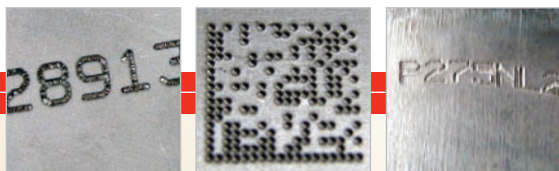


TMP4210 PinStamp® Systems Outstanding Durability for Handheld Marking

The lightweight but robust TMP4210 single-pin marking system offers unmatched convenience and flexibility. Designed as a handheld marker but also popular for fixtured or online applications, the TMP4210 is designed to withstand the real-world conditions typical of a factory floor.



The TMP4210 is available in two configurations

Handheld design

- The compact and ergonomic package weighs only 1.9 kg (4.2 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 TMP4210 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 TMP4210 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 TMP4210 contains Data Matrix® 2-D code marking capability, meeting all US Department of Defense UID requirements and other industry standards.



SPECIFICATIONS

TMP4210 Marking Head

Marking Window	50 x 13mm (2 x 0.5")
Maximum Marking Speed	3.5 characters/second – 3mm high 5x7 dot matrix characters w/25S pin
Marking Pin Type	Pneumatic w/air return
Head Weight	1.9 kg (4.2 lbs.) – hand-held configuration 1.6 kg (3.6 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 TMP4210 comes standard with the following

- Marking head
- For handheld configuration, pistol-grip handle and integral standoff
- Pin cartridge and marking pin
- 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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