EVOLIS

Identify what matters

Quantum

ENHANCED VERSATILITY

INCREASED PRODUCTIVITY

ECONOMIC SOLUTION

PRINTER

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.
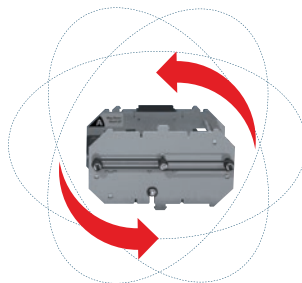
Increased productivity

- ◎ 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**.
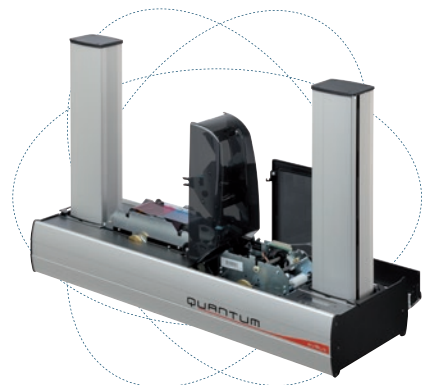
Enhanced versatility

- ◎ 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.

QUANTUM

- ◎ Ergonomic and wide opening systems with doors for an easy and quick card loading

- ◎ Reversible upper and lower encoding unit for magnetic stripes and contact smart cards

- ◎ Interchangeable input & output hoppers (500 cards each)

- ◎ Large ribbon capacity

- ◎ Connecting panel & mounting area for users own integration of encoding units

Main **Features**

◎ 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

◎ 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) to secure access to the whole system (incl. cards and ribbon)

◎ Display

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

◎ Card management and specifications

- Detachable and interchangeable card input feeder and output stacker with 500 cards capacity (0.76 mm - 30 mil)
- Reject hopper for defective cards with a capacity of 20 cards (0.76mm - 30mil)
- Detachable hopper (long or short doors) with a capacity of 500 cards (0.76 mm - 30 mil) as an option
- 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)

◎ Additional pack offer

- 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

◎ Printing performances[2]

- 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)

◎ 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)

◎ Certifications and statement of compliance

- RoHS
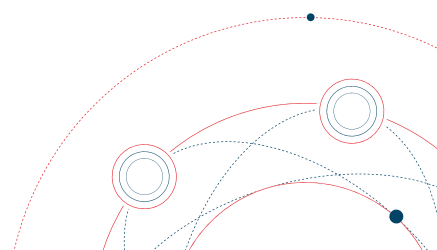- CE, FCC, VCCI, ICES
- EAC[2]

◎ 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[3]
- Warranty extension available as an option

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1 Under specific conditions /**2** Depending on the printer model /**3** 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.

evolis

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A GLOBAL PROVIDER
OF IDENTIFICATION SOLUTIONS

◎ **Worldwide leader** in card personalization systems for decentralized issuance

◎ **International expertise and local support** through a network of 400 distributors in 140 countries

◎ A unique ability to meet specific customer requirements with **a Project department dedicated to design and construction of tailor-made solutions**

◎ **Evolis is ISO 9001 certified**, which reflects our comprehensive approach, both in terms of quality and continuous improvement

www.evolis.com

Kreski

Zapraszamy do kontaktu!
Więcej informacji: www.kreski.pl

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