

# 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.: **5440780**

### Technical data

<b>Pos.-/Meas. path X-axis</b>	180 mm
<b>Pos.-/Meas. path Z-axis</b>	350 mm
<b>Positioning speed C-axis</b>	0.2 - 20 1/min
<b>Positioning speed X axis</b>	0.5 - 30 mm/s
<b>Positioning speed Z-axis</b>	0.5 - 100 mm/s
<b>Workpiece diameter max.</b>	270 mm
<b>Linear resolution X-axis (interpolated)</b>	5 nm
<b>Linear resolution Z-axis (interpolated)</b>	5 nm
<b>Straightness deviation X-axis</b>	0.5 µm/100 mm
<b>Straightness deviation Z-axis</b>	0.15 µm/100 mm
<b>Reference temperature</b>	20 °C
<b>Centering and tilting table</b>	motorized
<b>Table diameter</b>	285 mm
<b>Table load max.</b>	60 kg
<b>Probe system</b>	Tactile 1D
<b>Special equipment</b>	CNC table
<b>Storage and transport temperature</b>	-10 °C to 50 °C
<b>Sound pressure level</b>	< 70 dB(A)
<b>Permissible humidity</b>	max. 85 % relative humidity; non-condensing
<b>Mains voltage</b>	90 - 240 V
<b>Mains frequency</b>	50 / 60 Hz
<b>Weight basic unit</b>	245 kg