



Input Hopper



Encoder



Printer



Flipper



Laminator



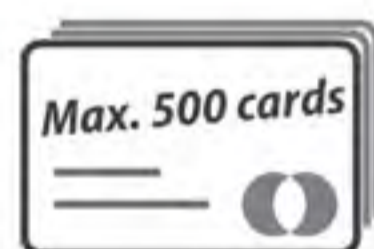
Output Hopper



Full Modular



Large Capacity, High speed Printing, Flexibility, High Durability, Scratch Free, Ideal for KIOSK



Large Capacity



Flexibility



High Durability



High Speed Printing

SMART-70 Series, the large capacity card printer from IDP, is ideally suited to users who have large capacity needs, or for end-users who would like to secure their credential media in the securely locked printer. The SMART-70 Series offers a unique modular design that is easily upgraded by the end-user.

Configurations vary from single sided only printing to a fully configured system with dual sided printing, lamination and 500-card output hopper.

The easily upgradeable the printer offers a simple no-tool upgrade strategy that any dealer or IT technician would be able to manage in minutes.

The large capacity consumables save time and increase productivity by reducing the number of times needed to reload the printer.

Each station (printer, encoding station, laminator, flipper, hopper) connects with an alignment plate. Each station has its own power supply and communication cable to connect each station and synchronize their operation.

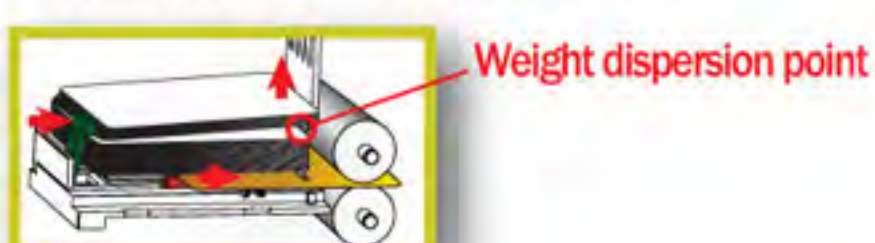
Versatile Hopper

- High Volume Input & Output Hoppers (Max. 500-card capacity)
- Residual Quantity Sensor
- Physical Lock & Kensington Lock
- Scratch Free



- 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 cards' surface.



* Input Hopper

- 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.



* Output Hopper

High Durability



Metal Shaft & Ball Bearing

Ideal for KIOSK

- High Capacity
- Multi Hopper
- Scratch Free
- High Durability
- High Speed Printing
- Modular Design





• Input Hopper

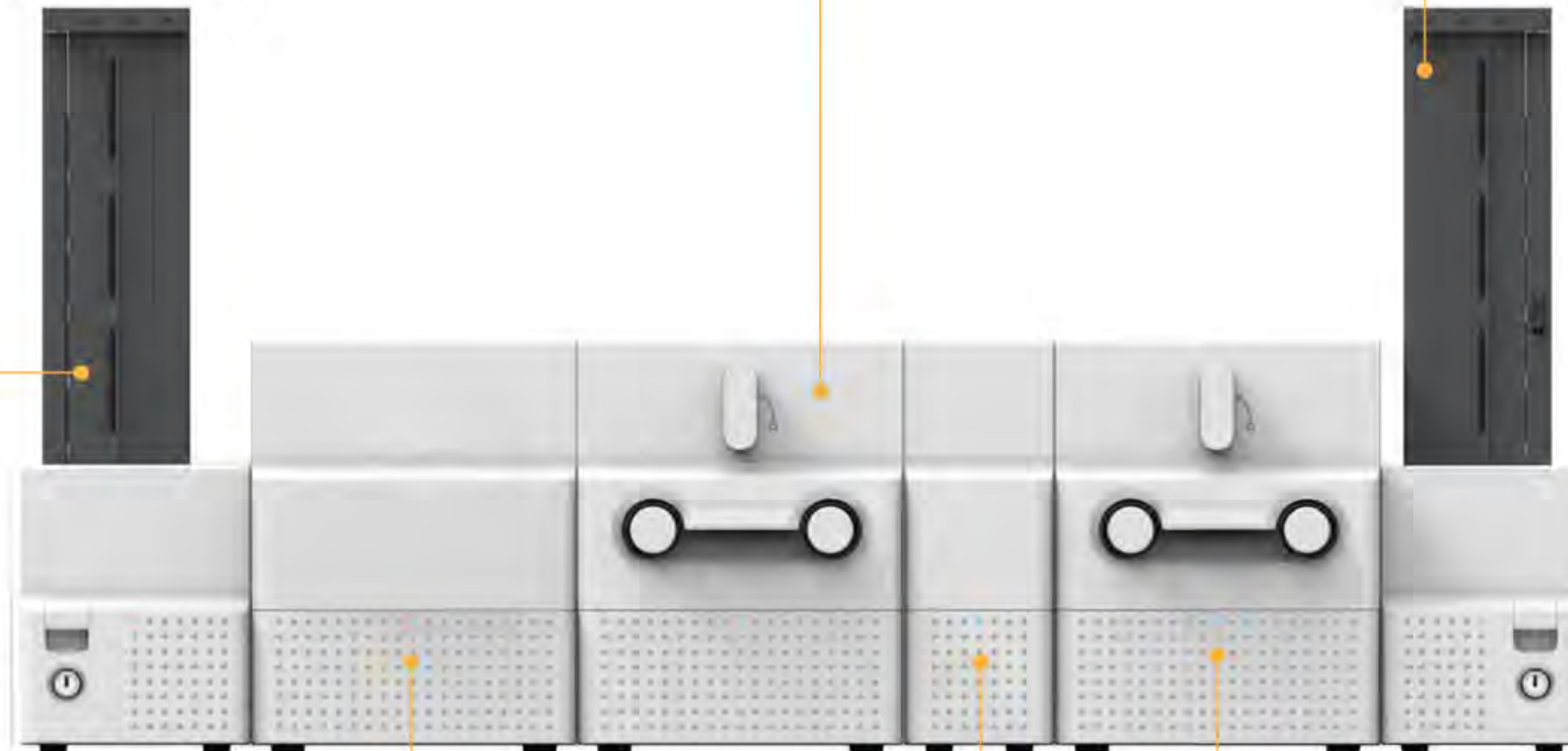
- Large Capacity
Max. 500 cards
- Scratch Free
Preventing damage on the surface of cards by pushing cards to the weight dispersion point to disperse the weight of stacked cards
- Hook for Card-In
Hook is applied to the input hopper to assure correct card feeding
- Advanced Cleaning Roller Cartridge
- Physical Lock & Kensington Lock

• Printer

- High-Durability
Metal Frame & Shaft, Ball bearing
- The enhanced FINE™ Imaging Technology
- Drawer type Ribbon Cartridge
- Installable Encoder (MS & Contactless)
- Physical Lock & Kensington Lock

• Output Hopper

- Large Capacity
Max. 500 cards
- Scratch Free
Preventing damage on the surface of cards by raising the stacked cards
- Physical Lock & Kensington Lock



• Stacker
(Max. 100 cards)



• Encoding Station

- Encoders & Reader
MS, Contact & Contactless smart card encoder, 1D & 2D-Barcode reader
- Reversible Magnetic Stripe Encoder
- Scratch Free
The MS encoding head is put down only when the card is being encoded
- Kensington Lock

• Flipper

- Error Card Bin
- Physical Lock & Kensington Lock

• Laminator

- Instant Direct Heating Laminator
No warming-up time, Low power consumption
- Laminating patch Position Adjustment
Vertical & horizontal position can be adjusted
- 95% Laminating patch Coverage
- Drawer type Laminate patch Cartridge
- Physical Lock & Kensington Lock



ISSUANCE

SMART Applications ensure proper card issuance and data management with SMART series printers at no extra cost.

SMART Design

- Design and Print (Images, Photos, Texts, etc.)
- 1D & 2D Barcode printing
- Auto portrait
(Auto face detection & adjustment of size & position)

SMART DB

- Convenient issuance of cards and data management
- Supports ODBC (Open Database Connectivity)
- Magnetic stripe (MS), contact & contactless smart card encoding by using plug-in program



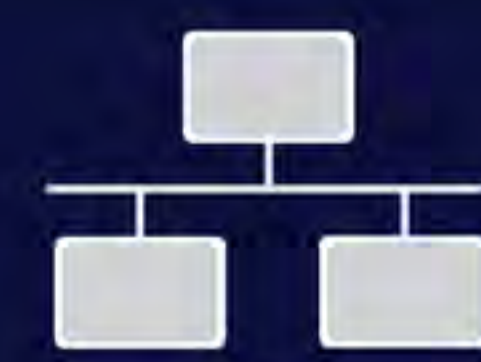
SECURITY

SMART series provides effective security features for access control and data encryption.

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.



NETWORKING

SMART series can utilize the network printer server for encoding and printing cards.

SMART Ethernet module can not only print cards but also encode MS, contact and contactless smart cards 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 for contact & contactless smart cards by Ethernet.

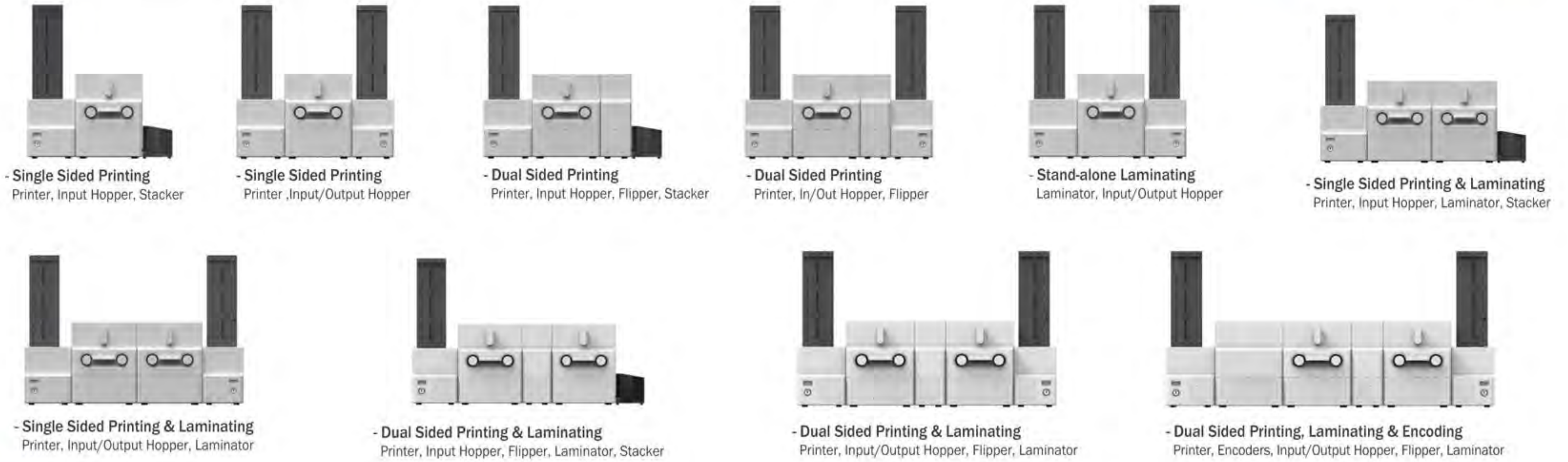
SMART-70 Printer	Printing	Print Type	Direct Dye-Sublimation		
		Print Area	Edge to Edge	Resolution	300dpi
	Card	Card Feeding	Automatic	Card Size	ISO CR80 (54mm x 86mm / 2.12" x 3.38")
		Card Thickness	0.38mm (15mil), 1.2mm (47mil)	Card Type	PVC, Composite PVC, PET
	Print Speed	Monochrome	3.6 sec./card (1,000 cards/hour)	YMCKO	18 sec./card (200 cards/hour), Max. 16 sec./card (225 cards/hour)
		YMCKOK	24 sec./card (150 cards/hour), 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	Microsoft Windows 2000/ 2003/ XP/ Vista/ 7/ 8, Mac OS, Linux		
		Communication	USB, Ethernet	Power Supply	Free voltage (AC 100/ 220V, 50~60Hz)
Power Consumption		24V, 2A	Temperature/Humidity	15~35℃ / 35~70%	
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 Encoder	Encoding Sensor	Magnetic	ISO 7811 (Track I, II, III Read/Write, HiCo / LoCo), JIS II	Contact	ISO 7816 (ID-1)
		Contactless	MIFARE, ISO 1443 (Type A/B), ISO 15693, DEFIRE, iCLASS	Barcode Reader	1D & 2D Barcode Reader (Front/Back)
	System	Communication	USB, RS-232C	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)
		Power Consumption	24V, 2A	Temperature/Humidity	15~35℃ / 35~70%
	Security	Physical Lock	Encoding Station	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	TBD			

SMART-70 Laminator	Laminating	Type	Direct Heating Lamination	Speed	14 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, 2A	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 Flipper	System	Communication	USB, RS-232C	Power	Free Voltage (AC 100/ 220V, 50~60Hz) / 24V, 2A
		Temperature/Humidity	15~35℃ / 35~70%		
	Security	Physical Lock	Cards	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		
Error Card Bin	Ejection device for faulty card is equipped inside Flipper (Max. 30 cards)				

SMART-70 Input / Output Hopper	Capacity	Input / Output	Max. 500 cards	Feeding	Automatic
	Card	Size	ISO CR80 (54mm x 86mm / 2.12" x 3.38")		
	Sensor	Thickness	0.38mm (15mil), 1.2mm (47mil)	Type	PVC, Composite PVC, PET
		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	



Dimensions

Printer & Laminator



Encoder



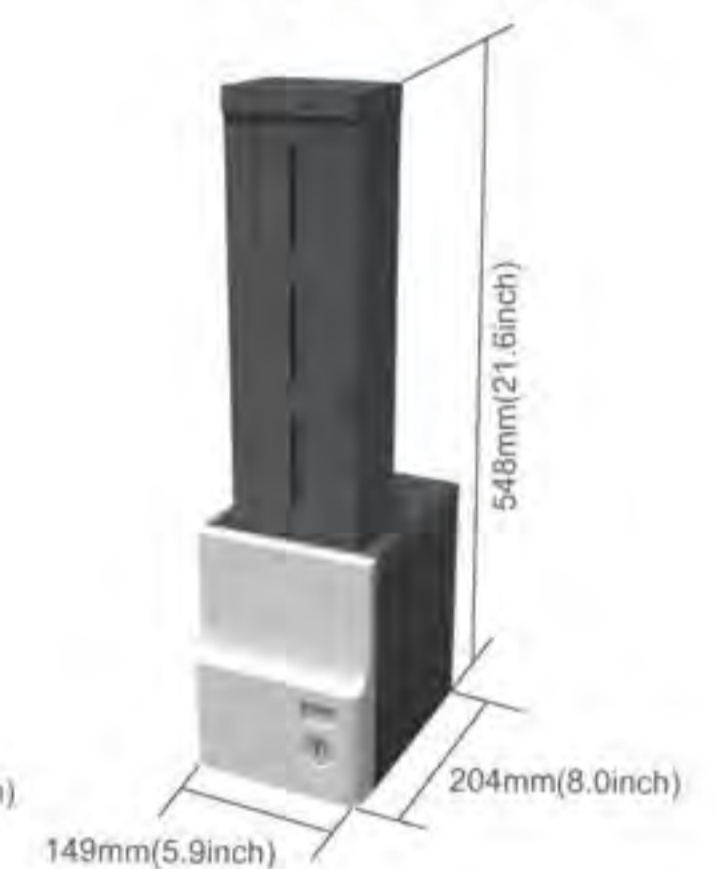
Flipper

















Input Hopper



Output Hopper



Consumables

	YMCKO	YMCKOK	YMCFKO	HYMCKO	CPF	HPF		
	Full Color Ribbon with Resin Black & Overlay	Full Color Ribbon with Resin Black, Overlay & Black for Back Side	Full Color Ribbon with UV Panel, Resin Black and Overlay	Half Panel Size Color Ribbon with Resin Black and Overlay	Clear Patch Film	Hologram Patch Film		
 COLOR RIBBONS								
	500 Cards/Roll	500 Cards/Roll	500 Cards/Roll	1000 Cards/Roll	500 Cards/Roll	500 Cards/Roll		
 MONO RIBBONS								
	Black with Overlay	Black	White	Blue	Red	Metallic Gold	Metallic Silver	Scratch-Off
	1500 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll

Specifications and availability may change without notice.

Part Numbers:

SMART-70S (Single):	IPS
SMART-70D (Dual):	IPFS
SMART-70SL (w Lam):	IPLS
SMART-70DL (w/Lam):	IPFLS

SMART-70L (Lam only): ILS

Please check price list for more details on feature combinations