

# Product information

## Manual measuring stations MarSurf Engineered Engineered Solutions MarSurf Engineered Series 0

### Product features

#### MarSurf Engineered series 004 – manual crankshaft measuring station

This measuring station is designed for contour measurements – and optionally roughness measurements – of large crankshafts or general rotationally symmetrical components up to a length of approx. 1600 mm. Larger lengths are available on request.

The workpiece can be placed on V-blocks on the measuring station using a crane as the positioning tool. The workpiece is loaded and positioned manually.

The required measuring point is then set up by manually moving the measuring column using the relevant drive unit parallel to the workpiece axis.

The optionally available display can be used for exact positioning. The Zenith search is completed using the y-axis and the relevant fine adjustment.

The workpiece in the V-supports can additionally be manually rotated around the workpiece axis to allow access to as many measuring positions as possible, especially to access the pin bearings on crankshafts.



Item no.: 9900004\_MES

### Technical data

<b>Workpiece weight max.</b>	180
<b>Measuring principle</b>	tactile
<b>Dimensions in mm</b>	2500 x 1000 x 2000 mm <sup>3</sup>
<b>Positioning volume x</b>	1740
<b>Positioning volume y</b>	110
<b>Positioning volume z</b>	750
<b>Addition to positioning volume x y z</b>	Workpiece length up to 1600 mm
<b>Weight (gross)</b>	0 KG

### Application

#### Machine building

Bearings, threads, threaded rods, ball screws, shafts, racks

#### Measurement close to production

Contour measurement in a semi-automatic process

#### Automotive industry

Steering, brake system, gearbox, crankshaft, camshaft, cylinder head

#### Medicine

Contour measurement for hip and knee endoprostheses, medical screws, dental implants