Badges that secure your **IDeas**!

Printing and laminating solution for highly secure badges

SECURION

The **Securion** is a one-stop solution for personalizing and laminating secure badges in a decentralized way. The printer seamlessly scales to meet growing concerns about security and data forgery, while greatly extending the lifespan of any card.

The printer offers dual-sided operations on both the color-printing module and the lamination station. The badge is first processed through graphical and electrical personalization. Then, a protection film, in the format of a varnish or a patch, is applied by a hot roller over the full card surface. Printing, encoding and laminating a secure badge are carried out in a single pass.

APPLICATIONS

Securion personalizes and issues durable, tamperproof ID cards:

- **ID cards**
- **Driver's licenses**
- **Health insurance cards**
- **Access control badges**

BENEFITS

■ Secure badges that last

Securion's next-generation lamination station applies a varnish or patch-based protection film, and also manages holograms whenever required. **Securion** provides premium protection for badges, when it comes to security and durability.

■ Stunning graphics

Securion comes with the leading dual-sided and color printing module in the market for an optimum print quality.

■ Versatile encoding options

Securion supports advanced encoding options that can all be combined to cater to all encoding requirements, including the most sophisticated ones.

■ Highly secure operation

Securion deploys additional layers of security to guarantee safe operation: a central locking system that prevents access to consumables (cards and ribbons), a password-based access to the machine and a slot for a Kensington® anti-theft system.

TOP QUALITY TECHNOLOGY AT AN AFFORDABLE PRICE

Securion's technology is unique: PVC cards are laminated with no damage or distortion as a result. This solution provides an attractive cost per card, greatly extends the lifespan of cards and offers foolproof security. Securion also supports the composite cards required for advanced and complex applications such as driver's licenses.

NEW AND HIGHLY SECURED LAMINATION FILMS

To cater to higher requirements in card security, Evolis offers an extended range of films, from basic varnish protection to patches with embedded holograms for maximum security.

evolis card printers

SPECIFICATIONS	■ Color printing module and laminating unit ■ 300 dpi print head (11.8 dots/mm) ■ USB & Ethernet TCP-IP connection ■ 16 MB RAM allowing two card storage devices (front & back) ■ Flip-over station for dual-sided printing or laminating ■ Detachable feeder with a capacity of 100 cards (0.76 mm or 30 mil) ■ Output hopper with a capacity of 100 cards (0.76 mm or 30 mil) ■ Reject box for 15 cards (0.76 mm or 30 mil) ■ Laminate film loading cassette ■ Two-line LCD display and a status LED ■ Locking system to secure access to blank cards, ribbons, films and rejected cards ■ Support for a Kensington® locking system ■ RoHS compliant
PRINT MODE	■ Color dye sublimation and monochome thermal transfer ■ Enhanced color management system for top quality pictures ■ Edge-to-edge printing ■ Dual-sided printing
LAMINATION MODE	■ Full card varnish and patch films ■ Dual-sided lamination ■ Speed range: 2 mm/s to 18 mm/s (0.08 inch/s to 0.71 inch/s) ■ Temperature range: 100° C to 180° C (212° F to 356° F)

ENCODING OPTIONS & ACCESSORIES	■ Encoding options (can be combined):
	  - Magnetic stripe encoder ISO 7811 HiCo/LoCo or JIS2
	  - Smart contact station – ISO 7816-2
	  - Smart contact station and encoding unit – PC/SC, EMV 2000-1
	  - Contactless encoding unit – ISO 14443A, B, ISO 15693, Mifare, DesFire, HID iCLASS
	  - Other types upon request
	■ 100-card additional feeder: red, blue, green

RIBBON TYPES FOR THE PRINTER MODULE	■ 2-panel KO black monochrome ribbon – 500 cards/roll ■ 5-panel YMCKO color ribbon – 200 cards/roll ■ 6-panel YMCKO-K color ribbon – 200 cards/roll ■ Half-panel YMCKO color ribbon – 400 cards/roll ■ Monochrome ribbons – 1,000 cards/roll (black, red, green, blue, white, gold and silver)
FILM TYPES FOR THE LAMINATION MODULE	■ Generic thin holographic overlay film, full card – 350 and 400 cards/roll ■ Clear patch 1 mil film – 200 cards/roll ■ Clear patch 0.5 mil film – 200 cards/roll ■ Alternate patch Front/ Back 0.5 and 1.0 mil – 100 cards/roll ■ Special patches and thin overlay films upon request: holograms, security inks, custom cutting
PRINTING AND LAMINATING SPEED	■ YMCK-K, 1.0 mil patch single-side – 85 to 105 cards/hour ■ YMCK, 1.0 mil patch single-side – 95 to 120 cards/hour
CARD FORMAT	■ ISO CR-80 – ISO 7810 (53.98 mm x 85.60 mm – 3.375" x 2.125")
CARD TYPE	■ All PVC, Composite PVC cards ■ Lamination on regular PVC card, recommended with 0.5 mil patch or thin varnish
CARD THICKNESS	■ From 0.25 mm (10 mil) to 1 mm (40 mil) ■ No lamination under 0.50 mm (20 mil), recommended from 0.76 mm (30 mil min.)
RESIDENT FONTS	■ Arial 100, Arial bold 100 ■ Barcode – Code 39, 2/5 interleaved, Code 128, EAN13
SUPPORTED PLATFORMS	■ Windows™ XP and Vista 32 & 64 bits ■ Other Windows™ versions, Macintosh™ OS X, Linux upon request

SUPPLIED SOFTWARE	■ eMedia Card Designer Software for designing and editing badges (30-day trial version):
	  - Compatible with Windows™ XP, Server 2003 and Vista 32 & 64 bits
	  - Connection to Microsoft™ Excel databases

INTERFACE	■ USB and Ethernet TCP-IP (USB cable supplied)
PRINTER FORM FACTOR	■ Without card hopper: 274.64 mm (10.81") (H) x 562.70 mm (22.15") (L) x 262.16 mm (10.32") (W) ■ With card hopper: 274.64 mm (10.81") (H) x 658.20 mm (25.91") (L) x 262.16 mm (10.32") (W)
PRINTER WEIGHT	■ 15.4 Kg (33.15 Lbs)
POWER SUPPLY	■ Power supply: 100-240 V AC, 50-60 Hz, 2 A ■ Printer: 24 V DC, 6.25 A
ENVIRONMENTAL CONDITIONS	■ Min/Max operating temperature: 15° / 30° C (59° / 86° F) ■ Humidity: 20% to 65% non-condensing ■ Min/Max storage temperature: -5° / +70° C (23° / 158° F) ■ Storage humidity: 20% to 70% non-condensing ■ Operating ventilation: free air
WARRANTY	■ 2 years (printer, lamination module, print head and lamination hot roller), or 100,000 inserted cards, whichever comes first[1] [1] Warranty Subject to observance of specific conditions and use of Evolis High Trust® consumables

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