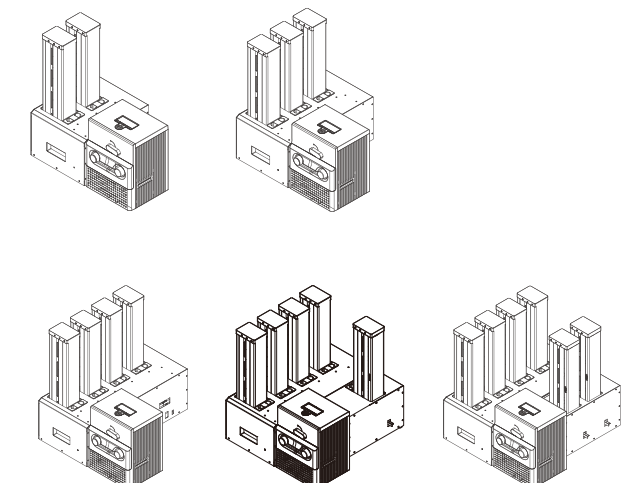
smart BIT

Ribbon Shredder
for Security Assurance

SECURELY DESTROY SENSITIVE PERSONAL INFORMATION

FLEXIBLE CARD PRINTER RIBBON COMPATIBILITY

The SMART-BIT is designed to accom - modate the industry's popular brands of direct-to-card printer ribbons.

SECURITY ASSURANCE

Protecting personal information is para mount and IDP SMART-BIT shredder is specially designed to ensure the secure destruction of used ID Card Printer Rib- bon with 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 *Patent
With the IDP's Twisted Micro-Cut Tech- nology, SMART-BIT uses unique twist and cut motions to completely shred ID Card Printer ribbon.

COMPLETE SHREDDING

With the IDP's Twisted Micro-Cut Technolo gy, SMART-BIT uses its unique twist and cut motions to completely shred ribbon panels 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.

60mm
90mm

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 *Patent
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℃ / 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 the printer delivers the maximum impact and ease-of-use with glossy photo, real edge-to-edge printing, remains free of head-damage and offers real versatility all with a dramatically smaller body design.

Ideal for both simpler applications such as single-side membership cards, gift cards, on-demand ID cards and for corporate and governmental ID card, the WISE-CXD80 provides the integration of proven, long-established technology with a compact and user-friendly body.

HIGH QUALITY, RELIABILITY, AND CONVENIENCE

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

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

WiSE - CL600

LAMINATOR For
WISE Series

WISE-CL600 Laminator   WISE-CXD80 Printer

PRINT WITH SECURITY

UV Printing   Media Cassettes

Security Erase
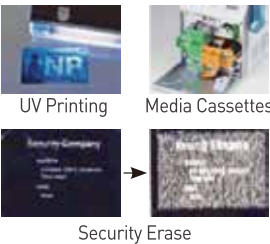
WiSE-LE

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-CXD80DS Printer

STAND-ALONE LASER ENGRAVING

WISE-LE Laser Engraver
+
Input Hopper

AIR CLEANING MODULE

WISE-LE Laser Engraver
+
Air Cleaning Module

SMART IDesigner

IDP SMART IDesigner Software makes it easy for you to design and print professional ID badges and a multitude of other plastic card needs at your fingertips.
SMART IDesigner allows you to add images, text, barcodes, manage databases and provide 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
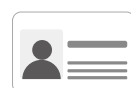
Design & Print

Encoding
MS, Contact & Contactless
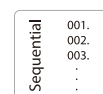
Sequential Number

Auto portrait

1D & 2D Barcode printing

Plug-in
Camera, Sign pad, Scanner

Card design Templates

Convenient Data management

IDP's 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.

APPLICATIONS

PRINTING SOLUTION IN VERTICAL MARKETS

IDP card printers help business identity and on-demand security more efficiently, we provide solutions everywhere is needed plastic cards such as a corporation, financial, education, government, and healthcare, etc.

CORPORATION

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

FINANCIAL

Banks are establishing instant credit or debit card issuing system instead of centralized issuing system. In this case, customers do not need to wait till their financial cards are issued.

ACCESS CARD

Access control card has many objectives, including controlling access to door and gate, 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 ID card printer is suitable to issue all kinds of student ID card.

GOVERNMENT

All of official ID cards have powerful security functions and abilities to fight forgery attempts, as well as wear and tear. IDP card printer provides high security function and durability

TRANSPORTAION

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.

SECURITY FILMS

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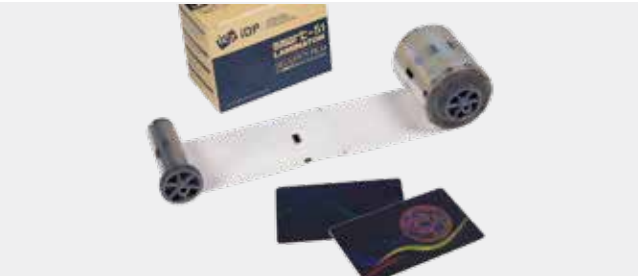
CLEANING KITS

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

CARDS

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

Consumables for **SMART-70 SERIES**

COLOR RIBBONS

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

MONO RIBBONS

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

SECURITY FILMS

HPF	500 Cards/Roll	Hologram Patch Film
CPF	500 Cards/Roll	Clear Patch Film

Consumables for **SMART-51 & 31 SERIES**

COLOR RIBBONS

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

MONO RIBBONS

KO	600 Cards/Roll	Black with Overlay
K	1200 Cards/Roll	Black
W	1200 Cards/Roll	White
B	1200 Cards/Roll	Blue
R	1200 Cards/Roll	Red
MG	1200 Cards/Roll	Metallic Gold
MS	1200 Cards/Roll	Metallic Sliver
SO	1200 Cards/Roll	Scratch-Off

SECURITY FILMS

HPF	250 Cards/Roll	Hologram Patch Film
CPF	250 Cards/Roll	Clear Patch Film

Consumables for **WISE SERIES**

COLOR RIBBONS FOR WISE

YMCK	⬤⬤⬤⬤	1,000 Cards/Roll	Full Color Ribbon with Resin Black
YMCKK	⬤⬤⬤⬤⬤	750 Cards/Roll	Full Color Ribbons with Resin Black & Black for Back Side
YMCKUV	⬤⬤⬤⬤⬤	750 Cards/Roll	Full Color Ribbon with Resin Black & UV Panel
YMCKPo	⬤⬤⬤⬤⬤	750 Cards/Roll	Full Color Ribbon with Resin Black & Peel off

RETRANSFER FILM

Retransfer Film		1,000 Cards/Roll

SECURITY FILM

HOF		1,000 cards/Roll	Hologram Standard Overlay Film
CPS		600 cards/Roll	Clear Patch with Smart cut
CPF		600 cards/Roll	Clear Patch Film

OTHERS

CLEANING KITS

Cleaning Roller	Cleaning Card	Long Cleaning Card
Remove the dust, debris on the cards	Manual Cleaning	Automatic Cleaning

Cleaning Swab	Cleaning Pen	Cleaning Card for WISE
Printer Head & Roller Cleaning	Print Head Cleaning	Manual Cleaning

PRIMUS CARD

ISO CR80 | 30mil/0.76mm
_ Blank white PVC Card
_ Laserable PVC Card
_ Paper Card

SMART-BIT ACCESSORIES

Dust Bag	Large Waste Bin	Large Dust Bag
Genuine Dust Bag for SMART-BIT	Genuine Large Waste Bin for SMART-BIT	Genuine Large Dust Bag for Large waste bin

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smart 70

smart 51

smart-51 S   smart-51 D   smart-51 L
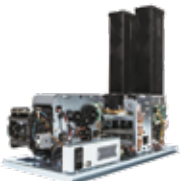
smart 31

smart-31 S   smart-31 D   smart-31 R

smart 51
KIOSK CARD PRINTER

smart 70
Multiple Hopper

smart 70X

WISE-LE

smart BIT

WISE

SMART-70 PRINTER

Printing	Print Type	Direct Dye-Sublimation
	Print Area	Edge to Edge
	Resolution	300dpi
Card	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
Print Speed	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)
Capacity	Input Hopper: Card	500 cards
	Output Hopper: Card	Stacker : 100 cards /
		*Optional Output Hopper : 500 cards
System	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℃ / 35~70%
Encoding Options	Magnetic	ISO 7811 (Track I, II, III Read/ Write, HiCo/ LoCo), JIS II
	Contactless	MIFARE, ISO 14443 (Type A/ B), ISO 15693, DESFIRE, iCLASS
Security	Physical Lock	Ribbon
	S/W	PC authentication, Password authentication
	Station Itself	Kensington Lock
Dimensions	Millimeter	240 (W) x 214 (L) x 305 (H)
	Inch	9.5 (W) x 8.4 (L) x 12 (H)
Weight	kg/lbs	Approx. 6.3 kg/13.9 lbs

SMART-70 LAMINATOR

Laminating	Type	Direct Heating Lamination
	Speed	19 sec./card (Single-sided Laminating)
Laminating Film	Type	Clear, Holographic
	Thickness	0.6mil, 1.0mil
	Capacity	500 cards/Roll
System	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℃ / 35~70%
Security	Physical Lock	Laminating Film
	Station Itself	Kensington Lock
Dimensions	Millimeter	240 (W) x 214 (L) x 305 (H)
	Inch	9.5 (W) x 8.4 (L) x 12 (H)
Weight	kg/lbs	Approx. 6.1 kg/13.4 lbs

SMART-70 HYBRID FLIPPER

Encoding Options	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
System	Communication	USB
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)
	Power Consumption	24V, 2A
	Temperature/Humidity	15~35℃ / 35~70%
Security	Physical Lock	Encoder or Error Card
	Station Itself	Kensington Lock
Dimensions	Millimeter	110 (W) x 204 (L) x 305 (H)
	Inch	4.3 (W) x 8.0 (L) x 12 (H)
Weight	kg/lbs	Approx. 2.8 kg/6.2 lbs. Without Optional modules)

Error Card Bin
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

Capacity	Input / Output	500 or 300 cards Cartridge Selectable
	Feeding	Automatic
Card	Size	ISO CR80 (54mm x 86mm / 2.12" x 3.38")
	Thickness	0.38mm (15mil), 1.2mm (47mil)
	Type	PVC, Composite PVC, PET
Sensor	Residual Q'ty Sensor	Input: Near Empty & Empty / Output: Full Space
	Detection Sensor	Cartridge Mount Status Detectable
System	Communication	USB, RS-232C
	Power	Free Voltage (AC 100/ 220V, 50~60Hz) / 24V, 2A
	Temperature/Humidity	15~35℃ / 35~70%
Security	Physical Lock	Cartridge
	Station Itself	Kensington Lock
Dimensions	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
Weight	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
Printing	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)
Card	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		
Print Speed	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)
Laminating	Mode	-	-	Single & Dual
	Film (Clear & Holographic)	-	-	0.6mil, 1.0mil
	Speed — Simultaneous (Single Lamination)	-	-	22 sec./card (YMCK)
		-	-	32 sec./card (YMCKK)
	Speed — One by One (Single Lamination)	-	-	43 sec./card (YMCK)
		-	-	53 sec./card (YMCKK)
Capacity	Input Hopper: Card	100 Cards / 200 Cards with cover open		
	Output Hopper: Card	Front : 40 Cards / Rear : 100 Cards (Optional Rear-side Stacker)		
System	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
	Temp./Humidity	15~35℃ / 35~70%		
Dimensions	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
Weight	Kg/lbs	4.5 / 10	5.2 / 11.5	8.8 / 19.4
Encoding Options	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		
Certifications		CB, CE, FCC, KC, CCC		

SMART-31 SERIES

Model		SMART-31S	SMART-31D	SMART-31R
		Single Sided	Dual Sided	Rewritable
Printing	Print Type	Dye-Sublimation		Thermal Transfer
	Print Area	Edge to Edge		
	Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono only)		
	Dual Side Printing	Option	Yes	No
Card	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 Thermochromic Material
Print Speed	Monochrome	5 sec./card (720 cards/hour)	5 sec./card (720 cards/hour)	Max. 12 sec./card (300 cards/hour)
	YMCKO	Max.23 sec./card (156 cards/hour)	Max. 23 sec./card (156 cards/hour)	-
	YMCKOK	-	Max. 29 sec./card (124 cards/hour)	-
Capacity	Input Hopper: Card	80		
	Output Hopper: Card	25		
System	Memory	64MB RAM		
	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%		
Dimensions	Millimeter (WxLxH)	172 x 377 x 190	172 x 472 x 190	172 x 377 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
Weight	Kg/lbs	3.4 / 7.5	4.2 / 9.5	3.4 / 7.5
Encoding Options	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		
Certifications		CB, CE, FCC, KC, CCC		

*Print Speed : May change under specific condition.

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 (Polycorbonate) 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℃ / 20~80%
Security	Physical Lock	Laser System, Error Card Bin
	CLI (Changeble 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
	Contactiess	MIFARE, ISO 14443 (Type A/B), ISO 15693, DESFIRE, iCLASS
Dimensions	Millimeter (WxLxH)	450 x 230 x425
	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

WISE-LE

Model		WISE-LE
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 (Polycorbonate) Card
Capacity	Input Hopper	Max. 500 Cards (Optional : WISE-LE Input Hopper)
	Output Hopper	Max. 100 Cards (Option)
	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℃ / 20~80%
Security	Physical Lock	Laser System, Error Card Bin
	MLI (Multiple Laser Image)	Yes
Dimensions	Millimeter (WxLxH)	246 x 447 x 516
	Inch (WxLxH)	9.7 x 17.6 x 20.3
Weight	Weight	Approx. 25 kg (55 lbs)
Laser Safety		IEC-60825-1 CLASS 1 Standard

Specifications and availability may change without notice.