TMP 1700 PinStamp® Systems
The Versatile Solution for Direct Part Marking

The compact and durable TMP1700 single-pin marking system is our most popular system. Easily integrated into production lines, it is also excellent as a benchtop system and is even available in a convenient handheld configuration. The standard shutter assembly protects the unit from debris.
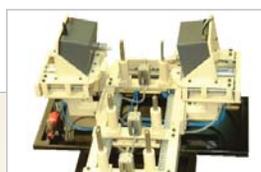
The TMP1700 comes in two designs:
Telesis's patented "floating pin" pneumatic design
- Accommodates surface irregularities up to 6.5mm (0.25")
- A range of pin options offering differing depths, including the deep-marking 150S and 150SA
- Clip-on cartridge for easy maintenance

Electric pin design (TMP1700E)
- Easy setup and use (no air needed)
- Optional autosense feature (TMP1700EAS), combined with a programmable tool post, ensures consistent pin stroke and mark quality

The TMP1700 also offers versatility in controller options:
- Self-contained TMC420 controller, for PC-free operation, offers easy integration, programming and communications
- The TMC090 controller, for use with a PC and Merlin® II Visual Design software, provides a state-of-the-art user interface for graphic designs and advanced pattern management

Other options available for the TMP1700 include:

Manual and programmable tool posts

Rotary drives for marking cylindrical parts

- Fabric boot giving additional protection from liquid and solid contaminants
- Start-print footswitch and pushbutton station
- Marking head extension cables
- Bar code scanner kit for data entry
- PC-based logo/font design, pattern backup, and upgrade software
- Panel-mount (TMC420P) and NEMA enclosure (TMC420N) controllers
- Extended cartridge with 25L or 25XL pins, other custom cartridges can be quoted on request

The TMP1700 contains Data Matrix® 2-D code marking capability, meeting all US Department of Defense UID requirements and other industry standards.

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SPECIFICATIONS

TMP1700 Marking Head

Marking Window:	63.5 x 38.1mm (2.5 x 1.5")
Maximum Marking Speed:	4 characters/second – 3mm high 5 x 7 dot matrix characters w/25L pin
Approx. Size: L x W x H	171 x 159 x 194mm (6.7 x 6.3 x 7.6") – 25L pin retracted in standard cartridge
Head Weight:	2.9 kg (6.4 lbs.)
Pin Types:	Pneumatic: 10MP, 25L, 25XL, 150S &150SA
	Electric: 25XLE
Head Enclosure Rating:	IP30 (NEMA 1), IP40 (NEMA 2) with optional boot
Air Requirements:	4.2 to 8.3 bars (60 to 120 psig), clean and dry

	TMC420 Controller	**TMC090 Controller**
Size: L x W x H	317 x 203 x 71mm (12.5 x 8 x 2.8")	290 x 259 x 74mm (11.5 x 10.2 x 2.9")
Weight:	2.15 kg (4.75 lbs.)	2.15 kg (4.75 lbs.)
Memory:	Store up to 75 pattern files	Determined by PC
Keyboard:	Sealed & integrated	With PC
Enclosure Rating:	IP30 (NEMA 1)	IP30 (NEMA 1)
	IP65 (NEMA 12) – TMC420N	
	or TMC420P appropriately installed	
Operating Temperature:	0° to 50°C (32° to 122°F) (head and controller)	
Power Requirements:	95 – 130 VAC or 200 – 250 VAC, 50 – 60Hz, single phase	
Communications:	Serial port (RS-232 or RS-485), discrete I/O (12 – 24 VDC), TTL start/abort	USB to PC, Discrete I/O (12 – 24 VDC), TTL start/abort, RS-232 or RS-485 (through the computer)
Compliance:	CE, UL, CSA	

TMC420

TMC420P Panel-Mount

TMC420N Nema Enclosure

TMC090

Each TMP1700 comes standard with the following:

• Marking head

• Pin cartridge and marking pin

• Marker cable prewired to marking head (4m/13 ft. long)

• Filter/regulator unit with 1/4" air lines (3.6m/12 ft.)
  to marking head

• TMC420 or TMC090 controller (depending on system ordered)
  with power cable

• For TMC090 controller, USB v2.0 cable and board
  (for laptop, low-profile, or full-size PCs)

• Setup, operation, and maintenance manuals on CD-ROM