# AVANSIA LAMINATION

# THE RETRANSFER SYSTEM FOR PERSONALIZING AND LAMINATING HIGH DEFINITION CARDS

The Avansia Lamination system combines retransfer printing and card lamination for the issuance of high quality secure cards. Avansia Lamination is ideal to personalize identification cards that meet the needs of large companies, administrations and governments.

## HIGH PERFORMANCE

- Avansia Lamination generates images, text and watermarks with a 600 dpi resolution and perfectly prints over-the-edge.

- Avansia Lamination retransfer technology allows for personalization of all types of cards including those with uneven surfaces, such as smart contact and contactless cards.
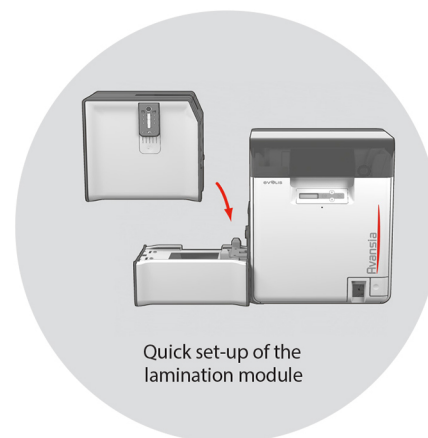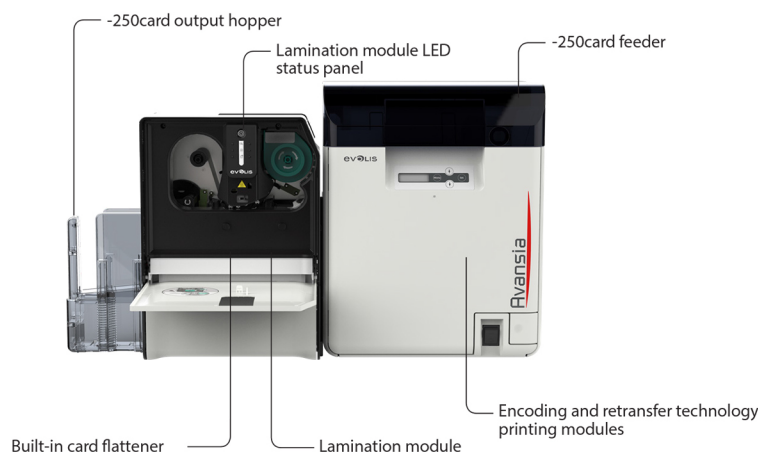
## INCREASED PRODUCTIVITY

- Capable of issuing more than 130 color cards per hour (single-sided printed and laminated), Avansia Lamination stands out for its high level of productivity.

- With its high capacity card feeder, output hopper and consumables, Avansia Lamination prints and laminates card runs without interruption.

## DURABILITY AND SECURITY

- The laminating module laminates single- or double-sided cards providing durability for up to 10 years.*

- Capable of printing UV elements, micro-texts and 2D codes in high definition, Avansia Lamination creates secure cards for every need.

*under specific conditions

- -250card output hopper
- Lamination module LED status panel
- -250card feeder
- Built-in card flattener
- Lamination module
- Encoding and retransfer technology printing modules

Quick set-up of the lamination module

## MAIN FEATURES / Full technical specifications on www.evolis.com

### GENERAL FEATURES
- Reverse transfer printing, using color dye sublimation and resin monochrome retransfer
- Dual-sided printing module (standard)
- Over-the-edge printing
- 600 dpi print head (23.6 dots/mm)
- Bitmap: 24 bits, 16 million colors
- Printout: Y/M/C 256 levels
- 64 MB of memory (RAM)
- Single- or double-sided (via flip over module) lamination (standard)
- Integrated card flattener (standard)
- Lamination through infrared quartz tube and silicon compound heat roll

### PRINTING AND LAMINATION PERFORMANCES [1]
- Full card:
  - One-sided (YMCK): 133 cards/hour
  - Dual-sided (YMCKK): 79 cards/hour

### INTERFACES
- USB (3.0 ,2.0 ,1.1 ,1.0), cable supplied
- Ethernet TCP-IP 10BaseT, 100BaseT (Traffic Led)

### CARD MANAGEMENT AND SPECIFICATIONS
- Card feeder capacity: 250 cards [0.76 mm (30 mil)]
- Card output hopper capacity: 250 cards [0.76 mm (30 mil)]
- Reject tray capacity: 30 cards [0.76 mm (30 mil)] [2]
- Card thickness: 0.76 mm (30 mil), manual adjustment
- Card types: PVC cards, Composite PVC cards, PET-F cards, PET-G cards, Polycarbonate (PC) cards, ABS cards
- Card format: ISO CR80 - ISO 7810 (53.98 x 85.60 mm)

### ADDITIONAL ENCODING MODULES
- Available modules:
  - Magnetic stripe encoder ISO 7811
  - Dual contact and contactless smart card encoder
- Connectivity via internal USB hub, 1 port available
- Options can be combined
- Factory-installed or installed on-site for contact and contactless smart card encoders

### EVOLIS HIGH TRUST [*] RIBBONS
To maximize the quality and durability of printed cards, and the overall printer and lamination module performance, use Evolis High Trust [*] ribbons and lamination films.
- Automatic identification and setting
- Ergonomic ribbons and films for ease of handling
- Lamination films:
  - Clear or holographic patch (0.6 ,0.5 or 1 mil): 600 sides/roll
  - Clear or holographic varnish: 1200 sides/roll
  - Other lamination films upon request
  - Alternate film to laminate cards with magnetic stripe and smart cards

List of ribbons and films available on www.evolis.com

### DISPLAY
- Two-line LCD display and LED status indicator
- Graphical notifications via the lamination module LED

### SECURITY
- RFID locking key
- Support for Kensington [*] type security lock
- Centralized locking system to secure access to blank cards, ribbon and film (optional)

### SOFTWARE
- Compatible with Windows [*] (64/32 bits): XP SP3, Vista, W7, W8, W10
- Delivered with cardPresso XXS for designing and editing all types of cards:
  - Internal database (unlimited records)
  - Windows[*] (from XP onwards)

### CERTIFICATIONS AND STATEMENT OF COMPLIANCE
- CE, FCC, ICES, CCC, EAC, BIS
- RoHS

### SIZE AND WEIGHT
- Dimensions (H x W x D): 436 x 620 x 305 mm (17.17" x 24.41" x 12.01")
  Dimensions including output hopper: 436 x 746 x 305 mm (17.17" x 29.37" x 12.01")
- Weight: 30 kg (66.14 lbs)

### WARRANTY [3]
- 3 years for printer, lifetime warranty on print head

1 Time measured from the insertion of the card detected by the sensor until ejection of the card / 2 Included with all printers that are upgraded with one or several encoding options / 3 Warranty subject to the strict observance of specific use and maintenance conditions, as well as the use of Evolis High Trust [*] consumables