

Product information

Flexible, semi- and fully automatic form measuring devices MarForm MMQ 400-2

Product features

The **high-precision MarForm MMQ 400-2 series** is the ideal solution for the following applications:

- Measurement of high-precision workpieces
- Measurement of extra-long workpieces
- Measurement of large and/or heavy workpieces
- Use in production or in the precision measuring room

To meet your requirements exactly, there are **different device variants** to choose from:

- Fully or semi-automatic centering and tilting table
- Vertical Z-measuring axis with a length of 350, 500 or 900 mm
- Horizontal X-measuring axis with a measuring length of 180 or 280 mm
- Fully automatic probe system T7W with swivelling probe arm or manual probe system T20W
- 900 mm variant optionally with motorized tailstock for workpieces from 200 mm in length



Item no.: **5440787**

Technical data

Pos./Meas. path X-axis	280 mm
Pos./Meas. path Z-axis	900 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.	270 mm
Linear resolution X-axis (interpolated)	5 nm
Linear resolution Z-axis (interpolated)	5 nm
Straightness deviation X-axis	0.5 µm/100 mm
Straightness deviation Z-axis	0.15 µm/100 mm
Reference temperature	20 °C
Centering and tilting table	motorized
Table diameter	285 mm
Table load max.	40 kg
Probe system	Tactile 1D
Special equipment	CNC table and otorized tailstock
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
Weight basic unit	300 kg