



THERMAL INKJET – **TJ500/1000**

The low-cost inkjet printer for industrial applications. The TJ500 and TJ1000 printing systems can be installed quickly and are easy to operate. Both systems require low investment costs.



simple



competent



reliable

THERMAL INKJET – QUICK AND EASY

TJ500 and TJ1000

CUSTOMER FEEDBACK

"We were looking for a cost-effective and flexible marking solution for our production line. The TJ500 has proven to be an excellent choice."

Björn Ickes, Head of Application Engineering/R&D at RCP Ranstadt



Björn Ickes



The thermal inkjet TJ500 and TJ1000 printers offer a flexible and easy method of printing. With the HP cartridge technology, you can print on all surfaces – whether cardboard, plastic, metal, foil or wood. There are no limits to the printing options. Print heights range from 12.5 mm (1") for the TJ500 to 25 mm for the TJ1000. Cascading allows multiple thermal inkjets to be combined to create larger product labels.

Inks

Diagraph offers a wide range of inks for all surfaces and applications. The colors available are yellow, orange, red, green, blue and black.

Product benefits

- ✓ Low investment
- ✓ Fast, uncomplicated installation
- ✓ Rapid-drying ink
- ✓ Premium print and barcode quality
- ✓ Fast, clean ink replacement
- ✓ Maintenance free





FAST AND EASY CARTRIDGE REPLACEMENT

Cartridges are replaced in a matter of seconds. The printhead is always replaced at the same time as the cartridge. This ensures maintenance-free operation of the printing system.



ROBUST STAINLESS STEEL HOUSING

Stainless steel housing protects the ink cartridges and electronics from knocks and impacts.



PRINT IMAGE IS ALWAYS OPTIMAL

The spring-back mount and the guiding rollers (optional) ensure that optimal print distance is maintained. This ensures perfect print results.



TECHNICAL DATA



THERMAL INKJET: VARIANTS

	TJ500	TJ1000
Print height	up to 12.7 mm	up to 25.4 mm
Technology	HP cartridge	HP cartridge
Print speed	up to 90 m/min	up to 90 m/min
Print resolution (horizontal)	up to 300 dpi	up to 300 dpi
Print resolution (vertical)	600 dpi	600 dpi
Max. printhead clearance to product	6 mm	6 mm
Clearance space bottom edge – nozzles	22 mm	22 mm
Dimensions (H x W x D)	93 x 34 x 158 mm	105 x 62 x 158 mm
Number of cartridges	1	up to 2
IP protection class	IP54	IP54
Print direction (standard)	Horizontal/vertical	Horizontal/vertical
Environmental conditions (operation)	10 – 40 °C/10 – 80% RH	10 – 40 °C/10 – 80% RH



INKS FOR THERMAL INKJET

Ink	Color	Application/material
Black Mamba	Black	All surfaces, good storage capability
Black Knight	Black	Non-porous surfaces
Black Solitaire	Black	Semi-porous surfaces, good storage capability
Black Velvet	Black	Porous surfaces
Red Tiger	Red	Non-porous surfaces
Red Robin	Red	Porous surfaces
Blue Monk	Blue	Porous surfaces
Green Cobra	Green	Porous surfaces
Orange Topaz	Orange	Porous surfaces
Yellow Orchid	Yellow	Porous surfaces

All inks are supplied in 45SI cartridges of 42 ml each.