

# QUANTUM

The industrial card printer  
for high-volume badge  
personalization



Color & Monochrome  
Thermal Transfer



300 dpi



Dual-Sided



32 s/card  
(YMCKO/K)



1000 cards



0.76 mm (30 mil)

**evolIS**

[www.evolis.com](http://www.evolis.com)

# QUANTUM

**With a total printing capacity of 1000 cards, the Quantum is the ideal dual-sided printer for high-volume badge personalization**

Thanks to its 1000 card feeders, hoppers and ribbons, the **Quantum** is the only printer on the market to offer such printing capacity in color. This capacity is even greater in monochrome thanks to a 5000 card black ribbon.

The **Quantum** is the ideal solution for markets that require volume and capacity: service bureau, access control, time attendance, healthcare, telecommunications...

The **Quantum** not only prints your high resolution texts, logos, photos and bar codes, but also offers the options of magnetic encoding, smart card encoding and contactless card personalization.

Fitted with two feeders and two hoppers completely independent of each other, the **Quantum** is able to generate several printing and/or encoding works on different types of card at the same time. The re-stacking system adapted on the output hoppers sorts out your cards in the order of printing.

**Quantum: industrial printing in complete simplicity!**



## Print mode

- Color dye sublimation and monochrome thermal transfer
- Edge-to-edge printing standard

## Printer specifications

- Module for dual-sided printing
- Card reject boxes
- Integrated ribbon saver for monochrome printing

## Print speed

- 140 cards/hour in full color (YMCKO), 1 side
- 110 cards/hour in full color (YMCKO/K), 2 sides
- Up to 1000 cards/hour<sup>1</sup> in monochrome, 1 side
- Up to 350 cards/hour in monochrome, 2 sides

## Resolution

- 300 dpi (11.8 dots/mm)

## Windows™ drivers

- For Windows™ NT 4.0, 2000 and Xp

## Warranty

- Printer: 1 year
- Print head: 1 year or 500 000 passes<sup>2</sup>

## Ribbon types

- Monochrome black ribbon: 5000 cards/roll
- Other monochrome ribbons available: 1000 cards/roll (available in black, blue, red, green, white, gold, silver and scratch off)
- BlackWAX monochrome ribbon (for ABS and special varnished plastic cards): 5000 cards/roll
- 2 panel monochrome ribbon (KO): 500 cards/roll
- 5 panel color ribbon (YMCKO): 1000 cards/roll
- 6 panel color ribbon (YMCKO/K): 800 cards/roll
- Half-panel color ribbon (YMCKO): 400 cards/roll
- Hologram ribbon: 350 cards/roll

## Other printer models

- **Quantum Mag**  
Printer with HICO / LOCO magnetic stripe encoder - ISO 7811
- **Quantum Smart**  
Printer with smart card contact station - ISO 7816-2
- **Quantum Contactless**  
Printer with contactless smart card coupler - ISO 14443 - ISO 15693 (other standards upon request)

1- Under specific conditions  
2- Clause governing the use of Evolis ribbons

|                                    |   |
|------------------------------------|---|
| <b>Card types</b>                  | PVC, Composite PVC, PET, ABS and special varnished plastic cards  |
| <b>Card format</b>                 | ISO CR-80 (53.98 mm x 85.60 mm - 3.375" x 2.125")   |
| <b>Card thickness</b>              | 0.76 mm (30 mil)  |
| <b>Card feeder capacity</b>        | 2 x 500 cards (0.76 mm - 30 mil)  |
| <b>Card output hopper capacity</b> | 2 x 500 cards (0.76 mm - 30 mil)  |
| <b>Card reject box capacity</b>    | 2 x 25 cards (0.76 mm - 30 mil)   |
| <b>Resident barcodes</b>           | Code 39, Code 2/5 interleaved   |
| <b>Resident fonts</b>              | Arial normal 100, Arial bold 100  |
| <b>Printer size</b>                | Height: 510 mm (20.07") - Width: 700 mm (27.55") - Depth: 300 mm (11.81")   |
| <b>Printer weight</b>              | 25 Kg (55 lbs)  |
| <b>Connections</b>                 | USB and Centronics parallel ports (cables supplied)   |
| <b>Electrical</b>                  | 110-230 Volts CA, 60-50 Hertz   |
| <b>Environmental</b>               | <ul style="list-style-type: none"> <li>■ Min / max operating temperatures: 15° / 30° C (59° / 86° F)</li> <li>■ Humidity: 20% to 65% non-condensing</li> <li>■ Min / max storage temperatures: -5° / +70° C (23° / 158° F)</li> <li>■ Storage humidity: 20% to 70% non-condensing</li> <li>■ Operating ventilation: free air</li> </ul> |

