

## GMT CMM SPECIFICATIONS

Model - GRANO	4-5-4	4-5-4	4-10-4	6-7-5	6-7-5	7-10-6	7-15-6	10-10-8	10-15-8	10-20-8	12-15-10	12-20-10	12-25-10	12-30-10
Machine Type	Moving Bridge													
Operating Mode	Manual	DCC		Manual	DCC	DCC		DCC			DCC			
Guide Method	Air bearings on all axis													
Measuring Range X axis in mm	450			600		750		1000			1250			
Measuring Range Y axis in mm	500	500	1000	750		1000	1500	1000	1500	2000	1500	2000	2500	3000
Measuring Range Z axis in mm*	400			550		600		800			1000			
Clearance Under Bridge in mm	560			670		800		1030			1230			
Overall Dimensions														
Length - mm	1400		1900	1400		2050	2550	2250	2750	3250	2750	3250	3750	4250
Width - mm	1300		1300	1300		1520	1520	1880	1880	1880	2130	2130	2130	2130
Height - mm	2600		2600	2800		3050	3050	3550	3550	3550	3750	3750	3800	3800
Length Measuring System	Reflective linear encoder													
Uncertainty of Measurement as per ISO-10360-2														
MPE <sub>E</sub> - (L=Measured Length in mm) & E in μm	5+L/200	3+L/200		5+L/200	3+L/200	3+L/200		3.5+L/200			3.5+L/200			
MPE <sub>P</sub> -Probing Error <sub>P</sub> (μm)	4.0	3.0		4.0	3.0	3.0		3.5			3.5			
Resolution of Tape Scale in μm	0.5	0.5/0.1		0.5	0.5/0.1	0.5/0.1		0.5/0.1			0.5/0.1			
Velocity - mm/s	-	350		-	350	350		300			300			
Accelration - mm/s <sup>2</sup>	-	700		-	700	700		600			600			
Measuring Table Material	Granite													
Working Area (lxb) mm	1040 X 550		1500 X 550	1315 X 700		1700 X 810	2000 X 810	1500 X 1250	2000 X 1250	2500 X 1250	2000 X 1500	2500 X 1500	3000 X 1500	3500 X 1500
Threaded Stainless Steel Insert	M8													
Max. Permissible Workpiece Weight in Kg	250		400	350		500	750	1100	1200	1600	1300	2000	2250	2500
Machine Weight in Kg	750		1500	810		1500	2750	2650	3350	4050	3900	4650	7000	8000
Air Supply in lpm	80. Supply Pressure 6-10 bar, Pre filtered Air quality as per ISO 8573 part1, Class 4					100. Supply Pressure 6-10 bar, Pre filtered Air quality as per ISO 8573 part1, Class 4								
Power Input ( kVA)	0.5	2.0		0.5	2.0	2.0								
Operational Voltage	230VAC ± 10%, 50/60 Hz													
Operating Temperature in °C	20 ± 2													
Humidity	40 - 60%													
Temperature fluctuations °C/h	1													
Temperature fluctuations °C/day	2													
* Probing system clearance - 90 mm from z ram bottom face to granite base top surface.														