

# Ultima

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Photo-quality  
over-the-edge  
retransfer printing

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# Ultima



**Powered by a high-grade processing unit with an impressive array of features, Ultima is ideal for the localised or centralised issue of high-volumes of secure smart cards.**

An intuitive touch screen, with print preview and supplies indicators, provides an easy-to-use interface to Magicard's most advanced and durable print engine.

Ultima enables you to print up to 100 high definition full colour cards per hour. The quality of print means staff can quickly and easily identify the facial features on ID cards for comparison against the holder. This makes it the ideal solution for drivers' licences, national ID cards and other cards where security is paramount.

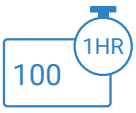
The Ultima retransfer printer comes with built-in visual security via the use of up to 10 secure HoloKote watermarks. That means that if you choose to do so, you can distinguish different departments with a separate holographic design. For additional built-in security, Ultima exploits the wavelengths of the dye-film so it can fluoresce under UV lighting.

High capacity consumables (1000 prints) and hoppers, combined with a range of encoding options to write secure electronic data to the card, make the Ultima ideal for high volume localised or centralised issuance of secure smart cards.




Choose from 10 patterns of fluorescent Secure HoloKote


## Printer highlights




**Printing speed**  
Up to 100 full colour cards per hour



**Card capacities**  
200 card input  
200 card output



**WARRANTY**  
Limited 3 year MagiCoverPlus



**Visual security**  
Standard or Custom HoloKote® watermark

Windows | OS X

**Operating systems**  
Windows and Mac OS compatible

## Standard features



**VISUAL SECURITY HoloKote®**



**Ultra Violet effect**



**Photo quality printing**



**Over the edge**



**Ethernet**



**ICC profiles**


## Optional features



**CUSTOM HoloKote®**




**Magnetic stripe**



**Smart card encoding**



**Duplex printing**



**Duplex upgrade**

## High-quality reverse transfer card printing

The key to the Magicard Ultima is the reverse transfer (also called retransfer) printing process. Unlike the standard dye sublimation process, your card design is first printed on a clear film and that film is then adhered to the card surface.

This process gives you a higher definition print quality and allows you to print successfully even on smart cards with uneven surfaces. It also gives you additional card durability and tamper-resistance so the cards will last longer.

# Features an intuitive touch screen

## Secure ID cards with Magicard HoloKote

As with all Magicard printers, the Ultima comes with the built-in HoloKote system and prints a secure watermark across the face of every card at no additional cost – the first reverse transfer printer to offer this.

New with the Ultima, you can now print a Secure HoloKote – a fluorescent version of the HoloKote watermark that will show up under black light, adding another layer of security to your cards. Choose from 10 standard patterns of Secure HoloKote, printed using the specialised YMCKS secure colour ribbon.

# Ultima

## Printer specifications

### Printer technology

300dpi retransfer.

### HoloKote card security

HoloKote built-in security watermark is printed across the entire card surface, this feature also exploits the wavelengths of the film to fluoresce under UV lighting conditions. Available with 10 watermarks as standard, any of these watermarks can be replaced with your own customised design or company logo through an easy-to-use, but securely encrypted, online delivery method. HoloKote printing requires the use of secure dye film (YMCKS).

### Encoding security options

Magnetic stripe: HiCo and LoCo encoder ISO 7811, JIS2.  
 Custom formats: Contact - ISO 7816, EMV contact chip.  
 Contactless: MIFARE® Classic, MIFARE DESFire®, HiD iClass®, ProX and Legic.

### Warranty\*

3 years MagiCoverPlus manufacturer's warranty covering electronic/electrical failure and bad workmanship. A loan printer will be provided should the above situation occur and Technical Support are unable to resolve the problem (UK, EU and North America only).

### Printer interfaces

USB 2.0, 10/100 BASE-T Ethernet

### Compatibility

Win 11 / Win 10 / Win 8.1 / Win 7 (SP1), both 32 / 64 bit. Windows Server 2016 (64 bit) / 2012 (64 bit) / 2008 R2 (SP1) (64 bit) / 2003 R2 (SP2) (32 bit).  
 macOS Mojave 10.14.6 onwards. Linux with CUPS support.

### Card capacity

200 card feeder, 200 card stacker.

### Weight

16.74kg (36.90 lbs).

### Power source

External power supply 100-240V 50-60Hz autoranging.

### Dimensions

334mm L x 458mm W x 431mm H (13.14" L x 18.03" W x 16.96" H).

### Print speed

Colour: up to 100 cards per hour.

### Operating environment

Sheltered office environment 10°C to 30°C (50°F to 85°F).

## Card security options



### HoloKote

A standard security watermark printed across the entire card surface. The Ultima HoloKote features 10 standard designs.



### Custom HoloKote

A fully flexible and customisable secure watermark printed across the entire card surface.



### Magnetic stripe

The Ultima can be specified with ISO standard 7811 or JIS2 compatible HiCo encoding of magnetic stripe cards.



### Smart card encoding

Smart card encoding options: Contact chip, Mifare®, Desfire®, iClass®.

## Consumables

Part No.

### Ultima HoloKote dye film

- Ultima YMCKS Secure HoloKote dye film, 750 images **HE750YMCKS**
- Ultima YMCKS Secure HoloKote film set (4 YMCKS and 3 RT films), 3000 images **SET-HE3000S**

### Ultima dye film

- Ultima YMCK dye film, 1000 images **HE1000YMCK**
- Ultima YMCKK dye film, 750 images **HE750YMCKK**
- Ultima 4 x YMCK dye film and 4 x RT film set, 4000 images **SET-HE4000**

### Ultima retransfer film

- Ultima retransfer film, 1000 images **HE1000RT**

### Cleaning kit

- 10 pads and cards. **E9887**

### Card types/thickness

Card sizes: ISO CR80 85.6mm x 54mm / 3.375" x 2.125"  
 Card types: PVC, PET, PC, PVH, ABS. Card thickness: 0.51mm to 1.3mm / 0.020" to 0.050"

## Variants

Part No.

### Ultima Uno

- Ultima Uno **3680-0001**
- Ultima Uno Mag **3680-0002**
- Ultima Uno Smart **3680-0003**
- Ultima Uno Mag Smart **3680-0004**

### Ultima Duo

- Ultima Duo **3680-0021**
- Ultima Duo Mag **3680-0022**
- Ultima Duo Smart **3680-0023**
- Ultima Duo Mag Smart **3680-0024**



\*Warranty subject to the observance of specific conditions of use and maintenance, as well as the use of certified 'Original MagiCard' dye films.

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The information contained in this document reflects the current state of design and we reserve the right to change the specification without notice or obligation.

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