

## TMP3200 PinStamp® Systems A Proven Performer for Direct Part Marking

With a generous 150 x 100mm (6 x 4") window, the TMP3200 single-pin marking system easily accommodates nearly any direct part marking challenge. The robust design results in a very low maintenance system, whether used in a factory-automated application or as a benchtop unit. The standard shutter assembly protects the working mechanisms of the unit from debris.



### The TMP3200 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 150SA
- Optional clip-on cartridge for easy maintenance

#### Electric pin design (TMP3200E)

- Easy setup and use (no air needed)
- Optional autosense feature (TMP3200EAS), combined with a programmable tool post, ensures consistent pin stroke and mark quality

### The TMP3200 also offers performance with two 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 TMP3200 include



- Manual and programmable tool posts



- Rotary drives for marking cylindrical parts

- 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



The TMP3200 contains Data Matrix® 2-D code marking capability, meeting all US Department of Defense UID requirements and other industry standards.



## SPECIFICATIONS

TMP3200 Marking Head	
Marking Window	150 x 100mm (6 x 4")
Maximum Marking Speed	4 characters/second – 3mm high 5x7 dot matrix characters w/25S pin
Head Weight	6.8 kg (15 lbs.)
Pin Types	Pneumatic: 25S, 25L, 25XL, and 150SA Electric: 25XLE
Head Enclosure Rating	IP30 (NEMA 2)
Air Requirements	4.2 – 8.3 bars (60 – 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 and integrated	With PC
Enclosure Rating:	IP30 (NEMA 1) IP65 (NEMA 12) – TMC420N or TMC420P appropriately installed	IP30 (NEMA 1)
Operating Temperature:	0° – 50°C (32° – 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 TMP3200 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 4mm 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

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