

# Product information

## Universal form measuring machine MarForm MMQ 400

### Product features

MarForm MMQ 400 is suitable for universal use for extensive workpiece evaluation according to DIN ISO 1101.

### Application

#### Specific measuring tasks

Form & position, roughness, contour, waviness, and line form in the following industries

#### Mechanical engineering

Bearings, ball screws, shafts, sockets, rotational bushings

#### Measurement close to production

PLC and end-of-line testing

#### Automotive industry

Steering, brake system, gearbox, motor

#### Medicine

Hip and knee endoprotheses, medical screws, teeth implants



Item no.: 5440787

### Technical data

Roundness deviation ( $\mu\text{m}+\mu\text{m}/\text{mm}$ measuring height) *	0,01 + 0,00025
Measuring path, motorized Z (mm)	900
Straightness deviation / 100 mm measuring path ( $\mu\text{m}$ )**, Z axis	0.15
Straightness deviation / total measuring path ( $\mu\text{m}$ )**, Z axis	0.9
Parallelism deviation Z-/C axis in tracing direction, measuring path ( $\mu\text{m}$ )	2
Measuring speed (mm/s), Z axis	0,1-30
Positioning speed (mm/s), Z axis	0,5-100
Measuring path, motorized X (mm)	280
Roundness deviation ( $\mu\text{m}+\mu\text{m}/\text{mm}$ measuring height) **	0,02 + 0,0005
Straightness deviation / av. 100 mm measuring path ( $\mu\text{m}$ )**, X axis	0.5
Straightness deviation / total measuring path ( $\mu\text{m}$ )**, X axis	1.5
Perpendicularity X/C axis, measuring path ( $\mu\text{m}$ )	2
Positioning speed (mm/s), X axis	0,5-30
Measuring speed (mm/s), X axis	0,5-10
Axial runout deviation ( $\mu\text{m}+\mu\text{m}/\text{mm}$ measuring radius) *	0,02 + 0,0001
Axial runout deviation ( $\mu\text{m}+\mu\text{m}/\text{mm}$ measuring radius) **	0,04 + 0,0002
Centering and tilting table	automatic
Table diameter (mm)	285
Table load capacity, centered (N)	400
Speed (rpm) 50 Hz / 60 Hz	0.2-15