

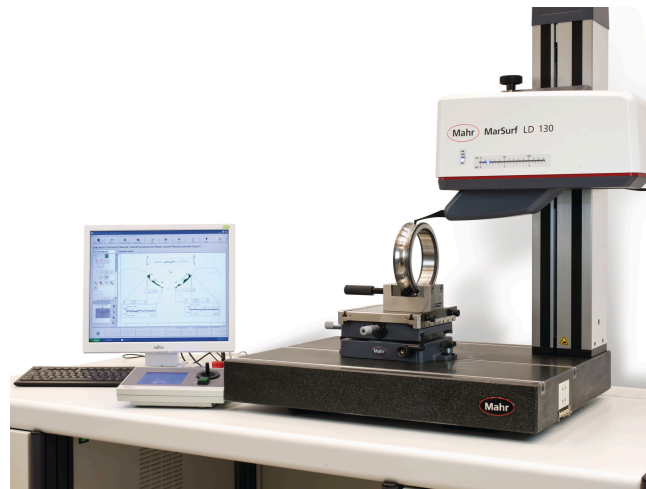
# Product information

## Combined contour and surface measuring station MarSurf LD 130

### Product features

#### MarSurf LD 130 / LD 260. A step into a new dimension

Combined contour and roughness measurements in just one step comes courtesy of proven cutting-edge technology from Mahr metrology. The MarSurf LD 130 and MarSurf LD 260 measuring stations have been systematically developed to draw on the experience from the first generation of equipment.



### Application

#### Machine building

- Roller bearings, threads, threaded rods, ball screws, shafts, racks, ball heads, valves

#### Measurement close to the production area

- Contour and surface roughness measurement in semi-automatic and fully automatic operation

#### Automotive industry

- Engine parts including cylinder block, cylinder head, crankshaft, camshaft, valves, steering, gearbox, injection systems, turbocharger

#### Medicine

- Contour and surface roughness measurement for hip and knee endoprostheses
- Contour measurement for medical screws
- Contour and surface roughness measurement for dental implants

#### Optics

- Contour and surface roughness measurement of aspherical lenses

Item no.: 6720821

### Technical data

<b>Resolution</b>	0.8 nm
<b>Start of traversing length (in X)</b>	0.1 mm
<b>End of traversing length (in X)</b>	130.0 mm
<b>Traversing length (Lt)</b>	0.1 - 130 mm
<b>Guide deviation</b>	0.10 µm / 60 mm 0.20 µm / 130 mm
<b>Measuring force (N)</b>	0.5 mN to 30 mN, software adjustable
<b>Measuring speed</b>	0.02 mm/s to 10 mm/s
<b>Positioning speed X-axis min.</b>	0.02 mm/s
<b>positioning speed X-axis max.</b>	200 mm/s
<b>Positioning speed X axis</b>	0.02 - 200 mm/s
<b>Probe</b>	Combined roughness and contour probe system
<b>Probe arm length</b>	100 mm; 150 mm; 200 mm
<b>Weight (gross)</b>	23 KG
<b>Measuring range mm</b>	13 mm (100 mm probe arm) 26 mm (200 mm probe arm)