QUANTUM

The industrial card printer for high-volume badge personalization

Monochrome & Color Thermal Transfer

300 dpi

Dual-sided

4-6 s/card (monochrome) 32 s/card (YMCKO/K)

1000 cards

0.76 mm (30 mil)

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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!

GENERAL SPECIFICATIONS

- Color printing module
- 300 dpi print head (11.8 dots/mm)
- USB and parallel connections
- Flip-over station for dual-sided printing
- Card feeders with a total capacity of 1000 cards (0.76 mm - 30 mil)
- Output hoppers with a total capacity of 1000 cards (0.76 mm - 30 mil)
- Card reject boxes: 2 x 25 cards
- 1-Button and 4-LED control panel

PRINT MODES

- Color dye sublimation and monochrome thermal transfer
- Enhanced color management system
- Edge-to-edge printing
- Dual-sided printing
- Integrated ribbon saver for monochrome printing
- Large capacity ribbons (YMCKO: 1000 cards/roll - Black: 5000 cards/roll)

PRINTING SPEED

Personalization throughput will depend on card design and printer settings.
- Color 1 side (YMCKO): 140 cards/hour
- Color 2 sides (YMCK0-K): 110 cards/hour
- Monochrome 1 side: up to 1000 cards/hour[1]
- Monochrome 2 sides: up to 350 cards/hour[1]

SUPPORTED PLATFORMS

- Windows™ XP, 2000 and NT 4.0
- Mac™ OS X v10.2, 10.3 and 10.4
- Linux

SUPPLIED SOFTWARE

- eMedia Trial - 30 days evaluation

RIBBON TYPES

- Black monochrome ribbon - up to 5000 cards/roll
- Other monochrome ribbons - up to 1000 cards/roll (black, red, green, blue, white, gold and silver)
- 2-panel KO black monochrome ribbon - 500 cards/roll
- 5-panel YMCKO color ribbon - 1000 cards/roll
- 6-panel YMCKO-K color ribbon - 800 cards/roll
- Half-panel YMCKO color ribbon - 400 cards/roll
- Special ribbons:
  · Varnish hologram - 350 cards/roll
  · Scratch-Off ribbon - up to 1000 cards/roll
  · BlackWAX monochrome ribbon (for ABS and special varnished plastic cards) - up to 1000 cards/roll
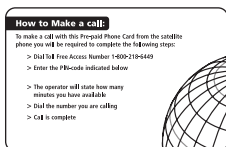
OPTIONS

- 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
- Cleaning kits

WARRANTY

Use Evolis Genuine products for best performance and extended lifespan of your printer.
- Printer: 1-year warranty
- Print head: 1-year warranty or 500 000 passes[2]

Card types	• All PVC, Composite PVC cards, PET, ABS[1] and varnished[1] cards
Card format	• ISO CR-80 (53.98 mm x 85.60 mm - 3.375" x 2.125")
Card thickness	• 0.76 mm (30 mil)
Card feeder capacity	• 2 x 500 cards (0.76 mm - 30 mil)
Card output hopper capacity	• 2 x 500 cards (0.76 mm - 30 mil)
Card reject box capacity	• 2 x 25 cards (0.76 mm - 30 mil)
Printer size	• Height: 510 mm (20.07") - Length: 700 mm (27.55") - Width: 300 mm (11.81")
Printer weight	• 25 Kg (55 Lbs)
Connections	• USB and parallel (cables supplied)
Electrical	• Power supply: 100-240 V AC, 50-60 Hz, 1.8 A - Printer: 24 V DC, 3 A
Environmental	• 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

1. Under specific conditions.
2. Subject to observance of specific conditions and use of Evolis genuine consumables.

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