QUANTUM

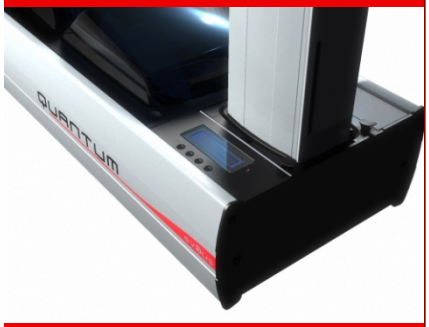
Technical data & specifications

Target markets:

- ID & membership cards
- Loyalty cards
- Transit passes
- Event passes
- Student cards
- Payment cards
- Calling cards, SIM cards

Standard kit :

Quantum printer
Power supply
Power cord
USB cable
eMedia Card designer
Incl. Excel database
XP and Vista drivers
Cleaning starter kit
1-Year warranty
RoHS compliant



Quantum is the most modular printing and encoding system for high-volume dual-sided card personalization.

All organization needing to personalize cards in large quantities, from card manufacturers, to service bureaus and even banks and universities will find in **Quantum** the best choice for their current and future needs.

The machine has been designed to maximize productivity & throughput, with a quick return on investment, while keeping the capability to adapt to multiple and scalable needs.

The new **Quantum** is a benchmark in terms of flexibility, offering a unique combination of innovative concepts that give the user the ability to customize the system on-site. It includes:

- **A dual-sided printer** for color & monochrome cards. This market-proven printing module can release up to 1,000 cards per hour in monochrome full card, including high resolution texts, logos, pictures and barcodes.

- **2 brand new detachable and interchangeable high capacity hoppers** which can store up to 500 cards (0.76 mm or 30 mil).

- **A unique detachable and reversible encoding unit**, in which you can combine magnetic, smart contact and contactless encoders. This exclusive feature gives the ability to print and encode the same side of the card without flipping it. This separate encoding unit can be upgraded on-site with almost any smart chip encoder thanks to an easy access to an exclusive electronic board.

With these brand new features, **Quantum** turns out to be the best alternative to high volume centralized systems keeping the simplicity and convenience of desktop printers.

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EVOLIS

Main features	Dual-sided color printing module 300 dpi print head (11.8 dots/mm) USB & Ethernet ports 16 MB RAM allowing two card storages (front & back) Detachable & interchangeable input & output hoppers with a capacity of 500 cards (0.76 mm or 30 mil) Flip-over station for dual-sided printing Detachable encoding module 2-line LCD display and status LED for printer and encoding unit monitoring Locking system to secure access to the whole system (including cards & ribbons) Reject tray for 20 cards (0.76 mm or 30 mil)
Options & Accessories	Quantum Production Pack: 1 detachable card hopper, 2 cleaning rollers, 3 boxes of cleaning material Quantum Backup Pack: 1 printing head kit, 1 Up/Down encoding module, 1 detachable card hopper Detachable hopper with a capacity of 500 cards (0.76 mm - 30 mil)
Color	Aluminum body & Black plastic covers.
Print mode	Color dye sublimation and monochrome thermal transfer Enhanced color management system for top quality pictures Edge-to-edge printing Dual-sided printing Integrated ribbon saver for monochrome printing Integrated ½ Panel YMCKO picture management
Encoding module	Reversible unit for top & bottom magnetic & smart encoding HiCo/LoCo Magnetic stripe encoder ISO 7811 or JIS2 Smart contact station – ISO 7816-2 Connecting panel & 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 - Other types upon request
Performance	Color 1 side (YMCKO): more than 150 cards/hour Color 2 sides (YMCK0-K): 115 cards/hour Monochrome 1 side full card: more than 1,000 cards/hour
Ribbons	2-panel KO black monochrome ribbon - 500 cards/roll 5-panel YMCKO color ribbon - 500 cards/roll 6-panel YMCKO-K color ribbon - 500 cards/roll Half-panel YMCKO color ribbon - 400 cards/roll Black monochrome ribbon – up to 3,000 cards/roll Other ribbons - up to 1,000 cards/roll (red, green, blue, white, gold and silver) Varnish hologram - 350 cards/roll Scratch-Off - up to 1,000 cards/roll BlackWAX monochrome ribbon (for ABS & special varnished plastic cards) - up to 1,000 cards/roll Signature panel ribbon – up to 1,000 cards/roll
Supported platforms	Windows™ XP and Vista, 32 & 64 bits Mac™ OS X v10.4 and higher (upon request) Linux (upon request)
Software supplied	eMedia Card Designer Software for designing and editing badges Compatible with Windows™ XP and Vista 32 & 64 bits Connection to Microsoft™ Excel databases
Cards features	All PVC, Composite PVC cards, PET, ABS1 and specially varnished cards1 ISO CR-80 – ISO 7810 (53.98 mm x 85.60 mm – 3.375" x 2.125") Card thickness: 0.5mm to 1mm (20 to 40 mil)
Warranty	Printer, print head: 1-year warranty, limited to 500,000 passes, subject to observance of specific conditions and use of Evolis genuine consumables Use Evolis Genuine products for best performance and extended lifespan of your printer
Size & Weight	Without hoppers: 215 mm (H) x 850 mm (L) x 300 mm (W) With hoppers: 567 mm (H) x 850 mm (L) x 300 mm (W) 21,7 kg / 47,8 lbs
Miscellaneous	RoHS compliant

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