

# Trusted, secure ID issuance

**MAGiCARD**



The complete range of ID card printers,  
all with security built in.

# Secure card issuance for every budget, industry and application

Cards have become a part of everyday life. Used for gaining access to buildings and facilities, verifying that individuals are who they say they are, or simply being used to purchase goods or services, cards have become the ubiquitous global standard for identity.

Discover how secure ID cards, printed and programmed with Magicard products, can be used across multiple applications in your industry sector to improve efficiency and productivity, and most importantly, to protect and secure your organisation.

#### Data

Cards can be used to store and grant access to important personal information.

#### Loyalty and membership

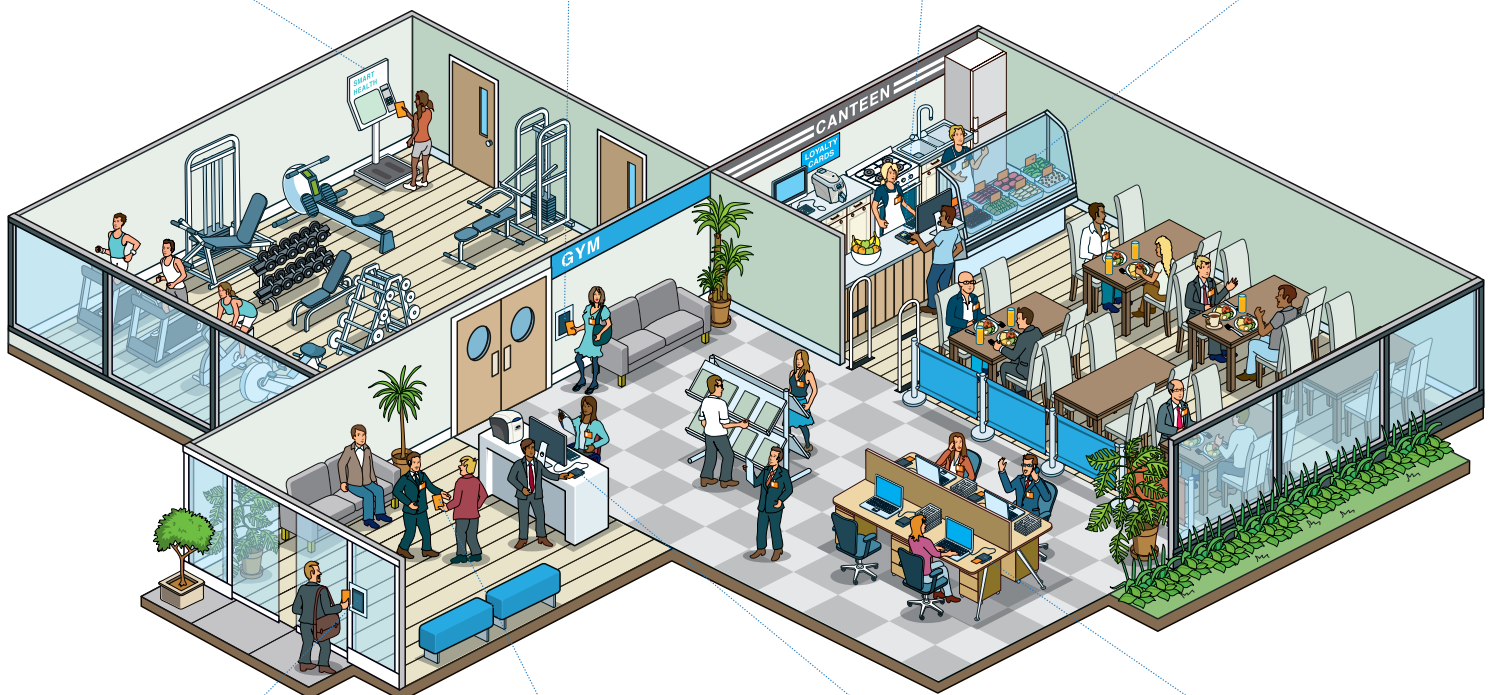
Cards are extensively issued as a credential for membership of clubs, loyalty schemes and associations.

#### Payments

Electronic payments for goods and services is the most common use of plastic cards.

#### Labelling

Flexible, hygienic and often printed locally, plastic cards are widely used for labelling of foodstuffs.



#### Physical access

Cards are increasingly becoming the accepted credential for gaining access to buildings and facilities.

#### Visual identity

Cards are the generally accepted means for verifying identity.

#### Time and attendance

Cards are used to record when employees start and stop work, and where the work is performed.

#### Logical access

Cards are used to protect access to networks and data.

## Retransfer



### Helix

#### High definition

##### Print speed

Up to 125 full colour cards per hour

##### Card capacities

200 card input  
200 card output

##### Visual security

Standard HoloKote® watermark (x10) ●  
Custom HoloKote® watermark ●  
UV effect ●

##### Electronic security

ISO 7811, JIS2 magnetic stripe ●  
ISO 7816, EMV contact chip ●  
MIFARE®, DESFire®, iClass®, others ●

##### Warranty\*

3 year UltraCoverPlus with hot swap printer and lifetime printhead cover.

##### Print technology

Retransfer

##### Feed system

Automatic

##### Upgrade

Single to double-sided E9905 ●

##### Connectivity

USB ●  
Ethernet ●

##### Compatibility

Windows XP, Vista, 7, 8, 8.1, 10 (32/64bit)  
Windows server 2003 R2 SP2, 2008,  
2012, 2016 and Mac OS X 10.9.0 upwards

##### Card thickness

mm 0.51 to 1.30  
mil 20 to 50

##### Dimensions

mm 455 W x 420 H x 330 D  
Inch 16.5 W x 17.9 H x 13 D  
Weight kg 14.4  
Weight lb 31.7

##### Operating environment

Sheltered office  
10°C - 30°C / 50°F - 85°F

##### Maintenance

Cleaning kit E9887

##### Laminator

Available soon ●

## Direct-to-card

● Standard ● Option



### Rio Pro

#### Professional

##### Print speed

Up to 150 full colour cards per hour  
500 monochrome cards per hour

##### Card capacities

100 card input (200 card option)  
70 card output (200 card option)

##### Visual security

Standard HoloKote® watermark (x5) ●  
Custom HoloKote® watermark ●  
HoloPatch® cards ●

##### Electronic security

ISO 7811, JIS2 magnetic stripe ●  
ISO 7816, EMV contact chip ●  
MIFARE®, DESFire®, iClass®, others ●

##### Warranty\*

3 years UltraCoverPlus with hot swap printer

##### Print technology

Dye sublimation/rewritable

##### Feed system

Manual/automatic

##### Upgrade

Single to double-sided 3633-0052 ●

##### Connectivity

USB ●  
Ethernet ●

##### Compatibility

Windows XP, Vista, 7, 8, 8.1, 10 (32/64bit)  
Windows server 2003 R2 SP2, 2008,  
2012, 2016 and Mac OS X 10.9.0 upwards

##### Card thickness

mm 0.51 to 1.02  
mil 20 to 40

##### Dimensions

mm 220 W x 250 H x 470 D  
Inch 8.6 W x 9.8 H x 18.5 D  
Weight kg 4.9  
Weight lb 10.8

##### Operating environment

Sheltered office  
10°C - 30°C / 50°F - 85°F

##### Maintenance

Cleaning kit 3633-0053

##### Extra card capacity

200 input hopper 3652-0122 ●  
200 output stacker 3652-0170 ●



### Enduro3E

#### Standard

##### Print speed

Up to 125 full colour cards per hour  
500 monochrome cards per hour

##### Card capacities

100 card input  
30 card output

##### Visual security

Standard HoloKote® watermark (x4) ●  
HoloPatch® cards ●

##### Electronic security

ISO 7811 magnetic stripe ●  
ISO 7816 contact chip ●  
MIFARE®, DESFire®, iClass® ●

##### Warranty\*

3 years limited depot

##### Print technology

Dye sublimation/rewritable

##### Feed system

Manual/automatic

##### Upgrade

Single to double-sided 3633-0052 ●

##### Connectivity

USB ●  
Ethernet ●

##### Compatibility

Windows XP, Vista, 7, 8, 8.1, 10 (32/64bit)  
Windows server 2003 R2 SP2, 2008,  
2012, 2016 and Mac OS X 10.9.0 upwards

##### Card thickness

mm 0.51 to 1.02  
mil 20 to 40

##### Dimensions

mm 206 W x 233 H x 453 D  
Inch 8.1 W x 9.2 H x 17.8 D  
Weight kg 5.5  
Weight lb 12

##### Operating environment

Sheltered office  
10°C - 30°C / 50°F - 85°F

##### Maintenance

Cleaning kit 3633-0053



### Pronto

#### Hand-fed

##### Print speed

1 full colour card per 35 seconds  
1 monochrome card per 7 seconds

##### Card capacities

Hand-fed

##### Visual security

Standard HoloKote® watermark (x4) ●  
HoloPatch® cards ●

##### Electronic security

ISO 7811 magnetic stripe ●  
ISO 7816 contact chip ●  
MIFARE®, DESFire®, iClass® ●

##### Warranty\*

2 years limited depot

##### Print technology

Dye sublimation/rewritable

##### Feed system

Manual

##### Upgrade

N/A

##### Connectivity

USB ●

##### Compatibility

Windows XP, Vista, 7, 8, 8.1, 10 (32/64bit)  
Windows server 2003 R2 SP2, 2008,  
2012, 2016 and Mac OS X 10.9.0 upwards

##### Card thickness

mm 0.51 to 1.02  
mil 20 to 40

##### Dimensions

mm 215 W x 233 H x 270 D  
Inch 8.4 W x 9.1 H x 10.6 D  
Weight kg 4.4  
Weight lb 9.7

##### Operating environment

Sheltered office  
10°C - 30°C / 50°F - 85°F

##### Maintenance

Cleaning kit CK1

# Photo-quality printing, a smart interface and in-line visual security

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, powered by a high grade processing unit and boasting an impressive array of features.

Helix is the World's first retransfer printer with built-in visual security, with the ability to apply a secure watermark to each card during the retransfer process. This feature also exploits the wavelengths of the film to fluoresce under UV lighting conditions.

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



## Printer highlights

<p><b>125</b></p> <p><b>Printing speed</b></p> <p>Up to 125 full colour cards per hour</p>	<p><b>200/200</b></p> <p><b>Card capacities</b></p> <p>200 card input 200 card output</p>	<p><b>3 YEAR UCP</b></p> <p><b>Warranty</b></p> <p>3 year UltraCoverPlus with hot swap printer and lifetime printhead cover</p>	<p><b>CUSTOM LOGO</b></p> <p><b>Visual security</b></p> <p>Standard or Custom HoloKote® watermark with UV effect</p>	<p><b>Windows   OS X</b></p> <p><b>Operating systems</b></p> <p>Windows and Mac OS compatible</p>
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## Standard and optional features

Standard					
Optional					

## Printer variants

Single-sided		Double-sided	
Helix Uno	3663-0001	Helix Duo	3663-0021
Helix Uno Mag	3663-0002	Helix Duo Mag	3663-0022
Helix Uno Smart	3663-0003	Helix Duo Smart	3663-0023
Helix Uno Smart Mag	3663-0004	Helix Duo Smart Mag	3663-0024

# Security features



## Printer security

**Standard** : Kensington lock.

**Option** : User log-on, secure film cassettes, secure blank media feeder, secure card reject hopper, ribbon erase facility.

## Security watermark with UV effect

**Standard HoloKote®** : 10 standard designs, for use with secure dye film only (YMCKS).

## Customised watermark with UV effect

**Custom HoloKote®** : Ordered separately, delivered electronically and for use with secure dye film only (YMCKS).

## Magnetic stripe encoding

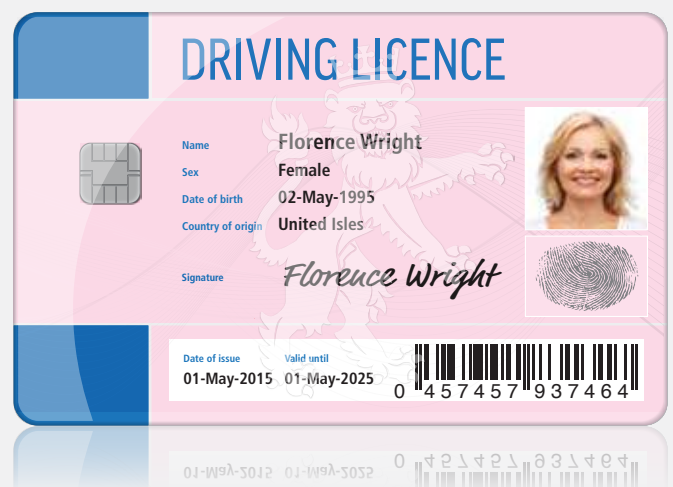
HiCo and LoCo encoder ISO std. 7811, JIS2.

## Smart card encoding

Contact chip, MIFARE®, DESFire®, iClass® options. Others available.

## HoloKote® watermark built-in visual security

HoloKote® for Helix is a patented technology that applies a secure watermark to each card during the retransfer process. This feature also exploits the wavelengths and lens effect of the film to fluoresce under UV lighting conditions. The Helix has 10 standard designs which are selectable from the printer driver. The Helix also offers the option to customise a watermark of your organisation's unique logo or a specific security design.



# Industry applications

- Retransfer printer
- State drivers licence
- 1,000,000+ credentials



- Retransfer printer
- Localised national ID card issuance
- 10,000,000+ credentials



- Retransfer printer
- Fully personalised financial card
- 1,000,000+ credentials





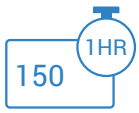


# The industry standard for secure ID cards

The Rio Pro sets the standard for secure ID card printing. High capacity card hoppers and a fast print engine can produce more than 1,200 cards per day.













Its Custom HoloKote® visual security system protects cards from fraud while Ethernet connectivity, a suite of encoding options and a comprehensive SDK deliver flexibility, security and reliability to your desktop.



## Printer highlights

 <p><b>Printing speed</b> Up to 150 full colour cards per hour</p>	 <p><b>Card capacities</b> Standard: 100 input, 70 output Optional: 200 input, 200 output</p>	 <p><b>Warranty</b> 3 year UltraCoverPlus with hot swap printer</p>	 <p><b>Visual security</b> Standard or Custom HoloKote® watermark</p>	<p><b>Windows   OS X</b></p> <p><b>Operating systems</b> Windows and Mac OS compatible</p>
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## Standard and optional features

Standard				
				
Optional				
				
				

## Printer variants

Single-sided		Double-sided	
Rio Pro Uno	3652-0001	Rio Pro Duo	3652-0021
Rio Pro Uno Mag	3652-0002	Rio Pro Duo Mag	3652-0022
Rio Pro Uno Smart	3652-0003	Rio Pro Duo Smart	3652-0023

# Security features

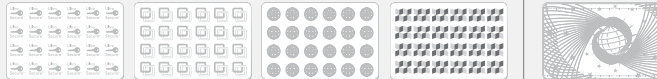


SECURITY  
LEVEL

## Security watermark

**HoloKote®** (4 standard designs)

**HoloKote Flex®** (1 standard design)



## Customised watermark

**Custom HoloKote®** ordered separately.

## Gold seal

**HoloPatch®** card stock ordered separately.

## Magnetic stripe encoding

HiCo and LoCo encoder ISO std. 7811

## Smart card encoding

Contact chip, MIFARE®, DESFire®, iClass® options. Others available.

## HoloKote® – built-in visual security

HoloKote is a patented technology that frosts a secure watermark onto the card's surface during printing. The Rio Pro has 5 standard designs which are selectable from the printer driver. The Rio Pro series also offers the option to customise a watermark of your organisation's unique logo or a specific security design.

The highly reflective 'super diffuser' seal on HoloPatch cards accentuate the watermark to enable security verification from a distance.



# Industry applications

- Rio Pro printer
- Secure access control
- 35,000+ credentials



- Rio Pro printer
- Badging and access control
- 3,000+ credentials



- Rio Pro printer
- Membership card
- 3,000+ credentials



# The World's most reliable ID card printer

Robust, durable and reliable, the Enduro3E is perfect for schools, colleges and medium sized businesses that print up to 10,000 cards per year. The latest edition of this established ID card printing platform now includes Ethernet as standard and a 3 year warranty. When it comes to secure and reliable ID card printing, you can trust the Enduro3E to deliver.



## Printer highlights

<p><b>Printing speed</b> Up to 125 full colour cards per hour</p>	<p><b>Card capacities</b> 100 card input 30 card output</p>	<p><b>Warranty</b> 3 year limited depot</p>	<p><b>Visual security</b> HoloKote® watermark</p>	<p>Windows   OS X</p> <p><b>Operating systems</b> Windows and Mac OS compatible</p>
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## Standard and optional features

### Standard



### Optional



## Enduro3E is ideal for:

Enterprise and education identity applications.

## Part numbers

Single-sided		Double-sided	
Enduro3E Uno	3633-3001	Enduro3E Duo	3633-3021
Enduro3E Uno Mag	3633-3002	Enduro3E Duo Mag	3633-3022
Enduro3E Uno Smart	3633-3005	Enduro3E Duo Smart	3633-3025

# Security features

Pronto and Enduro3E



## Security watermark

**Standard HoloKote®** : 4 standard designs.

## Gold seal

**HoloPatch®** card stock – ordered separately.

## Magnetic stripe encoding

HiCo and LoCo encoder ISO std. 7811.

## Smart card encoding

Contact chip, MIFARE®, DESFire®, iClass® options.



# Simply the best value card printer

Incredibly easy to use with drop-in dye film and hand-fed card loading, the Pronto includes the HoloKote® visual security system and can print colour, monochrome or rewritable cards. Its plug-and-play setup and compact footprint are ideal for portability and lower volume card printing.



## Printer highlights

<p><b>Printing speed</b> Prints 1 full colour card per 35 seconds</p>	<p><b>Card capacities</b> Hand-fed</p>	<p><b>Warranty</b> 2 year limited depot</p>	<p><b>Visual security</b> HoloKote® watermark</p>	<p><b>Windows   OS X</b></p> <p><b>Operating systems</b> Windows and Mac OS compatible</p>
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## Standard and optional features

### Standard



### Optional



## Pronto is ideal for:

Loyalty and membership applications.

## Part numbers

### Single-sided only

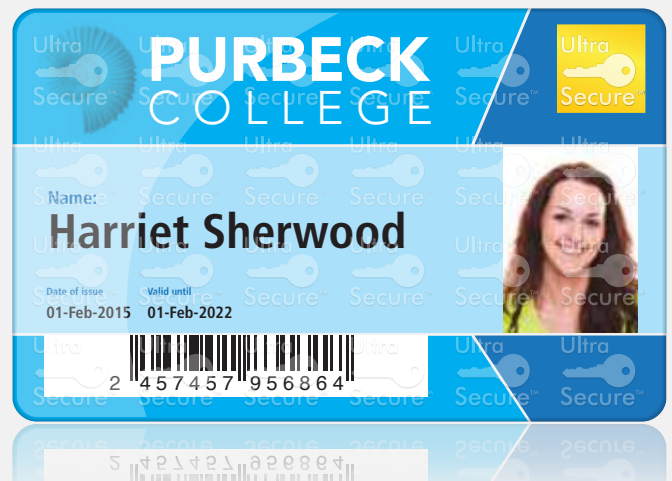
Pronto	3649-0001
Pronto Mag	3649-0002
Pronto Smart	3649-0003

## HoloKote® – built-in visual security

HoloKote® is a patented technology that frosts a secure watermark onto the card's surface during printing. The Pronto and Enduro3E have four standard designs which are selectable from the driver.

The ultra reflective 'super diffuser' seal on HoloPatch cards highlight the watermark to enable security verification from a distance.

## HoloKotes for Pronto and Enduro3E



### Rio **PRO** Xtended

## Xtend your card printing capability

An adaptation of the Rio Pro print platform, the Rio Pro Xtended prints oversized cards up to 140mm long for ticketing, accreditation and product/food labelling.



### Rio **PRO** Secure

## Secure your localised credential issuance

The Rio Pro Secure features an opaque, lockable input hopper to secure blank cards. A secondary lock prevents the printer from being opened by unauthorised personnel and secures the opaque output stacker cover.



### Prima **4**

## Retransfer printing with in-line lamination

FIPS-201 certified for the personalisation of US Government credentials, the Prima 4 provides a reliable, robust solution for instant issuance and lamination in a compact package.

Optional UV printing, holographic lamination and multiple encoding options add an additional layer of security and durability.



# User friendly ID issuance software

**TRUST** 

TrustID was developed to meet the needs of all card-issuing organisations. Its intuitive, drag and drop interface requires no prior knowledge in design or the creation of databases, making it ideal to create and print secure identification cards in significantly less time than traditional card software. TrustID demystifies card issuance, enabling you to focus on your people, instead of your software.



TrustID software	Classic	Pro	Pro Smart
Card templates	Single	Multiple	Multiple
Internal database	200 records	Unlimited	Unlimited
External database	CSV import	CSV import	SQL
Smart card encoding	--	--	MIFARE® and iClass®
Compatibility	All Magicard printers. Windows XP to 10.1	All Magicard printers. Windows XP to 10.1	All Magicard printers. Windows XP to 10.1






# The ideal access card

**ULTRA**  
secure

Premium technology cards optimised for easy printing, seamless integration and rapid deployment, UltraSecure cards are designed to compliment and enhance existing security installations.

- Choose from a wide selection of card types, each designed to meet the specifications of your original access control system.
- Easily order blank, initialised or fully programmed credentials with external numbering and custom printing including logos, backgrounds and anti-fraud patterns.
- Desktop Magicard printers encode data and add customised watermarks, lamination or UV printing to credentials at the point of issuance.



	Wiegand Proximity	SMA Proximity	MIFARE Classic®	MIFARE® DESFire® EV1	ICC Chip/Contactless
Security level					
Physical access	●	●	●	●	●
Logical access	--	--	●	●	●
Multi-application	--	--	●	●	●
Encryption	Hexadecimal	Proprietary	Proprietary	AES and 3DES	AES, 3DES and more
Prox-compatible	●	●	--	--	--
Card memory	Up to 40bits	Up to 1kb	1kb	Up to 8kb	Up to 1Gb
UltraSecure delivery windows	24 hours*	24 hours*	48 hours*	1 week*	1-2 weeks*
Typical supplier delivery windows	2-3 weeks*	2-3 weeks*	2-3 weeks*	1-2 weeks*	3-4 weeks*
Cost level	\$\$	\$\$	\$	\$\$\$	\$\$\$\$

\*custom programmed cards

## Direct-to-card printer dye film

Dye films	Print capacity	Product code	Pronto	Enduro3E	Rio Pro
Colour dye film with overcoat panel (YMCKO)	100	MA100YMCKO	●	●	●
Colour dye film with overcoat panel (YMCKO)	300	MA300YMCKO	●	●	●
Double-sided dye film, prints colour on one side, black on reverse (YMCKOK)	250	MA250YMCKOK	—	●	●
Black resin dye film with overcoat panel (KO)	600	MA600KO	●	●	●
Monochrome resin dye film - Black	1000	MA1000K-Black	●	●	●
Monochrome resin dye film - White	1000	MA1000K-White	●	●	●
Monochrome resin dye film - Silver	1000	MA1000K-Silver	●	●	●
Monochrome resin dye film - Gold	1000	MA1000K-Gold	●	●	●
Monochrome resin dye film - Blue	1000	MA1000K-Blue	●	●	●
Monochrome resin dye film - Red	1000	MA1000K-Red	●	●	●
Monochrome resin dye film - Green	1000	MA1000K-Green	●	●	●

## Helix retransfer printer consumables

Helix HoloKote® film set	Print capacity	Product code
Colour dye film with secure HoloKote panel and retransfer film set (x4 YMCKS and x3 retransfer films)	3000 images	SET-HX3000S
Helix standard film set	Print capacity	Product code
Colour dye film and retransfer film set (x1 YMCK and x1 retransfer film)	1000 images	SET-HX1000
Helix HoloKote® dye film	Print capacity	Product code
Colour dye film with secure HoloKote panel (YMCKS)	750 images	HX750YMCKS
Helix standard dye film	Print capacity	Product code
Colour dye film (YMCK)	1000 images	HX1000YMCK
Double-sided dye film, prints colour on one side and black on reverse (YMCKK)	750 images	HX750YMCKK
Helix retransfer film	Print capacity	Product code
Retransfer film	1000 images	HX1000RT

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## Legal

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