# EVOLIS

# QUANTUM

## THE CENTRALIZED CARD PRODUCTION SYSTEM

The Quantum printer is the solution for printing and encoding cards in large volumes. It personalizes the cards front and back, in color or monochrome, with a record printing speed.

Quantum combines the feel of a desktop printer with the power of an industrial printer for centralized production of plastic cards in large quantities.
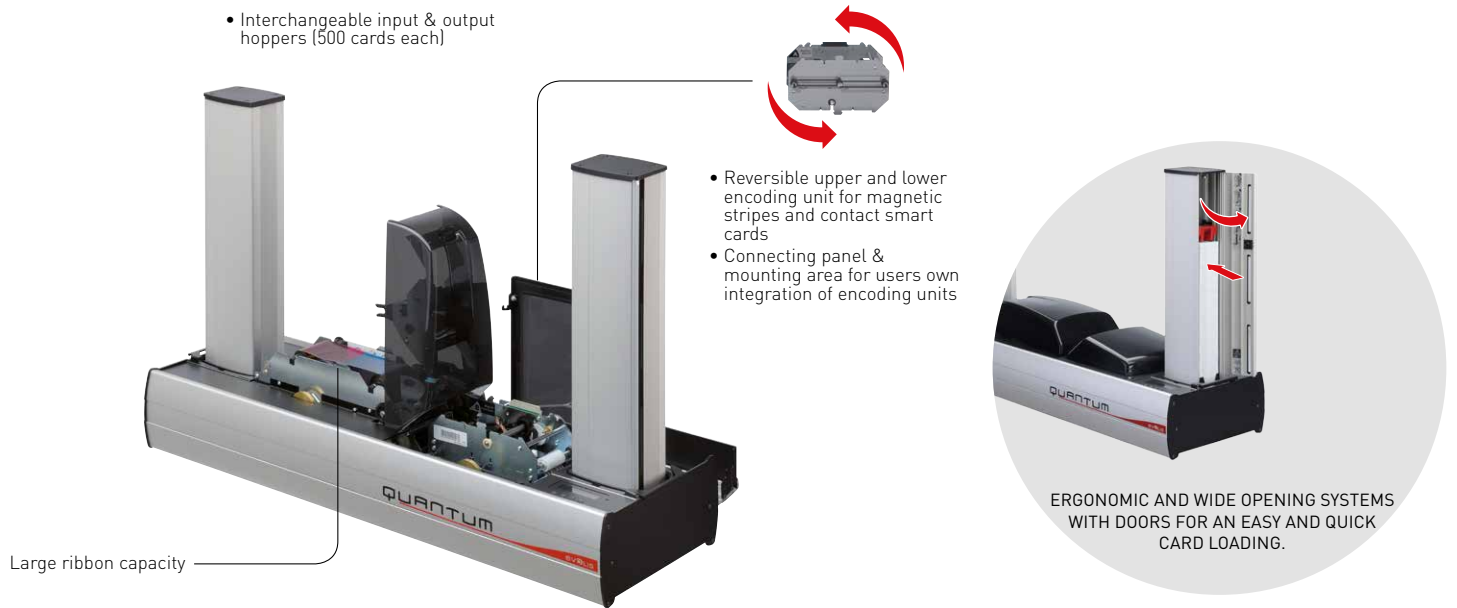
### INCREASED PRODUCTIVITY

- With a feed tray and stacker capacity of 500 cards each, the Quantum printer can deliver more than 1000 cards per hour in monochrome and 150 cards in color.

- Thanks to reversible encoding module (magnetic stripes, contact smart cards and contactless cards) independent from the print module, the cards are encoded and printed in a single pass.

### ENHANCED VERSATILITY

- Quantum has been designed to be personalized on-site, directly by the user. For instance, you can add or reverse an encoder very easily and quickly.

- The card production system adapts to your evolutive needs: single or dual sided printing, diverse encoding modules, printing options and plastic card types available.

### ECONOMIC SOLUTION

- Quantum can handle large volumes of cards with very high print quality, providing a very economical alternative to industrial card printers.

- You can control your costs and produce your cards yourself instead of having to go to an outside provider.

- Interchangeable input & output hoppers (500 cards each)

- Reversible upper and lower encoding unit for magnetic stripes and contact smart cards
- Connecting panel & mounting area for users own integration of encoding units

Large ribbon capacity

ERGONOMIC AND WIDE OPENING SYSTEMS WITH DOORS FOR AN EASY AND QUICK CARD LOADING.

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

## GENERAL FEATURES
- 2 configurations:
  - Standard version without locking mechanism
  - Version with centralized locking system
- Direct-to-card dye-sublimation/Resin thermal transfer
- Single-sided and dual-sided printing module
- Edge-to-edge printing
- 300 dpi print head (11.8 dots/mm)
- 16 MB memory (RAM) allowing two card storages (front & back)
- Interchangeable input and output hoppers, capacity of 500 cards each (0.76 mm - 30 mil)
- Aluminum body, black plastic covers

## PRINTING PERFORMANCES
- Single side:
  - Color (YMCKO): 150 cards/hour
  - Monochrome: 1000 cards/hour
- Dual side:
  - Color (YMCKO-K): 115 cards/hour
  - Monochrome: 320 cards/hour

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

## CARD MANAGEMENT AND SPECIFICATIONS
- Detachable and interchangeable card input feeder and output stack with 500 cards capacity (0.76 mm - 30 mil)
- Reject hopper for defective cards with a capacity of 20 cards (0.76mm - 30mil)
- Card types: PVC cards, composite PVC cards, PET cards, ABS cards[1], special varnished cards[1]
- Card format: ISO CR80 - ISO 7810 (53.98 mm x 85.60 mm)
- Thickness: 0.76mm to 1mm (30 to 40 mil)

## OPTIONAL FEATURES
- Locking system to secure access to the whole system (incl. cards and ribbon)
- Quantum Production Pack: 1 detachable card hopper with short door, 2 cleaning rollers, 1 cleaning kit
- Quantum Backup Pack: 1 print head, 1 reversible encoding module, 1 detachable card hopper with short door
- Detachable hopper (long or short doors) with a capacity of 500 cards (0.76 mm - 30 mil)

## ADDITIONAL ENCODING MODULES
- Reversible upper and lower encoding unit for magnetic stripes and contact smart cards (patented)
- HiCo/LoCo magnetic stripe encoder ISO 7811 or JIS2
- Smart contact station – ISO 7816-2
- Connecting panel and mounting area for users own integration of encoding units
- Encoding options:
  - Smart encoding unit – PC/SC, EMV 2000-1
  - Contactless encoding unit - ISO14443A & B, MIFARE, DESFire, HID iCLASS
  - Other types upon request

## SAFETY
- Centralized locking system (optional)

## DISPLAY
- 2-line LCD display
- Status LED for printer and encoding unit monitoring

## EVOLIS HIGH TRUST® RIBBONS
To maximize the quality and durability of printed cards, the lifespan of the print head and the overall printer reliability, use Evolis High Trust® ribbons.
- Ribbon saver for monochrome printing
List of ribbons available on www.evolis.com

## SOFTWARE
- Delivered with cardPresso XXS for designing and editing badges:
  - Internal database (unlimited records)
  - Windows® (from XP onwards) and Mac OS X
- Windows® (32/64 bits): XP SP3, Vista, W7, W8, W10
- Mac OS X v10.4 and higher (upon request)
- Linux (upon request)

## CERTIFICATIONS AND STATEMENT OF COMPLIANCE
- RoHS

## SIZE AND WEIGHT
- Size (H x W x D):
  - Without hoppers: 215 x 300 x 850 mm (8.46" x 11.81" x 33.46")
  - With hoppers: 567 x 300 x 850 mm (22.32" x 11.81" x 33.46")
- Weight: 21.7 kg / 47.8 lbs (18.3 kg / 40.3 lbs without hoppers)

## WARRANTY
- 1-year warranty (printer and print head) limited to 500,000 insertions[2]
- Warranty extension available as an option

**1** Under specific conditions /**2** Warranty subject to observance of specific conditions and use of Evolis High Trust® ribbons. An insertion is equivalent to printing a card on one side, or encoding it.

KYOCERA Printhead
Windows  Mac OS