

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.: 5440782

Technical data

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| 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 (μm)**, Z axis | 0.15 |
| Straightness deviation / total measuring path (μm)**, Z axis | 0.9 |
| Parallelism deviation Z-/C axis in tracing direction, measuring path (μm) | 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 (μm)**, X axis | 0.5 |
| Straightness deviation / total measuring path (μm)**, X axis | 1.5 |
| Perpendicularity X/C axis, measuring path (μm) | 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 |