

## 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.

## SPECIFICATIONS

### TMM4215 Marking Head

<b>Marking Window</b>	100 x 13mm (4 x 0.5")
<b>Maximum Marking Speed</b>	4 characters/second – 3mm high 5x7 dot matrix characters w/25S pin
<b>Marking Pin Type</b>	Pneumatic w/air return
<b>Head Weight</b>	2.0 kg (4.4 lbs.) – hand-held configuration 1.7 kg (3.8 lbs.) – fixtured configuration
<b>Pin Types</b>	25S and 150SA
<b>Head Enclosure Rating</b>	IP00 (no NEMA rating) – IP41 (NEMA 2) with optional shutter plate assembly
<b>Air Requirements</b>	4.2 – 8.3 bars (60 – 120 psig), clean and dry

### TMC420 Controller

<b>Size (L x W x H)</b>	317 x 203 x 71mm (12.5 x 8 x 2.8")
<b>Weight</b>	2.15 kg (4.75 lbs.)
<b>Memory</b>	Store up to 75 pattern files
<b>Keyboard</b>	Sealed and integrated
<b>Enclosure Rating</b>	IP30 (NEMA 1) – TMC420, IP65 (NEMA 12) – TMC420N or TMC420P appropriately installed
<b>Operating Temperature</b>	0° – 50°C (32° – 122°F) (head and controller)
<b>Power Requirements</b>	95 – 130 VAC or 200 – 250 VAC, 50 – 60Hz, single phase
<b>Communications</b>	Serial port (RS-232 or RS-485), discrete I/O (12 – 24 VDC), TTL start/abort
<b>Compliance</b>	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

**Telesis Technologies, Inc.** • Tel +1-740-477-5000 • [www.telesis.com](http://www.telesis.com)

**Germany** • +49 (0) 2191 60908-0 • [info@telesistech.com](mailto:info@telesistech.com)

**UK** • +44 (0) 1297 551313 • [sales-uk@telesistech.com](mailto:sales-uk@telesistech.com)

**France** • +33 (0)1 60.42.88.19 • [ventes@telesistech.com](mailto:ventes@telesistech.com)

**Netherlands and rest of Europe** • +31 (0)10 462 2136 • [sales-europe@telesistech.com](mailto:sales-europe@telesistech.com)

**China** • +86-021-33933851 • [sale.china@telesischina.com](mailto:sale.china@telesischina.com)

**Taiwan** • +866-7-3686678 • [sales.taiwan@telesistech.com](mailto:sales.taiwan@telesistech.com)