



ID

SECURE

INSTANT ISSUANCE

PATENTED VISUAL SECURITY

PHYSICAL ACCESS

SMART

HIGH DEFINITION

LOGICAL ACCESS

INTUITIVE

PAYMENTS

Where identity begins.

HELIX™



Helix, where identity begins.

Combining high definition print quality with an intelligent interface and in-line visual security, Helix is the new foundation of trusted identity.



Innovation. It's what you expect from Magicard.

- Intuitive touch screen interface with print preview and troubleshooting animations.
- Field-upgradable to double-sided printing.
- Superior print quality.
- 1000 capacity ribbons and 200 capacity hoppers.
- Easy load film cassettes to eliminate contamination.
- Backed with Magicard's industry-leading 3 year UltraCoverPlus warranty.

The World's first re-transfer printer with built-in visual security.

Helix introduces Magicard's latest visual security breakthrough. An evolution of the famous HoloKote™ watermark, **HoloKote+**™ adds a security feature or logo to the card at the point of printing (Patent Pending). Designed to work with the re-transfer process, HoloKote+ exploits the wavelengths and lens effect of the re-transfer film to fluoresce under UV lighting conditions.

MIESCHER
INDUSTRIES

James Crick
Director



Specification preview

Resolution	300 dpi (600 dpi option)
Color depth	256 level (8Bit)
Printing speed (single-sided YMCK)	Estimated 125 card/hr (<30 secs)
Feeder capacity	200 cards (0.76mm/0.029")
Card exit capacity	200 cards (0.76mm/0.029")
Card size	CR80
Card material	PVC, PET, PC, PVH, ABS,
Display	TFT LCD panel, Size: 4.3 inch, Resolution: 480x272, Color depth: 16.7 million colors, Resistive touchscreen.
Dimensions (mm)	420 H (16.5") x 455 W (17.9") x 330 D (13")
Estimated weight	14.4Kg/31.7lb
Power source	100-240VAC
Interface	USB 2.0, 10 BASE-T/100 BASE-T Ethernet, 802.11 b/g/n WiFi (option).
System requirements	XP, W2003 server, Vista, W7 (32/64), W8 (32/64), Linux, Apple OS X.

RT film ribbon	RT film (1000 prints), holographic, custom holographic.
Ink ribbon	YMCK (1000 prints), YMCKK (750 prints), YMCKUV (750 prints).
Printer warranty	3 years UCP USA/EU otherwise 2 years limited.
Printhead warranty	Lifetime
Extendibility	Internal 4 port USB HUB (1.1). (1x WiFi option, 1x encoder option, 1x Micro SD option, 1x unassigned).
Memory size	128MB
Laminator	In-line laminator (double-sided) option.
Encoder	Magnetic stripe (ISO 7811, JIS2, custom formats), Contact (ISO 7816 & EMV), Contactless (MIFARE, DESFire, ProX, HiD iClass, TagIT, Legic, UHF).
Secure options	Kensington lock, secure film (standard), user log-on, secure film cassettes, secure blank media feeder, secure card reject hopper, ribbon erase facility.

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