

TMM4250 PinStamp® Systems Designed for Tough Environments

The fully-sealed TMM4250 multiple-pin marking system, with up to four pins in a variety of arrangements, is designed for use in wet and dirty environments. With the outstanding marking speeds from the four-pin configuration and a compact size, the TMM4250 is easily integrated into a wide range of manufacturing settings.



The TMM4250 is built to last

- The pin cartridge is surrounded by a rubber boot for protection against solid and liquid contaminants, including machine tool coolants
- All potential openings are sealed, resulting in a NEMA 13 (IP65) rating

The TMM4250 is built around Telesis's patented "floating pin" pneumatic design

- Accommodates surface irregularities up to 6.5mm (0.25")
- Available with up to four high-speed 25S pins or two deep-marking 150SA pins

The TMC420 controller creates a self-contained system

With PC-free operation, the TMC420 is designed for ease of integration, programming, and communications. Upgrading to the TMC420P (panel-mount) TMC420N (NEMA enclosure) options gives a complete NEMA 12 (IP 65) package capable of performing in challenging environments.

Other options available for the TMM4250 include

- 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 TMM4250 contains Data Matrix® 2-D code marking capability, meeting all US Department of Defense UID requirements and other industry standards.



SPECIFICATIONS

TMM4250 Marking Head

Marking Window	24 x 13mm (0.94 x 0.5") – w/ four 25S pins 48 x 12mm (1.89 x 0.5") – w/ four 25S pins or two 150SA pins
Maximum Marking Speed	8 characters/second – 3mm high 5x7 dot matrix characters w/25S pin
Marking Pin Type	Pneumatic w/air return
Head Weight	2.2 kg (4.9 lbs.)
Pin Types	25S and 150SA
Head Enclosure Rating	IP65 (NEMA 13)
Air Requirements	4.2 – 8.3 bars (60 – 120 psig), clean and dry

TMC420 Controller

Size (L x W x H)	317 x 203 x 71mm (12.5 x 8 x 2.8")
Weight	2.15 kg (4.75 lbs.)
Memory	Store up to 75 pattern files
Keyboard	Sealed and integrated
Enclosure Rating	IP30 (NEMA 1) – TMC420, IP65 (NEMA 12) – TMC420N or TMC420P appropriately installed
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
Compliance	CE, UL, CSA



TMC420



TMC420P Panel-Mount



TMC420N Nema Enclosure

Each TMM4250 comes standard with the following

- Marking head
- Pin cartridge and marking pins
- Marker cable with quick-disconnect (4m/13 ft. long)
- Filter/regulator unit with 4mm air lines (3.6m/12 ft.) to marking head
- TMC420 controller with power cable
- Setup, operation, and maintenance manuals on CD-ROM

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