TMT

TOTAL MARKING TECHNOLOGIES

**High-Resolution
Inkjet Printer**

TMC4-PIJ

The latest, smartest and most functional designs of piezo-jet printers for most secondary packaging lines.

Functional, reliable and robust.

Multiple piezo impulse print head controlled printing.

Automatic ink system design with quick prime, ink drainage and self-cleaning print head nozzle for 100% mess-free printing.
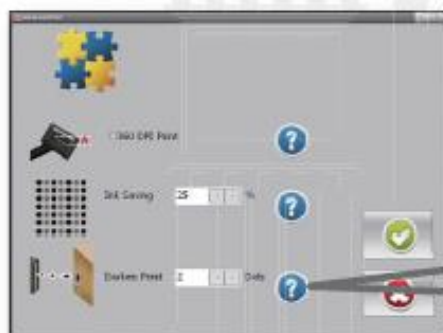
CE compliant.

Key Feature

01 Larger 12" touch screen to provide a simpler and cleaner user operation.

02 Windows operation software provides an ideal operating interface for any required languages.

03 Big icons help users create messages and control printing via touch screen. Ink consumption indicator on screen display.

04 Functional, user friendly software gives beginners access with minimum training.

05 Two levels password protection.

06 Instant ink consumption calculation per message.

07 Clear display for quick and easy print set-up.

Key Feature

08   Automatic ink system design with quick prime, ink drainage and self-cleaning print head nozzle for 100% mess-free printing.

09   Bulk ink delivery system provides a good solution for higher ink consumption.

10   Print head automatically purges during each print break.

11   Automatically clean print head nozzle, minimize your naintenance.

12   Security chip built into the ink cartridge to prevent incorrect ink usage.

13   Designed for oil, solvent and UV curible inks.

Key Feature

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14 Flexible installation includes floor stand, conveyor and swing-arm.
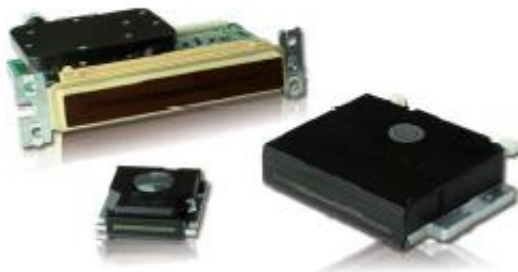
15 Spreadsheet database printing.

16 Remote printer control and monitor via Wi-Fi.

17 External data connectivity printing.

Scanner

USB

PLC

Ethernet

RS485

18 Flexible construction, one controller can control 4 X print heads (combination of 17.5mm, 54mm and 70mm).

RS232

PC

Electric Scale

19 Ink scrape off¹ function to ensure barcodes with razor-sharp, highly readable print.

Specfication

Operating Temperature Range	5°C ~45°C (41°F - 113°F)
Power Supply	AC 100V - 240V, 50/60Hz, 1.6A, auto-switching
Display	Controller : 12" full color LCD touch screen display
	Print Head System : 4.3" color LCM module (Touch Screen)
Print Capability	Alphanumeric of full true type fonts
	Scalable text; rotation, mirror and inverse printing
	Automatic time and date functions
	Automatic best-before date calculation
	Automatic incrementing & decrementing batch counting and Lot-Box code
	Auto repeat printing
	Graphic format supported using 1 bit bitmap file (*.bmp)
	16 programming shift codes with automatic rollover
	GS1 barcodes / 2D codes
	External data connectivity print
	Data base print
External Data Communication Interface	RS232, RS485 and Ethernet
Maximum Print Height	17.5mm for PT128 head
	54mm for PT382 head
	70mm for PT510 head
Print Lines	Multiple lines depanding upon the print character size
Message Length	Maximum to 1.024mm
Vertical Print Resolution	185 dpi
Horizontal Print Resolution	200 dpi
Built-in Message Storage Capacity	4GB SDD available for message storage, actual message size will vary based on content
Print Speed (Conveyor)	Up to 98 feet/min(30m/minute) at 300dpi with 128 80pl print head
	Up to 197 feet/min(60m/minute) at 300dpi with 128 40pl print head
	Up to 164 feet/min(50m/minute) at 300dpi with 382 60pl print head
	Up to 98 feet/min(30m/minute) at 300dpi with 510 80pl print head
Ink Supply	250ml ink cartridge (standard), 500ml ink cartridge (optional)

⑤

Specfication

Length of Data Line	Controller to print head control system : 5m(Maximum)
	Print head control system to print head : 80cm(Maximum)
Dimension (L/W/H)	Controller : 34 x 26 x 7.6 (cm) / 13.4 x 10.2 x 3 (inches)
	Print head system : 16 x 45 x 14 (cm) / 6.3 x 17.7 x 5.5 (inches)
Weight	Controller : 5.8 kg (12.8 lb)
	Print head system : 4.2 kg (9.3 lb) - excluding cartridge and bracket
Installation	Side & downside printing bracket
Distance to Print Surface	Maximum 6.5mm (0.25 inches)

Optional Accessories

Encoder
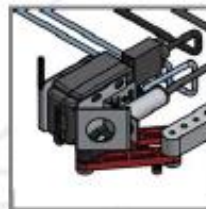For operation with variable speed conveyors.

UV Curing System
Ink curing to instant by ink.

External Light Beacon
Indicates low ink levels.

Swing-Arm
For help maintain distance between print head and product to be perfectly printed.