



FIND OUT MORE



ARTICULATED ARM COORDINATE MEASURING MACHINE

PMT ARM CONTACT MEASUREMENT ACCURACY SPECIFICATIONS

» All values represent MPE (Maximum Permissible Error)

» Contact Measurement (PMT Arm): In accordance with ISO 10360-12; defined as EUNI (Unilateral Error) - Distance error between two points comparing measured versus nominal. Values are +/-.

GAMMA^P

From: **£23,000** +VAT

Range	¹ SPAT		² EUNI		³ P _{SIZE}		⁴ P _{FORM}		⁵ L _{DIA}	
	6-Axis	7-Axis	6-Axis	7-Axis	6-Axis	7-Axis	6-Axis	7-Axis	6-Axis	7-Axis
1.5m	0.012mm	0.015mm	0.022mm	0.023mm	0.007mm	0.008mm	0.012mm	0.018mm	0.024mm	0.038mm
2.0m	0.016mm	0.018mm	0.024mm	0.025mm	0.008mm	0.010mm	0.015mm	0.019mm	0.030mm	0.042mm
2.5m	0.018mm	0.020mm	0.026mm	0.028mm	0.009mm	0.011mm	0.018mm	0.022mm	0.032mm	0.046mm
3.0m	0.026mm	0.032mm	0.038mm	0.047mm	0.012mm	0.016mm	0.025mm	0.032mm	0.045mm	0.071mm
3.5m	0.036mm	0.043mm	0.052mm	0.057mm	0.016mm	0.020mm	0.034mm	0.039mm	0.060mm	0.091mm
4.0m	0.045mm	0.054mm	0.063mm	0.073mm	0.020mm	0.026mm	0.038mm	0.044mm	0.075mm	0.112mm
4.5m	0.055mm	0.065mm	0.080mm	0.095mm	0.028mm	0.036mm	0.050mm	0.065mm	0.101mm	0.132mm

GAMMA^M

From: **£20,000** +VAT

Range	¹ SPAT		² EUNI		³ P _{SIZE}		⁴ P _{FORM}		⁵ L _{DIA}	
	6-Axis	7-Axis	6-Axis	7-Axis	6-Axis	7-Axis	6-Axis	7-Axis	6-Axis	7-Axis
1.5m	0.018mm	0.020mm	0.025mm	0.024mm	0.009mm	0.011mm	0.016mm	0.020mm	0.028mm	0.043mm
2.0m	0.020mm	0.022mm	0.026mm	0.030mm	0.010mm	0.012mm	0.018mm	0.022mm	0.032mm	0.047mm
2.5m	0.023mm	0.026mm	0.029mm	0.032mm	0.012mm	0.013mm	0.022mm	0.025mm	0.037mm	0.051mm
3.0m	0.034mm	0.042mm	0.041mm	0.053mm	0.015mm	0.020mm	0.031mm	0.035mm	0.051mm	0.073mm
3.5m	0.043mm	0.055mm	0.055mm	0.066mm	0.019mm	0.024mm	0.038mm	0.043mm	0.066mm	0.094mm
4.0m	0.052mm	0.065mm	0.066mm	0.082mm	0.023mm	0.029mm	0.043mm	0.048mm	0.083mm	0.120mm
4.5m	0.061mm	0.073mm	0.089mm	0.099mm	0.038mm	0.043mm	0.078mm	0.082mm	0.108mm	0.137mm

GAMMA^E

From: **£16,500** +VAT

Range	¹ SPAT		² EUNI		³ P _{SIZE}		⁴ P _{FORM}		⁵ L _{DIA}	
	6-Axis	7-Axis	6-Axis	7-Axis	6-Axis	7-Axis	6-Axis	7-Axis	6-Axis	7-Axis
1.5m	0.028mm	0.030mm	0.036mm	0.040mm	0.015mm	0.020mm	0.029mm	0.035mm	0.038mm	0.048mm
2.0m	0.030mm	0.035mm	0.040mm	0.045mm	0.018mm	0.025mm	0.035mm	0.040mm	0.041mm	0.052mm
2.5m	0.035mm	0.040mm	0.045mm	0.050mm	0.020mm	0.030mm	0.038mm	0.045mm	0.050mm	0.058mm
3.0m	0.055mm	0.060mm	0.065mm	0.070mm	0.028mm	0.035mm	0.048mm	0.050mm	0.080mm	0.091mm
3.5m	0.075mm	0.080mm	0.080mm	0.085mm	0.035mm	0.040mm	0.058mm	0.065mm	0.098mm	0.115mm
4.0m	0.090mm	0.095mm	0.100mm	0.105mm	0.044mm	0.050mm	0.068mm	0.075mm	0.116mm	0.140mm
4.5m	0.112mm	0.115mm	0.120mm	0.125mm	0.048mm	0.055mm	0.086mm	0.095mm	0.128mm	0.158mm

¹ SPAT Single Point Articulation Test

² EUNI Distance Error between two points comparing measured versus nominal values

³ P_{SIZE} Sphere Probing Size Error comparing measured versus nominal values

⁴ P_{FORM} Sphere Probing Form Error

⁵ L_{DIA} Sphere Location Diameter Error (Diameter of the spherical zone containing the centres of a sphere measured from multiple orientations)



GTS

Contact our team today on 0161 637 8744 for more information or to request a no-obligation quotation.

Manchester Metrology Ltd

Unit 3, The Wellington Centre, Whitelands Road, Ashton-under-Lyne OL6 6UY
0161 637 8744 | manchester-metrology.co.uk

