



New Retransfer Laminator



New Trusted Identity Begins

Experience next-generation performance with the SMART-81L, the industry's fastest retransfer card printer. Powered by our exclusive Rapid Retransfer Printing (RRP) technology, the SMART-81L goes from power-on to "Fastest First Card Out" in just seconds—eliminating long warm-up times common in older retransfer printers.

Delivering ultra-sharp, high-resolution images with rich, deep colors and true edge-to-edge (full-bleed) coverage, the SMART-81L is ideal for high-security credentials, bank cards, and technology cards that demand premium print quality.

Designed for productivity and protection, it features a 200-card input hopper and advanced physical security to safeguard your printer, supplies, and printed cards—perfect for secure instant issuance environments.

Features

- FASTEST First-Card-Out/Industry-Leading Speed
- High-Security Holographic Laminates
- High Capacity - Up to 1000 Laminates per Roll
- 1mil, .6mil, and Overlay/ThinFilm Laminates
- Custom and Generic Holographic Laminates

Security

Holographic laminate plays a vital role in ID card security by adding a visual, tamper-evident layer that are extremely difficult to replicate. These holograms help prevent counterfeiting and signal any attempts at tampering, making them a key deterrent against fraud. Holograms are especially effective as part of a multi-layered security approach, which may include technologies like smart chips, magnetic stripes, UV printing, and barcodes.

While each element contributes to security, the hologram provides immediate visual authentication and reinforces the overall integrity of the card.

Organizations can choose from generic designs or create custom holograms featuring logos or text, adding both branding and security. In high-risk environments such as government, healthcare, and finance, layered security—including holographic protection—is essential for controlling access, protecting assets, and verifying identities with confidence.

Durability

Applying a laminate to an ID card significantly extends its lifespan by adding a durable, protective layer over the printed surface. This laminate shields the card from daily wear and tear, such as abrasion, fading from UV exposure, moisture, and chemical damage. As a result, laminated ID cards can last up to three times longer than non-laminated cards, reducing the need for frequent reissuance and ensuring that printed data and images remain clear and secure over time.



Laminating

Type	Direct Heating Lamination
Print Area	Laminating/Edge-to-Edge
Film (clear & holographic)	Overlay/Thinfilm 0.6mil, 1.0mil
Speed Simultaneous (Single Lamination)	20 sec. / card (180 cards / hour)
Interface	1 LED indicator

Print Speed

YMCKK	Max. 43 sec./card (84 cards/hour)
YMCKK/Laminating	Max. 51 sec./card (71 Cards/hour)

System

Communication	Wireless/Infrared (R)
Power Supply	100-240V~ 50/60Hz 2.5A
Temperature/Humidity	15~35°C/35~70%

Card

Card Feeding	Automatic
Card Size	ISO CR80 (54mm x 86mm/2.12" x 3.38")
Card Thickness	0.76mm (30mil) ~ 1.6mm (64mil)
Card Type	PVC, PET, Composite PVC

Capacity

1mil / .6mil Patch:	500 Cards
Overlay / Thinfilm:	1000 Cards

Dimensions

Millimeter (WxDxH)	(Printer) 460 x 224 x 310 (Laminator) 240x224x260mm
Inch (WxDxH)	18.1 x 8.8 x 12.2

Weight

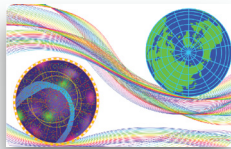
Kg/lbs	(Printer) 11.4 / 25.13 (Laminator) 6.2 / 13.7
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Certifications

CB CE FCC ENEC



900849



653630

Consumables



Color Ribbons

YMCK

Full Color Ribbon with Resin Black
500 Cards/Roll

YMCKK

Full Color Ribbon with Resin Black & Resin Black for Back Side
500 Cards/Roll



Retransfer Film

Retransfer Film

500 Cards/Roll



IDP Americas, Inc.

1485 South County Trail - Unit 306,
East Greenwich, RI 02818
TEL +1.401.400.7111
FAX +1.401.667.7445
E-MAIL sales@idpamericas.com

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

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653635
653538
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SMART-81L 300dpi/600dpi
SMART-81L Laminator Option
Magnetic Stripe Enc. Standard
Contact SmartCard Enc.
Contactless SmartCard Enc.
Contact IC (ISO 7816 ID-1) & Contactless
YMCK & Retransfer Film Pack
YMCKK (no film included)
YMCFK (no film included)
Retransfer INTM Film (no ink included)
Clear 1mil Laminate Film
Globe Flags Hologram 1 mil Film
Celestial Hologram 1 mil Film
Clear IC Chip, 1mil Film