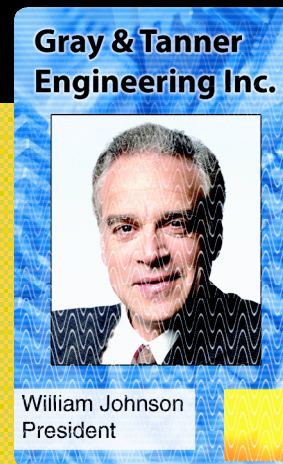


MAGICARD

secure ID card printers



when security really matters

Magicard® Secure ID Card Printers

Whatever your needs for PVC card printing, Ultra Electronics' wide range of Magicard color card printers offers you the very best in image quality, security, and innovation.

Badging



Opera

Tempo

Avalon

Professional



Alto

Rio 2

Tango 2

Prima

Sicura



The best warranty in the business, the UltraCoverplus no hassle printhead cover and loaner service is Free for two years with all new Magicard Rio 2, Tango 2, Alto and Prima ID card printers and Sicura laminators supplied in North America or the EU.

UltraCoverplus reduces printer downtime by providing a free loan printer to customers whose machines require factory service.

Ultra Electronics Card Systems is one of the pioneers of ID card printing, having manufactured card printers since 1993. We differentiate ourselves by providing a quality product with enhanced card security features, and through providing the best support and warranty in the business.

Ultra Electronics Card Systems is part of the international aerospace, defense and security group, Ultra Electronics plc. With 3,000 employees, located mainly across North America and the UK, Ultra Electronics concentrates on obtaining a technology edge in niche markets, with many of our products and technologies being market leaders in their field.

It's all about the card . . .

HoloKote is an anti-counterfeiting watermark across the entire card surface, which becomes visible when the card is viewed at an angle. There are no additional costs involved in printing HoloKote cards. Standard dye film is used to print HoloKote images on standard plastic cards.

HoloKote®

The Ultra patented built-in HoloKote security watermark comes free with every Tempo, Opera, Avalon, Alto, Rio 2 and Tango 2 printer.



HoloPatch®

Completely unique to Magicard, HoloPatch cards have a highly reflective gold 'super diffuser' seal. When used in conjunction with the HoloKote anti-counterfeiting feature, the security mark is highlighted for distance visibility.

Custom Key

Chose your own text and/or logos for the HoloKote and HoloPatch security features, using the Custom Key. Rio 2, Tango 2 and Alto only.



Edge-to-Edge

Edge-to-edge full color printing produces a high quality 300dpi image right to the edge of the card.



Card Encoding - mag stripe, smart card and contactless card encoding variants are available

Opera :
ID Card Printer with ID Software



The best value all-in-one solution for color ID card printing. Comes complete with Magicard ID badging software.

A compact, attractive printer, easy to set up and use. Hand fed for easy one-off card printing.

Tempo :
Hand Fed ID Card Printer



Simply the best value color ID card printer.

A quality dye-sublimation ID card printer at a great price. HoloKote card watermark printed using standard consumables at no extra cost. Incredibly easy to use with drop-in dye-film ribbon and hand fed card loading.

Avalon :
Single-Sided ID Card Printer



Proven Magicard security and reliability in a great value package. The Magicard Avalon features our patented HoloKote card security which protects your cards against unauthorized copying.

Competitively priced high-quality color and monochrome ribbons.

Alto :
Hand Fed Secure ID Card Printer



The smallest, lightest, and best value full color professional dye-sublimation ID card printer.

This compact, attractive design is ideal for small businesses and remote sites where low volume badge printing is required.

ENCODING | SECURITY | PRINTER

Single-sided hand-fed printer
50 prints per dye film roll

HoloKote card forgery protection
Fixed design waves pattern

Magstripe

ENCODING | SECURITY | PRINTER

Single-sided hand-fed printer
250 prints per dye film roll

HoloKote card forgery protection
Fixed design linked squares pattern

Magstripe

ENCODING | SECURITY | PRINTER

Single-sided printer with hoppers
250 prints per dye film roll

HoloKote card forgery protection
Fixed design globes pattern

Magstripe

ENCODING | SECURITY | PRINTER

Single-sided hand-fed printer
100 prints per dye film roll

HoloKote card forgery protection
Custom security text

Magstripe

Rio 2 :

Secure Single-Sided ID Card Printer



The industry work horse dye-sublimation printer. The high-security Rio 2 features fully-customizable HoloKote and HoloPatch security features.

Built tough to withstand the hard work of high throughput jobs.

Tango 2 :

Double-Sided Secure ID Card Printer



High-throughput and high security. The dye-sublimation Tango 2 features fully-customizable HoloKote and HoloPatch card security features.

Built tough to withstand the hard work of high throughput jobs.

Prima :

Reverse Transfer Laminating Card Printer



The reverse-transfer Prima is ideal for producing top quality, highly durable cards.

The quality of the finished card is similar to that achieved by off-set litho printing, but with the advantage that every card can be different.

Sicura :

Over-Laminating Station



The Sicura stand-alone laminator applies a tough, polyester laminate film onto pre-printed CR80 PVC cards.

The overlamine film extends card life to at least 40,000 swipes.

PRINTER | Single-sided printer with hoppers
350 prints per dye film roll

SECURITY | HoloKote card forgery protection
Custom security logos and text

ENCODING | Magstripe
Proximity/contactless
Contact chip

PRINTER | Double-sided printer with hoppers
300 double-sided prints per dye film roll

SECURITY | HoloKote card forgery protection
Custom security logos and text

ENCODING | Magstripe
Proximity/contactless
Contact chip

PRINTER | Double-sided printer with hoppers
1000 prints per dye film roll

SECURITY | Custom holograms

ENCODING | Magstripe
Proximity/contactless
Contact chip

LAMINATOR | Laminator
250 laminations per roll

SECURITY | Custom holograms

How is HoloKote printed onto the card?

After the color image has been printed onto the card, an overlay (the 'O' in YMCKO) layer is added to protect the card from fading and scratching. The HoloKote pattern or logo is frosted into the overlay at the time of printing. This is a unique Magicard patented feature and, unlike most other security logos, it involves no extra cost of printing.

How do HoloKote and HoloPatch work together as a visible security feature?

The unique HoloKote feature is daylight visible by tilting the card to view the watermark pattern. For even greater security, HoloPatch cards combined with HoloKote provide a distance-visible security mark allowing a security guard or colleague to easily identify badgeholders from a distance of six feet or more.



HoloKote Custom Key logos printed on HoloPatch cards provide the ultimate card security

	<i>Opera</i>	<i>Tempo</i>	<i>Avalon</i>	<i>Alto</i>	<i>Rio 2/Tango 2</i>	<i>Prima</i>	
Printing	Print technology	Dye sublimation	Dye sublimation	Dye sublimation	Dye sublimation	Dye sublimation	Reverse transfer
	Print speed	30 seconds Monochrome 6 seconds	40 seconds Monochrome 6 seconds	35 seconds Monochrome 6 seconds	30 seconds Monochrome 6 seconds	20 seconds single sided 40 seconds double sided Monochrome 6 seconds	30 seconds single sided 60 seconds double sided
	Card thickness	20 mil to 40 mil	20 mil to 40 mil	15 mil to 63 mil	20 mil to 40 mi	15 mil to 63 mil	0.25mm to 2.4mm (10 mil to 100 mil)
	Card Capacity	Hand fed - 1 card at a time	Hand fed - 1 card at a time	100 card feed hopper, 50 card output stacker	Hand fed - 1 card at a time	100 card feed hopper, 50 card output stacker	300 cards in feed tray
	Image protection	Overlay	Overlay	Overlay	Overlay	Overlay	Standard thin lamination layer
Consumables	Dye film cassettes, card dispensers and dye film rolls	50 PVC cards + 50 image YMCKO dye film bundle HiCo mag stripe and HoloPatch cards also available PF3 : 500 image black dye film	TM1 : 250 image YMCKO dye film roll PF3 : 500 image black dye film	AV1 : 250 image YMCKO dye film roll LC1 : 350 image YMCKO dye film roll LC3 : 1,000 image monochrome dye film roll in range of colors LC6 : 600 image KO (black & overcoat)	100 PVC cards + 100 image YMCKO dye film bundle HiCo mag stripe and HoloPatch cards also available PF3 : 500 image black dye film	LC1 : 350 image YMCKO dye film roll LC6 : 600 image KO (black & overcoat) LC8 : 300 image YMCKOK dye film roll (Tango 2 only) LC3 : 1,000 image monochrome	1,000 YMCK four panel dye film cassette 1,000 image roll re-transfer film 750 YMCKK five panel dye film cassette
	Security watermark	Standard HoloKote (waves)	Standard HoloKote (linked squares)	Standard HoloKote (globes)	Custom HoloKote (text only)	Custom HoloKote (text and logos)	UV hologram in laminate
Security	Gold seal	HoloPatch	HoloPatch	HoloPatch	HoloPatch	HoloPatch	
	Magnetic stripe	Optional HiCo encoder ISO std. 7811	Optional HiCo encoder ISO std. 7811	Optional HiCo encoder ISO std. 7811	Optional HiCo encoder ISO std. 7811	Optional HiCo encoder ISO std. 7811	Optional HiCo encoder ISO std. 7811
Encoding	Smartcard encoder				Optional chip contact programming facility	Optional chip contact programming facility	
	Prox. card (contactless)				Various contactless smart card options available	Various contactless smart card options available	
	Printer interface	USB rev.1.1 (USB 2.0 compatible)	USB rev.1.1 (USB 2.0 compatible)	USB rev.1.1 (USB 2.0 compatible)	USB rev.1.1 (USB 2.0 compatible)	USB and parallel ports Ethernet available	SCSI II. Various other options including PCI, PCMLA and USB converter
Printer	Drivers/software	Windows 98, ME, 2000, XP Magicard ID badging software	Windows 2000, XP	Windows 98, ME, 2000, XP	Windows 98, ME, 2000, XP	Windows 98, ME, 2000, XP	Windows 98, ME, 2000, XP
	Dimensions	Opera: 6.9" W x 7.8" H x 8.3" D Opera 105: 6.9"W x 7.8" H x 10.3" D	Tempo: 6.9" W x 7.8" H x 8.3" D Tempo M: 6.9"W x 7.8" H x 10.3" D	7.9" W x 8.7" H x 17.5" D	Alto: 6.9" W x 7.8" H x 8.3" D Alto M: 6.9" W x 7.8" H x 10.3" D	Rio 2: 7.6"W x 9.15"H x 14.55"D including hopper and stacker Tango 2: 7.6"W x 9.15"H x 18.58"D including hopper and stacker	13.4" W x 15" H x 13.4" D
	Color	Metallic silver/translucent red	Metallic silver/translucent blue	Metallic silver/translucent purple	Metallic silver/charcoal	Silver	Grey with blue trim
	Cleaning	Easy cleaning cycle using externally fed 'T' card	Easy cleaning cycle using externally fed 'T' card + disposable roller	Easy cleaning cycle using externally fed 'T' card + disposable roller	Easy cleaning cycle using externally fed 'T' card	Easy cleaning cycle using externally fed 'T' card + disposable roller	Removable cleaning roller cassette
	Warranty	12 months limited warranty	12 months limited warranty	12 months limited warranty	2 years free UltraCoverPlus (North America & EU only)	2 years free UltraCoverPlus (North America & EU only)	2 years free UltraCoverPlus (North America & EU only)

Operating Environment : Sheltered office environment 50° F to 85° F **Safety** : CE certified - UL listed (USA & Canada) **EMC** : EN50 081-1 and EN 50 082-1 (Europe), FCC pt 15 curve A (USA) & CSA 08.8 curve A (Canada)



ISO 9001 accredited



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