

# smart

Smart, Smarter than any other ID Card Printer

**We are proud to introduce newly enhanced Smart Series**

We proudly announced a brand new product. This Smart series deliver reliable performance, high quality and user's convenience.



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Dual-Side Printing with detachable Rotator



Convenient Contactless IC Encoding System



Easy Ribbon & Cleaning Roller Change



Front Card In / Out



2 Lines LCD & GET & SET



Mobile IC Encoding Module



## Smart Design

**Optimal design software for ID card  
Easy design and print for the beginner**

### Convenient GUI

- Design and print by WYSIWYG (What You See Is What You Get)
- Left side toolbar for special functions in ID card design

### Wizard and Template

- Configure card type, background image and printing area using Wizard
- Provide many kinds of sample template

### Card Design Functions

- Dual-sided design (Front / Back)
- Select printing layer for objects (Color, Resin, Overlay)
- Database connection with objects
- Magnetic field data setting

## Features



### Cost Competitiveness

- Prevent the waste of ribbon panel by perfect auto ribbon search function
- Free bundle design software (Smart Design)



### Excellent Convenience

- Show real-time process status through 2 lines LCD window
- Front card In / Out system (Front side Hopper & Stacker)
- Convenient semi-cartridge type's ribbon & cleaning roller
- Easy Contact / Contactless / Mobile IC encoding



### Clear Printing Quality

- Apply FINE Imaging Technology to make clear and optimized color
- Print high quality mono image with Resin using High Quality Dithering Algorithm



### Dual-Sided Printing

- Dual-sided printing with attachable Rotator
- Apply latest Optimal Rotating Technology (Rotate in a second without noise)



### Enhanced Printing Speed

- Max 144 cards / hour in full color one side (MCKOK)
- Max 120 cards / hour in full color two side (MCKOK)
- Max 720 cards / hour in monochrome one side



### Various Option

- Magnetic Stripe Encoding: ISO7811, JIS II, HiCo / LoCo
- IC (Contact) Encoding: ISO 7816 (ID-1) SIM Type - ISO 7816 (ID-000)
- Two Contactless Encodings (Internal & External): ISO 14443 (Type A / B), ISO 15693, MIFARE
- Rotator



### Easy Card Issuing

- Provide exclusive design and encoding tool (Smart Design)
- Easy connection with external database
- Compatible with MS Excel / Word / Power Point and Photoshop program

Smart Design



## SPECIFICATION

Product Specification	Smart	Smart Dual
Card Types	PVC, Polyester Cards with polished PVC finish	
Printing Method	Dye-Sublimation / Resin Thermal Transfers / Edge - to -Edge	
Card Format	ISO CR-80 (54mm x 86mm / 2.12" x 3.38")	
Card Thickness	0.38mm (15mil) ~ 1.0mm (40mil)	
Resolution	300 dpi	
Memory	32 MB	
Printing Speed	Color (YMCKO) : max 144 cards / hour	
	-	Color (YMCKOK) : max 120 cards / hour
	Black Overlay (KO) : max 360 cards / hour	
	Mono (Black) : max 720 cards / hour	
Ribbon Capacity	Color (YMCKO) : 250 cards / roll	
	-	Color (YMCKOK) : 200 cards / roll
	Black Overlay (KO) : 600 cards / roll	
	Mono : 1,200 cards / roll (Black, Gold, Silver)	
Hopper & Stacker	Hopper : 90 cards, Stacker : 40 cards	
Interface	USB	
Display	2 Lines LCD & LED	
Power	Free Voltage (110/240V AC), 50 ~ 60 Hz, 45W	
Dimension	170mm(W) x 195mm(H) x 420mm(D)	170mm(W) x 195mm(H) x 510mm(D)
Operating Environment	Temperature : 20 ~ 35°C , Humidity : 20 ~ 80%	
Weight	4.5 Kg	5.5 Kg
Agency Listing	MIC, CE, UL, FCC	
Printer Driver	Windows 2000 / 2003 / XP	
<b>Option</b>		
M/S Encoding Module	ISO 7811 (Track I , II , III Read / Write), JIS II , HiCo / LoCo	
IC (Contact) Encoding	ISO 7816 (ID-1) SIM Type - ISO 7816 (ID-000)	
Two Contactless Encodings (Internal & External)	ISO 14443 (Type A / B), ISO 15693, MIFARE	
Rotator	Option	Default

\* Specifications are subject to change without notice.

## DIMENSION

