

Secure ID solutions

## Tango +L printer

Double-sided ID card printer  
with integrated laminator

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.



### **Combined print and laminator.**

Based on the proven Tango print engine, and with a new design laminator, the Tango +L is the best choice for reliable, secure production of both single and double-sided laminated cards.

The robust double-sided Tango +L prints top quality images and offers customers an option for fully customisable HoloKote™ or Holograms combined with lamination. This solution provides long life secure cards and extra durability when required.

For further security the HoloPatch™ creates a highly-visible gold seal using special card stock.

For extra protection you can also incorporate the Magstripe, smart card, MiFare, iclass encoding options available.

As standard the Tango +L printer will print edge-to-edge (full bleed) and prints double-sided (with lamination) in 82-120 seconds.

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

### Printer specifications

#### Printing

Print technology - Dye sublimation

Print speed - 82 - 120 seconds double-sided plus lamination

Card thickness - 30mil / 0.76mm

Card capacity - 100 card feed hopper, 50 card output stacker

#### Consumables

Dye film -

LC1: 350 image YMCKO, dye film

LC3: 1000 image monochrome resin dye film (range of colours)

LC6: 600 image KO dye film, (black resin and overcoat)

LC8: 300 image YMCKOK dye film

Laminates - Thin overcoat film, 0.6 or 1 mil patch laminates. Clear and holographic

Cards - PVC ISO CR80 cards. HiCo mag stripe and HoloPatch available.

Security (Use driver settings to activate HoloKote)

Security watermark - HoloKote®, Hologram, OVD film - Standard or custom designs

Gold seal - HoloPatch® cardstock - ordered separately

Encoding (Please specify when ordering)

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

Smartcard encoder - Chip contact (Optional)

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

#### Printer

Printer interface - USB rev.1.1 (USB 2.0 compatible)

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

Dimensions - Tango +L (240V: M9007-208E, 115V: M9007-125E)  
700mm W x 260mm H x 300mm D  
(27.5" W x 10.2" H x 11.8" 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
<b>Printing</b>					
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)
<b>Encoding / Variants</b>					
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)
<b>Connectivity and Drivers</b>					
USB connection	●	●	●	●	●
Ethernet connection		●	●	●	●
Windows 2000/2003/XP/Vista	●	●	●	●	●
<b>Warranty</b>					
1 year limited					
2 year limited					
3 years UltraCoverPlus: FREE loaner service)	●	●	●	●	●
Printhead guarantee	3 years	3 years	3 years	3 years	Lifetime
<b>Visual security</b>					
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)
<b>Print speed</b>					
Colour (seconds)	30	22	22	82-120 inc.lamination	30-40(varies on model type)
monochrome (seconds)	6	6	6	6	
<b>Card thickness</b>					
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
<b>Dimensions</b>					
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
<b>Maintenance</b>					
Cleaning kit	CK1	M9005-761	M9005-761	M9005-761	Prima/005

PROFESSIONAL SERIES