

# Badges that secure your **IDeas!**

Printing and laminating solution for highly secured 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 durably protects secured badges, whether highly secured access control badges or fraud-proof ID cards:

- ID cards
- Driver's license
- Health card
- Access control badges



## TOP QUALITY TECHNOLOGY AT AN AFFORDABLE PRICE POINT

**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 expanding requirement in card security, **Evolis** offers an extended range of films, from basic varnish protection to patches with embedded holograms that raises the security.



## 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, to match top-quality graphics with striking performances.
- **Versatile encoding options**  
**Securion** supports advanced encoding options that can all be combined to cater to any specific encoding requirement, including the most sophisticated.
- **Highly secured 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.



### 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 monochrome 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 el 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<sup>1</sup>

<sup>1</sup> Subject to observance of specific conditions and use of Evolis genuine consumables.

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