Product information

High-precision universal form measuring machine  MarForm  MMQ 500

Item no.  5440901

Product features
Due to the variety of precise measurement options, the new MarForm MMQ 500 is the best option for tabletop form testers. Thanks to its optimized engineering design it can be implemented universally and guarantees maximum utilization.

- Can be used universally for small workpieces of just a few millimeters right through to heavy workpieces of up to 80 kg
- Intuitive software
- Highest axis accuracy even as the tolerances become smaller
- Best repeatability even for difficult measuring task
- Measurement of form, position, roughness, contour, and lead in one measuring sequence

Technical data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roundness deviation (μm+μm/ mm measuring height) *</td>
<td>0,01 + 0,00025</td>
</tr>
<tr>
<td>Straightness deviation / total measuring path (μm)**, Z axis</td>
<td>0,3</td>
</tr>
<tr>
<td>Parallelism deviation Z/C axis in tracing direction, measuring path (μm)</td>
<td>0,6</td>
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<tr>
<td>Measuring speed (mm/s), Z axis</td>
<td>100</td>
</tr>
<tr>
<td>Roundness deviation (μm+μm/ mm measuring height) **</td>
<td>0,02 + 0,0005</td>
</tr>
<tr>
<td>Axial runout deviation (μm+μm/ mm measuring radius) *</td>
<td>0,02 + 0,001</td>
</tr>
<tr>
<td>Axial runout deviation (μm+μm/ mm measuring radius) **</td>
<td>0,04 + 0,0002</td>
</tr>
</tbody>
</table>

Centering and tilting table  automatic

Table diameter (mm)  300
Table load capacity, centered (N)  800

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
Steering, brake system, gearbox, motor

Medicine
Hip and knee endoprostheses, medical screws, teeth implants