

Secure ID solutions

Prima 3 printer

For reverse transfer ID card printing with lamination

Kalamazoo recommend a range of ID card printers ideal for the personalisation of cards for a wide range of identification purposes.

This range of printers is fully compatible with Kalamazoo's PositivID solution and together they will provide a robust and reliable ID card printing solution.

We can supply printers to suit a variety of environments, from low volume to high volume card issuers, single or double-sided print and full colour or monochrome.



Reverse transfer lamination printer

The reverse transfer printer prints on the reverse side of a clear film which is laminated onto the card surface. This process creates consistently high quality printed cards, even though the surface is inconsistent due to embedded technologies such as IC chips or antennas.

Also, images printed using the reverse transfer process are known to wear better than cards printed direct to card.

To prevent fraudulent copying the Prima 3 will incorporate security features, including a UV Hologram watermark in the retransfer film and Holographic laminates.

For extra protection you can also incorporate a wide range of encoding options, such as Philips Mifare, Desfire, Mifare ProX and i-code; HID iClass; Legic; Texas TagIT; ST; Infineon; Atmel; KSW.

As standard the Prima 3 printer will print edge-to-edge (full bleed) and prints full colour and double-sided (with lamination) in 30-40 seconds.

All printers within the Professional range are covered by the 3 years UltraCoverPlus warranty.

Printer specifications

Printing

Print technology - Reverse transfer

Print speed - YMCK between 30-40 seconds (depending on the printer model)

Card thickness - 0.25mm to 2.0mm (10mil to 80mil)

Card capacity - 300 card feed hopper, 100 card output stacker

Consumables

Dye film -

Prima/111/R: 1000 YMCK full-colour printing
 Prima/112/R: 750 YMCKK full-colour one side and black on reverse
 Prima/152/R: 750 YMCK-UV full-colour and UV

Retransfer film - Prima/153/R: 1000 image (must be paired with dye film for printing)

Laminates - Thin, 0.5 mil or 1 mil patch laminates available. Clear and holographic

Cards - PVC, ABS, PET, PVH, and Polycarbonate ISO Standard CR80 sized cards

Security (Use driver settings to activate HoloKote)

Security watermark -

UV Hologram watermark in Retransfer film
 Holographic laminates 0.5 mil to 1 mil (Laminator unit option only)

Gold seal - N/A

Encoding (Please specify when ordering)

Magnetic stripe - HiCo encoder ISO std. 7811 (Optional)

Smartcard encoder - Chip contact (Optional)

Prox. card (contactless) - Various contactless smart card options available

Printer

Printer interface - USB 2.0 (high speed + ethernet)

Drivers / software - Windows 2000, 2003, XP and Vista

Dimensions - Prima 3 (Single-sided: Prima/138/E, Double-sided: Prima/140/E)
 340mm W x 381mm H x 340mm D
 (13.3" W x 15" H x 13.3" D)

Warranty - 3 years UltraCoverPlus warranty (EU, North America and selected other territories).

Kalamazoo recommend five ID card printers from the professional series:

	PROFESSIONAL SERIES				
	Alto	Rio 2e	Tango 2e	Tango +L	Prima 3
Printing					
Print technology	Dye sublimation	Dye sublimation	Dye sublimation	Dye sublimation	Reverse-transfer
Feed system	Manual	Automatic	Automatic	Automatic	Automatic
Card capacity: hopper input / stacker output		100/50	100/50	100/50	300/100
Single-sided printer	M9006-380E	M9006-749E			Prima/138/E
Double-sided printer			M9006-745E	M9007-208E (240v) M9007-125E (115v)	Prima/140/E Prima/142/E (Plus)
Encoding / Variants					
Mag stripe encoding - tracks 1 & 2	M9006-381E				
Mag stripe encoding ISO 7811 - tracks 1, 2 & 3		M9006-751E	M9006-747E	M9007-215E (240v) M9007-214E (115v)	
Mag stripe HiCo / LoCo	HiCo	HiCo/LoCo	HiCo/LoCo	HiCo/LoCo	HiCo/LoCo
Contact Chip encoding		•	•	•	•
Contactless Mifare/iClass encoding		•	•	•	•
Contactless Legic encoding					•
Other configurations available on request (HID-Gemplus-Etag-Inside Technologies)		•	•	•	•
Batch operation					
Laminator				• (Integrated)	• (Module)
Connectivity and Drivers					
USB connection	•	•	•	•	•
Ethernet connection		•	•	•	•
Windows 2000/2003/XP/Vista	•	•	•	•	•
Warranty					
1 year limited					
2 year limited					
3 years UltraCoverPlus: FREE loaner service)	•	•	•	•	•
Printhead guarantee	3 years	3 years	3 years	3 years	Lifetime
Visual security					
HoloKote watermark - standard design	Waves	Ultra Secure logo	Ultra Secure logo	Ultra Secure logo	
HoloKote watermark - custom design	Text - 2 lines of 6 characters	Logo and text	Logo and text	Logo and text	Custom design
Custom holograms				•	•
UV film					•
HoloPatch® / Magstripe Cards	•	•	•	•	• (Magstripe only)
Print speed					
Colour (seconds)	30	22	22	82-120 inc.lamination	30-40(varies on model type)
monochrome (seconds)	6	6	6	6	
Card thickness					
mm	0.51 to 1.02	0.51 to 1.6	0.51 to 1.6	0.76	0.25 to 2.0/encoder to 1.4
ml	20 to 40	20 to 63	20 to 63	30	10 to 80/encoder to 55
Dimensions					
Width x Height x Depth : mm	175 x 200 x 211	194 x 233 x 370	194 x 233 x 471	700 x 260 x 300	340 x 381 x 340
Width x Height x Depth : inch	6.9 x 7.8 x 8.3	7.6 x 9.2 x 14.5	7.6 x 9.2 x 18.6	27.5 x 10 x 12	13.4 x 15 x 13.4
Weight Kg	3.2	7.2	8.3	20	22
Weight lb	7	15.8	18.3	44	48.5
Maintenance					
Cleaning kit	CK1	M9005-761	M9005-761	M9005-761	Prima/005

PROFESSIONAL SERIES