



## Pin Marking System Selection Guide

FEATURES	TMP7000	TMP6100	TMP3200	TMP1700
	Heavy Duty Large Character Deep Penetration Marking	Versatile Tabletop Marker for Batch Processing/Job Lots or On-Line Processes	Cost Effective On-Line High Speed Marking	Extremely Cost Effective On-Line High Speed Marking
Controller	TMC600 / TMC470	TMC600/TMC470	TMC600/TMC470	TMC600 / TMC470
Hand-Held Applications	Consult Factory	No	Consult Factory	Consult Factory
Mark Depth (Based on Rb53 Material Hardness)	0.001-0.022 in (0.03-0.56mm)	0.001-0.013 in (0.03-0.33mm)	0.001-0.013 in (0.03-0.33mm)	0.001-0.013 in (0.03-0.33mm)
Noise Level	Moderate	Moderate	Moderate	Moderate
Computer Host Interface	Yes	Yes	Yes	Yes
Computer Required	No	No	No	No
Marking Speed - MAX	Up to 2 Char/Sec	Up to 3 Char/Sec	Up to 6 Char/Sec	Up to 6 Char/Sec
Maximum Marking Window Size	4.0 x 6.0 in. (101.6 x 152.4mm)	6.0 x 12.0 in. (152.4 x 304.8mm)	4.0 x 6.0 in. (101.6 x 152.4mm)	1.5 x 2.5 in. (38.1 x 63.5mm)
Maximum Character Height	4.0 in. (101.6mm)	6.0 in. (152.4mm)	4.0 in. (101.6mm)	1.5 in. (38.1mm)
Programmable "Z" Axis	Consult Factory	Optional	Optional	Optional
Maximum No. of Pins	1	1	1	1
Multiple Line Marking	Yes	Yes	Yes	Yes
Arc Text	Yes	Yes	Yes	Yes
Continuous Characters	Yes	Yes	Yes	Yes
Logos	Optional Software	Optional Software	Optional Software	Optional Software
2-D Codes	Yes	Yes	Yes	Yes
Serialization	Yes	Yes	Yes	Yes
Date Codes	Yes	Yes	Yes	Yes
Surface Irregularities	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)
Number of Std. Fonts	3	3	3	3
User Defined Custom Fonts	Optional Software	Optional Software	Optional Software	Optional Software
Circumferal Marking	No	Optional	Optional	Optional
Resolution	Up to 200dpi (79d/cm)	Up to 200dpi (79d/cm)	Up to 200dpi (79d/cm)	Up to 200dpi (79d/cm)
Power	115 or 220VAC	115 or 220VAC	115 or 220VAC	115 or 220VAC
Air Supply	60-100 PSIG (4.1-9.9 Bars)	60-100 PSIG (4.1-9.9 Bars)	60-100 PSIG (4.1-9.9 Bars)	60-100 PSIG (4.1-9.9 Bars)
Electric Versions Available	No	Yes	Yes	Yes

FEATURES	TMP4500E	TMP4210	TMM7200	TMM5400
	Portable Hand-Held Deep Penetration Electric Pin Marking	Hand-Held Marking or Fixtured Applications with Severe Spacial Constraints	Heavy Duty, Large Character, Deep Penetration Marking	8-Pin Marking Head for Extremely High Speed On-Line Applications
Controller	TMC600/TMC470	TMC600*/TMC470	TMC470	TMC600*/TMC470
Hand-Held Applications	Consult Factory	Yes	No	Consult Factory
Mark Depth (Based on Rb53 Material Hardness)	0.001-0.018 in. (0.03-0.46mm)	0.001-0.013 in. (0.03-0.33mm)	0.001-0.022 in. (0.03-0.56mm)	0.001-0.010 in. (0.03-0.25mm)
Noise Level	Moderate	Moderate	Moderate	Moderate
Computer Host Interface	Yes	Yes	Yes	Yes
Computer Required	No	No	No	No
Marking Speed - MAX	Up to 4 Char/Sec	Up to 8 Char/Sec	Up to 21 Char/1.5 Sec	Up to 32 Char/1.5 Sec
Maximum Marking Window Size	1.0 x 4.0 in. (25.4 x 101.6mm)	0.5 x 2.0 in. (12.7 x 50.8mm)	64.0 sq. in. (413.0 sq. mm)	0.5 x 3.78 in. (12.7 x 96.0mm)
Maximum Character Height	1.0 in. (25.4mm)	0.5 in. (12.7mm)	1.75 in. (44.5mm)	0.5 in. (12.7mm)
Programmable "Z" Axis	No	No	No	No
Maximum No. of Pins	1	1	21	8
Multiple Line Marking	Yes	Yes	Yes	Yes
Arc Text	Yes	No	No	No
Continuous Characters	Yes	Yes	Yes	Yes
Logos	Optional Software	Optional Software	Optional Software	Optional Software
2-D Codes	Yes	Yes	Yes	Yes
Serialization	Yes	Yes	Yes	Yes
Date Codes	Yes	Yes	Yes	Yes
Surface Irregularities	Up to 0.1 in. (2.5mm)	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)
Number of Std. Fonts	3	3	3	3
User Defined Custom Fonts	Optional Software	Optional Software	Optional Software	Optional Software
Circumferential Marking	No	No	No	No
Resolution	Up to 80dpi (31 d/cm)	Up to 200dpi (79 d/cm)	Up to 200dpi (79 d/cm)	Up to 200dpi (79 d/cm)
Power	115 or 220VAC	115 or 220VAC	115 or 220VAC	115 or 220VAC
Air Supply	None	60-100 PSIG (4.1- 6.9 Bars)	60-100 PSIG (4.1- 6.9 Bars)	60-100 PSIG (4.1- 6.9 Bars)
Electric Versions Available	Yes	No	No	No

FEATURES	TMM5100	TMM4250	TMM4215/TMM4200	SS3700
	Rapid, On-Line, Hand-Held, or Automated Marking, VIN Numbers	Fixed Applications in Wet or Dry Environments	High Speed Lightweight Hand-Held Marking or Fixtured Applications with Severe Spatial Constraints	High Speed Heavy Duty Large Character Deep Penetration Scribe Marking
Controller	TMC470	TMC470	TMC470	TMC470
Hand-Held Applications	Consult Factory	No	Yes	Consult Factory
Mark Depth (Based on Rb53 Material Hardness)	0.001-0.013 in (0.03-0.33mm)	0.001-0.013 in (0.03-0.33mm)	0.001-0.013 in (0.03-0.33mm)	Varies
Noise Level	Moderate	Moderate	Moderate	Very Low
Computer Host Interface	Yes	Yes	Yes	Yes
Computer Required	No	No	No	No
Marking Speed - MAX	Up to 6 Char/Sec	Up to 8 Char/Sec	4200 - Up to 8 Char/Sec 4215 - Up to 4 Char/Sec	Varies with character size
Maximum Marking Window Size	0.625 x 4.5 in. (16.0 x 114.0mm)	0.5 x 2.0 in. (12.5 x 50.8mm)	0.5 x 4.0 in. (13.0 x 100.0mm)	6.0 x 2.0 in. (152.4 x 50.8mm)
Maximum Character Height	0.63 in. (16.0mm)	0.5 in. (12.7mm)	0.5 in. (12.7mm)	6.0 in. (152.4mm)
Programmable "Z" Axis	No	No	No	Consult Factory
Maximum No. of Pins	6	4	4200 - 4 Pins 4215 - 2 Pins	1
Multiple Line Marking	Yes	Yes	Yes	Yes
Arc Text	No	No	No	Yes
Continuous Characters	Yes	Yes	Yes	Yes
Logos	Optional Software	Optional Software	Optional Software	Optional Software
2-D Codes	No	Yes	Yes	No
Serialization	Yes	Yes	Yes	Yes
Date Codes	Yes	Yes	Yes	Yes
Surface Irregularities	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)	Up to 0.30 in. (7.0mm)
Number of Std. Fonts	2	3	3	2
User Defined Custom Fonts	Optional Software	Optional Software	Optional Software	Optional Software
Circumferential Marking	No	No	No	No
Resolution	Up to 200 dpi (79d/cm)	Up to 200 dpi (79d/cm)	Up to 200 dpi (79d/cm)	Continuous
Power	115 or 20VAC	115 or 220VAC	115 or 220VAC	115 or 220VAC
Air Supply	60-100 PSIG (4.1-6.9 Bars)	60-100 PSIG (4.1-6.9 Bars)	60-100 PSIG (4.1-6.9 Bars)	60-100 PSIG (4.1-6.9 Bars)
Electric Versions Available	No	No	No	No

FEATURES	SC5000	SC3500	S2500/SC2000
	Nearly Silent Deep Penetration Scribe Marking	Nearly Silent Moderate Penetration Scribe Marking	Nearly Silent Moderate Penetration Scribe Marking
Controller	TMC600*/TMC470	TMC600*/TMC470	TMC600*/TMC470
Hand-Held Applications	Consult Factory	Consult Factory	Consult Factory
Mark Depth (Based on Rb53 Material Hardness)	Varies	Varies	Varies
Noise Level	Very Low	Very Low	Very Low
Computer Host Interface	Yes	Yes	Yes
Computer Required	No	No	No
Marking Speed - MAX	Varies with character size	Varies with character size	Varies with character size
Maximum Marking Window Size	7.5 x 2.5 in. (190.5 x 63.5mm)	6.0 x 4.0 in. (152.4 x 101.6mm)	SC2500 - 3.9 x 1.6 in. (100mm x 40mm) SC2000 - 3.0 x 1.6 in. (75mm x 40mm)
Maximum Character Height	7.5 in. (190.5mm)	6.0 in. (152.4mm)	Any characters at any angle within the marking window
Programmable "Z" Axis	Consult Factory	Consult Factory	Consult Factory
Maximum No. of Pins	1	1	1
Multiple Line Marking	Yes	Yes	Yes
Arc Text	Yes	Yes	Yes
Continuous Characters	Yes	Yes	Yes
Logos	Optional Software	Optional Software	Optional Software
2-D Codes	No	No	No
Serialization	Yes	Yes	Yes
Date Codes	Yes	Yes	Yes
Surface Irregularities	Up to 0.50 in. (12.5mm)	Up to 0.30 in. (7.0mm)	Up to 0.30 in. (7.0mm)
Number of Std. Fonts	2	2	2
User Defined Custom Fonts	Optional Software	Optional Software	Optional Software
Circumferential Marking	No	No	No
Resolution	Continuous	Continuous	Continuous
Power	115 or 220VAC	115 or 220VAC	115 or 220VAC
Air Supply	60-100 PSIG (4.1-6.9 Bars)	60-100 PSIG (4.1-6.9 Bars)	60-120 PSIG (4.1-8.3 Bars)
Electric Versions Available	No	No	No

\* Availability Pending



## Pin Marking System Selection Guide

FEATURES	BenchMark® 460	BenchMark® 200	BenchMark® 200
	Stand-Alone Hand-Held Applications	Stand-Alone Benchtop Applications	Stand-Alone Benchtop Applications
Controller	BM470	BM470	BM470
Hand-Held Applications	Yes	Yes	Yes
Mark Depth (Based on Rb53 Material Hardness)	0.001-0.010 in. (0.03-0.25mm)	0.001-0.010 in. (0.03-0.25mm)	0.001-0.010 in. (0.03-0.25mm)
Noise Level	Moderate	Moderate	Moderate
Computer Host Interface	Optional	Optional	Optional
Computer Required	No	No	No
Marking Speed - MAX	Up to 5 Char/Sec	Up to 5 Char/Sec	Up to 5 Char/Sec
Maximum Marking Window Size	1.0 x 4.0 in. (25.4 x 101.6mm)	4.0 x 6.0 in. (101.6 x 152.4mm)	4.0 x 6.0 in. (101.6 x 152.4mm)
Maximum Character Height	1.0 in. (25.4mm)	4.0 in. (101.6mm)	4.0 in. (101.6mm)
Programmable "Z" Axis	No	No	No
Maximum No. of Pins	1	1	1
Multiple Line Marking	Yes	Yes	Yes
Arc Text	Yes	Yes	Yes
Continuous Characters	Yes	Yes	Yes
Logos	Optional Software	Optional Software	Optional Software
2-D Codes	Yes	Yes	Yes
Serialization	Yes	Yes	Yes
Date Codes	Yes	Yes	Yes
Surface Irregularities	Up to 0.1 in. (2.5mm)	Up to 0.1 in. (2.5mm)	Up to 0.1 in. (2.5mm)
Number of Std. Fonts	3	3	3
User Defined Custom Fonts	Optional Software	Optional Software	Optional Software
Circumferential Marking	No	Optional	Optional
Resolution	Up to 80 dpi (31 d/cm)	Up to 80 dpi (31 d/cm)	Up to 80 dpi (31 d/cm)
Power	115 or 220VAC	115 or 220VAC	115 or 220VAC
Air Supply	None	None	None
Electric Versions Available	Yes	Yes	Yes