TMM4215 PinStamp® Systems
The Ideal Balance of Speed, Ergonomics, and Flexibility

The innovative TMM4215 dual-pin marking system doubles the marking window length of the popular TMP4210 system, expanding the capabilities of this proven performer. The use of two pins also increases the speed of marking, making the marker even more suitable for handheld marking applications or integration into high-speed production lines.

The TMM4215 is available in two configurations
Handheld design
- The compact and ergonomic package weighs only 2.0 kg (4.4 lbs.)
- Allows for all-day use with minimal operator fatigue, resulting in fewer mis-marks and higher productivity
- The optional quick-disconnect tool post creates a flexible marking workstation

Fixtured design
- The slim envelope is ideal for integration into production lines
- Takes up minimal space while reaching hard-to-mark areas

The TMM4215 is built around Telesis's patented "floating pin" pneumatic design
- Accommodates surface irregularities up to 6.5mm (0.25")
- Available with the high-speed 25S pin or the deep-marking 150SA pin

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 TMM4215 include
- Quick-disconnect tool post
- Standoff V-blocks for marking along the length of cylindrical parts
- Cable balancer and attachment bracket
- Debris shield kit for 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 TMM4215 contains Data Matrix® 2-D code marking capability, meeting all US Department of Defense UID requirements and other industry standards.

TELESIS
MARK OF CONFIDENCE

TMM4215 Marking Head

Marking Window	100 x 13mm (4 x 0.5")
Maximum Marking Speed	4 characters/second – 3mm high 5x7 dot matrix characters w/25S pin
Marking Pin Type	Pneumatic w/air return
Head Weight	2.0 kg (4.4 lbs.) – hand-held configuration
	1.7 kg (3.8 lbs.) – fixtured configuration
Pin Types	25S and 150SA
Head Enclosure Rating	IP00 (no NEMA rating) – IP41 (NEMA 2) with optional shutter plate assembly
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 TMM4215 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