Ürün bilgileri

Kompakt form ölçüm makinesi MarForm MMQ 200

Ürün özellikleri
Üretim atölyeleri ve inceleme odaları için kompakt form ölçüm makinesi.



Malzeme no.: **5440750**

Teknik veriler

Pos.-/Meas. path X-axis	150 mm
Pos.-/Meas. path Z-axis	250 mm
Positioning speed C-axis	0.2 - 20 1/min
Konumlandırma hızı (mm/sn), X ekseni	0.5 - 30 mm/s
Positioning speed Z-axis	0.5 - 100 mm/s
Workpiece diameter max. (mind moment of inertia max.)	210 mm
Linear resolution X-axis (interpolated)	10 nm
Linear resolution Z-axis (interpolated)	~0.0625 µm
Straightness deviation Z-axis	0.15 µm/100 mm
Çalışma sıcaklığı	20 °C
Merkezleme ve doğrultma tablası	manuel
Tabla çapı (mm)	160 mm
Table load max.	20 kg
Prob sistem tipi	Temaslı 1D
Depolama ve taşıma sıcaklığı	-10 °C - 40 °C
Sound pressure level	< 70 dB(A)
Nem (metin)	max. 70 % relative humidity; non-condensing
Mains voltage	90 - 240 V
Mains frequency	50 / 60 Hz
Standart aksesuarları (metin)	Probe system T20W (incl. probe arm 3 x 60 mm)

Ürün bilgileri

Kompakt form ölçüm makinesi MarForm MMQ 200

Ürün özellikleri
Üretim atölyeleri ve inceleme odaları için kompakt form ölçüm makinesi.

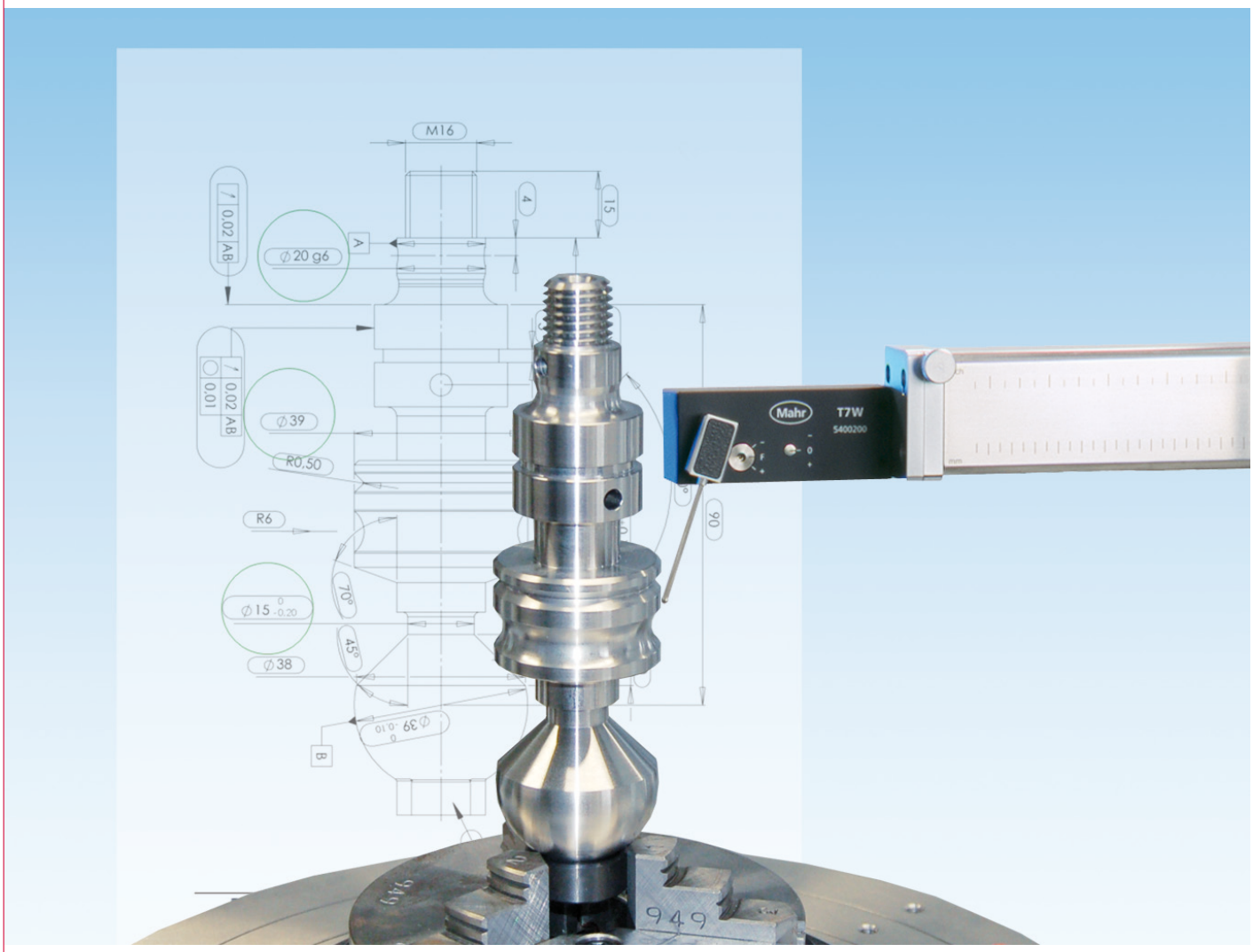


Malzeme no.: **5440751**

Teknik veriler

Pos.-/Meas. path X-axis	150 mm
Pos.-/Meas. path Z-axis	250 mm
Positioning speed C-axis	0.2 - 20 1/min
Konumlandırma hızı (mm/sn), X ekseni	0.5 - 30 mm/s
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Tabla çapı (mm)	160 mm
Table load max.	20 kg
Prob sistem tipi	Temaslı 1D
Depolama ve taşıma sıcaklığı	-10 °C - 40 °C
Sound pressure level	< 70 dB(A)
Nem (metin)	max. 70 % relative humidity; non-condensing
Mains voltage	90 - 240 V
Mains frequency	50 / 60 Hz
Standart aksesuarları (metin)	T7W probe system (incl. probe arm 3 x 60 mm)

MarForm



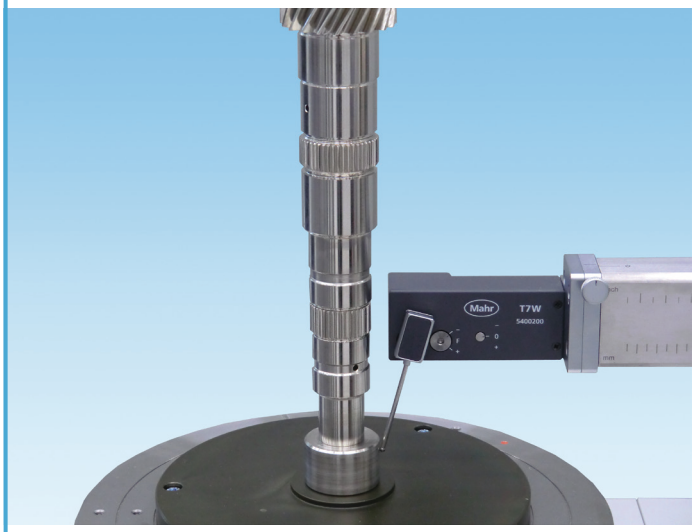
Option Diameter Measurements with MarForm MMQ 200 and MarForm MMQ 400-2

- 0 +

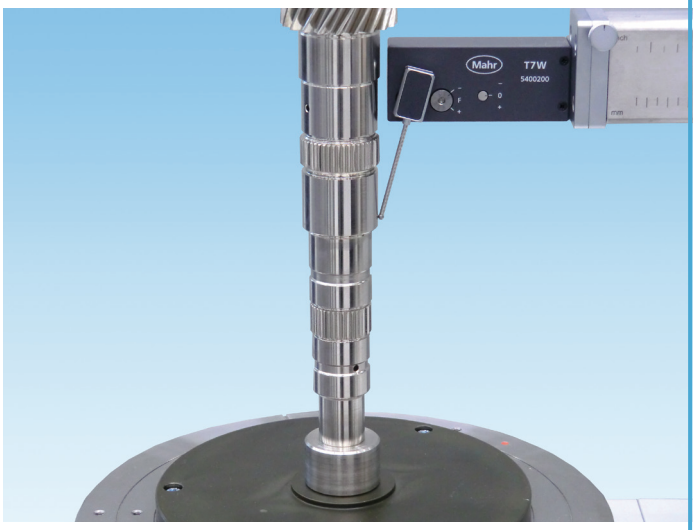
Mahr

EXACTLY

Measurement and Evaluation of Diameter



Calibration measurement



Diameter measurement

Diameter measurements and evaluation with MarForm MMQ 400-2 and MarForm MMQ 200 and the option QE DIAMETER

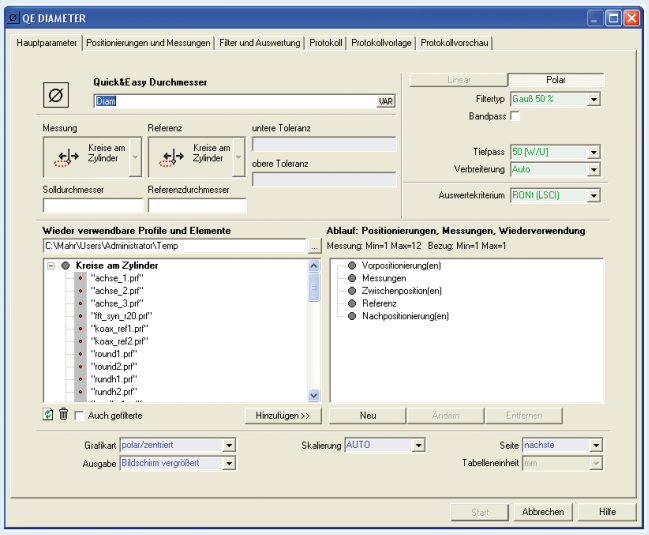
With MarWin V4.50, a Quick&Easy assistant for easy opera-tion of diameter measurements is offered in AdvancedForm.

The essential features are:

- Easy operation due to a set-up comparable to QE ROUNDNESS
- Determination of diameter from circle measurements
- Determination of reference from circle measurements
- Outside and inside measurements
- Standard evaluation of the reference circle via LSC
- Evaluation procedures for the diameters to be determined: LSC, MZC, MIC or MCC
- Competent measurements with diameter tolerances of 20 µm
- Output of reference diameter and correction value
- Activation via license (Option: Order no.: 5480190)

With the ption diameter measurement and diameter evaluation for the MarForm MMQ 400-2 and MarForm MMQ 200, the per-formance scope of the form measuring units are expanded with the possibility to evaluate and document diameter deviations in addition to roundess deviation. For this purpose, the measuring probe and the X-axis of the MarForm machine are prepared for this measuring task in a measurement of a preceding calibration measurement.

The calibration measurement and diameter evaluation are based on circular measurement with a high measuring point density of, for example, 3600 points per 360 degrees. The calculation of the reference circle LSC according to the Gaussian method assures a high mathematical reproducibility.



An assistant in the Mahr software called Quick&Easy guides the operator through the reference measurement and diameter deter-mination. After the evaluation, it immediately creates the appealing and informative result record in which the roundness deviation is visually provided in addition to the diameter results.

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