

Product information

Universal, high-precision form measuring device MarForm MMQ 500

Product features

- Suitable for small workpieces from a few millimeters in size to large and/or heavy workpieces weighing up to 80 kg.
- Highest axis accuracy, even with smaller tolerances.
- Best repeatability, even for difficult measurement tasks.
- Measurement of form, position, roughness, contour and twist in one measurement sequence.
- Intuitive to use and proven measurement and evaluation software MarWin.



Item no.: **5440901**

Technical data

Pos./Meas. path X-axis	280 mm
Pos./Meas. path Z-axis	470 mm
Positioning speed C-axis	0.2 - 20 1/min
Positioning speed X axis	0.5 - 30 mm/s
Positioning speed Z-axis	0.5 - 100 mm/s
Workpiece diameter max.	530 mm
Linear resolution X-axis (interpolated)	5 nm
Linear resolution Z-axis (interpolated)	5 nm
Axial running deviation C-axis	0,02 + 0,0001
Straightness deviation X-axis	0.3 µm/100 mm
Straightness deviation Z-axis	0.15 µm/100 mm
Reference temperature	20 °C
Centering and tilting table	motorized
Table diameter	300 mm
Table load max.	80 kg
Probe system	Tactile 1D
Special equipment	CNC table
Storage and transport temperature	-10 °C to 50 °C
Sound pressure level	< 70 dB(A)
Permissible humidity	max. 85 % relative humidity; non-condensing
Mains voltage	90 - 240 V
Mains frequency	50 / 60 Hz
Scope of delivery	T7W probe system (incl. probe arm 3 x 60 mm)