

FEATURES	TMP6100	TMM5100	TMP3200	TMM7000	TMM7200	TMM4200/4215	TMP4210
	Versatile Tabletop Marker for Batch Processes/Job Lots or On-Line Processes	Rapid, On-Line, Hand-Held, or Automated Marking, VIN Numbers	Cost-Effective On-Line High Speed Marking	Heavy-Duty, Large Character, Deep Penetration Marking	Heavy-Duty, Large Character, Deep Penetration Marking	High Speed Lightweight, Hand-Held Marking or Fixtured Applications with Severe Spatial Constraints	Hand-Held Marking or Fixtured Applications with Severe Spatial Constraints
Controller	TMC470	TMC420	TMC470	TMC420	Various	TMC470	TMC420
Hand-Held Applications		•	Consult Factory	Consult Factory	•	•	Yes
Mark Depth (Based on Rb53 Material Hardness)	0.001-0.013 in. (.03-.33mm)	0.001-0.013 in. (.03-.33mm)	0.001-0.013 in. (.03-.33mm)	0.001-0.022 in. (.03-.56mm)	0.001-0.010 in. (.03-.25mm)	0.001-0.010 in. (.03-.25mm)	0.001-0.013 in. (.03-.33mm)
Noise Level	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Computer Required	No	No	No	No	No	No	No
PS-OCR Readable Fonts	•	•	•	•	•	•	•
Marking Speed - MAX	Up to 3 Char./Sec.	Up to 6 Char./Sec.	Up to 6 Char./Sec.	Up to 2 Char./Sec.	Up to 21 Char./ 1.5 sec.	4200-Up to 8 Char./Sec. 4215-Up to 4 Char/Sec	Up to 8 Char./Sec.
Maximum Marking Window Size	6 x 12 in. (152 x 304mm)	0.625 x 4.5 in. (16 x 114mm)	4 x 6 in. (100 x 150mm)	4 x 6 in. (100 x 150mm)	64 sq. in. (413 sq. mm)	0.50 x 4.00 in. (13x 100mm)	0.50 x 2.00 in. (13x 50mm)
Maximum Character Height	6.0 in. (152mm)	0.63 in. (16mm)	4 in. (100mm)	4 in. (100mm)	1.75 in. (44.5mm)	0.50 in. (13mm)	0.50 in. 13mm
Programmable "Z" Axis	Optional		Optional				
Maximum No. of Pins	1	6	1	1	21	4200- 4 / 4215- 2	1
Multiple Line Marking	•	•	•	•	•	•	•
Arc Text	Yes	Yes	Yes	Yes	Custom Software	No	No
Continuous Characters	•	•	•	•	•		•
Logos	Yes	Optional Software	Optional S.W./Yes	Custom Software	Custom Software	Optional Software	Optional Software
2-D Codes	Yes		Yes	Yes	Yes	Yes	Yes
Serialization	•	•	•	•	•	•	•
Date Codes	•	•	•	•	•	•	•
Surface Irregularities	Up to 0.25" (6mm)	Up to 0.25" (6mm)	Up to 0.25" (6mm)	Up to 0.25" (6mm)	Up to 0.25" (6mm)	Up to 0.25" (6mm)	Up to 0.25" (6mm)
Number of Std. Fonts	3	3	3	3	3	3	3
User Defined Custom Fonts	Optional Software	Optional Software	Optional Software	Optional Software	Optional Software	Optional Software	Optional Software
Host Interface	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Resolution	Up to 200 dpi (79 d/cm)	Up to 200 dpi (79 d/cm)	Up to 200 dpi (79 d/cm)	Up to 200 dpi (79 d/cm)	Up to 200 dpi (79 d/cm)	Up to 200 dpi (79 d/cm)	Up to 200 dpi (79 d/cm)
Power	115 or 220 VAC	115 or 220 VAC	115 or 220 VAC	115 or 220 VAC	115 or 220 VAC	115 or 220 VAC	115 or 220 VAC
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)	60-100 PSIG (4.1-6.9 Bars)	60-100 PSIG (4.1-6.9 Bars)	60-100 PSIG (4.1-6.9 Bars)
Circumferential Marking	Optional		Optional				



Pin Marking System Selection Guide

TMM4250	TMP1700	TMM5400	SC3500	SC5000	BenchMark®200	BenchMark®320	BenchMark®460
Fixture Applications in Wet or Dirty Environments	Extremely Cost-Effective On-Line, High Speed Marking	8-Pin Marking Head for Extremely High Speed On-Line Applications	Nearly Silent, Moderate Penetration Scribe Marking	Nearly Silent, Deep Penetration Scribe Marking	Stand-Alone Benchtop Applications	Stand-Alone Benchtop Applications	Stand-Alone Hand-Held Applications
TMC470	TMC470	TMC420	TMC420	TMC420	Benchmark®	Benchmark®	Benchmark®
	Consult Factory	Consult Factory	Consult Factory	Consult Factory			Yes
0.001-0.013 (.03-.33mm)	0.001-0.013in. (.03-.33mm)	0.001-0.010 in. (.03-.25mm)	Varies	Varies	0.001-0.010 in (.03-.25mm)	0.001-0.010 in (.03-.25mm)	0.001-0.010 in. (.03-.25mm)
Moderate	Moderate	Moderate	Very Low	Very Low	Moderate	Moderate	Moderate
No	No	No	No	No	No	No	No
•	•	•	•	•	•	•	•
Up to 8 Char./Sec	Up to 6 Char./Sec	Up to 32 Char. in 2 Seconds	Up to 2 Char./Sec.	Up to 2 Char./Sec.	Up to 5 Char./Sec.	Up to 5 Char./Sec.	Up to 5 Char./Sec.
0.50 x 2.00 in. (13 x 50mm)	1.50 x 2.50 in. (38.1 x 63.5mm)	0.5 x 3.78 in. (12.7 x 96mm)	4 x 6 in. (100 x 150mm)	2.5 x 7.5 in. (63.5 x 190.5mm)	4 x 4 in. (100 x 100mm)	4 x 6 in. (100 x 150mm)	1 x 4 in. (25 x 100mm)
0.50 in. (13mm)	1.50 in. (38.1mm)	0.5 in. (12.7mm)	4 in. (100mm)	2.5 in. (63.5mm)	4 in. (100mm)	4 in. (100mm)	1 in. (25mm)
	Optional						
4	1	8	1	1	1	1	1
•	•	•	•	•	•	•	•
No	Yes	No	Yes	Yes	Yes	Yes	Yes
•	•	•	•	•	•	•	•
Optional Software	Optional S.W./Yes	Optional Software	Optional Software	Optional Software	Optional Software	Optional Software	Optional Software
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
Yes	Yes	Yes			Yes	Yes	Yes
Up to 0.25" (6mm)	Up to 0.25" (6mm)	Up to 0.25" (6mm)	Up to 0.3" (7mm)	Up to 0.5" (12mm)	Up to 0.10 (2.5mm)	Up to 0.10 (2.5mm)	Up to 0.10 (2.5mm)
3	3	3	2	2	3	3	3
Optional Software	Optional Software	Optional Software	Optional Software	Optional Software	Optional Software	Optional Software	Optional Software
Yes	Yes	Yes	Yes	Yes	No	No	No
Up to 200 dpi (79 d/cm)	Up to 200 dpi (79 d/cm)	Up to 200 dpi (79 d/cm)	Continuous	Continuous	Up to 200 dpi (79 d/cm)	Up to 200 dpi (79 d/cm)	Up to 200 dpi (79 d/cm)
115 or 220 VAC	115 or 220 VAC	115 or 220 VAC	115 or 220 VAC	115 or 220 VAC	115 or 220 VAC	115 or 220 VAC	115 or 220 VAC
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)	60-100 PSIG (4.1-6.9 Bars)	None	None	None
		Optional			Optional	Optional	