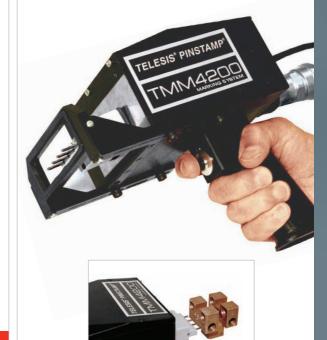## TMM4200 PinStamp® Systems
High-Speed Marking in a Versatile Platform

The unique TMM4200 multiple-pin marking system, with up to four pins in a variety of arrangements, is the ultimate handheld marker. Due to the high speed (up to 8 characters per second) and extremely compact envelope, it is also ideal for production line integration in high throughput operations. A standard shutter plate protects the head from solid contaminants.

The TMM4200 is available in two configurations
Handheld design
- The compact and ergonomic package weighs only 1.9 kg (4.1 lbs.)
- The lightweight and outstanding speed allows you to "mark and move on"
- The optional quick-disconnect tool post creates a flexible marking workstation

Fixtured design
- The slim envelope and high speed provide the ultimate flexibility in workstation design
- Takes up minimal space while reaching hard-to-mark areas

The TMM4200 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

Other options available for the TMM4200 include
- Quick-disconnect tool post
- Standoff V-blocks for marking along the length of cylindrical parts
- Cable balancer and attachment bracket
- Debris shield for additional protection from 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

The TMM4200 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

TMM4200 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	1.9 kg (4.1 lbs.) – hand-held configuration
	1.6 kg (3.5 lbs.) – fixtured configuration
Pin Types	25S and 150SA
Head Enclosure Rating	IP41 (NEMA 2)
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 TMM4200 comes standard with the following

- Marking head
- For handheld configuration, pistol-grip handle and integral standoff
- 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