

# 製品情報

## 高精度全自動基準形状測定装置 MarForm MarForm MFU 200

### 製品の特徴

- Optimized for use in the measuring room and the achievement of reference quality
- High reproducibility of the measurement results through dynamic real-time compensation, which detects and corrects even the smallest deviations in the measurement sequence
- Productivity thanks to high temperature stability over a long period of time – no daily calibration necessary
- Extreme precision due to high-precision rotary axis with Mahr precision guides: roundness deviation of < 20 nm
- Intuitive to use and proven MarWin measurement and evaluation software

品目番号 5440580

### 技術データ

Pos./Meas. path X-axis	200 mm
Pos./Meas. path Z-axis	320 mm
Positioning speed C-axis	0.1 - 200 1/min
位置決め速度 (mm/s)、X軸	0.1 - 100 mm/s
Positioning speed Z-axis	0.1 - 100 mm/s
Workpiece diameter max.	280 mm
角度分解能 (スケール)	0.0001°
軸方向振れ ( $\mu\text{m}+\mu\text{m}/\text{mm}$ 測定半径)*	0.02 + 0.0002 $\mu\text{m}/\text{mm}$ *measuring radius (acc. to DIN EN ISO 1101)
Straightness deviation X-axis	0.075 $\mu\text{m}/\text{measuring path}$ (according to DIN EN ISO 1101)
Straightness deviation Z-axis	0.1 $\mu\text{m}/\text{measuring path}$ (according to DIN EN ISO 1101)
Positioning uncertainty X-axis	2 $\mu\text{m}$ (according to VDI/DGQ 3441) / 0.5 $\mu\text{m}$ (with probe backlash)
Positioning uncertainty Z-axis	2 $\mu\text{m}$ (according to VDI/DGQ 3441) / 1 $\mu\text{m}$ (with probe backlash)
作業温度	20 °C
傾斜・位置決めテーブル	モーター駆動
テーブル径 (mm)	180 mm
Table load max.	20 kg
プローブシステムタイプ	Tactile 1D
Special equipment	CNC-Tisch und dynamische Echtzeitkompensation
保管および輸送温度	-10 °C 終点 50 °C
Sound pressure level	< 70 dB(A)
湿度 (テキスト)	max. 70 % relative humidity; non-condensing
Mains voltage	230 V
Mains frequency	50 Hz
Weight basic unit	850 kg
付属品	T7W probe system (incl. probe arm # 3 x 60 mm)

