

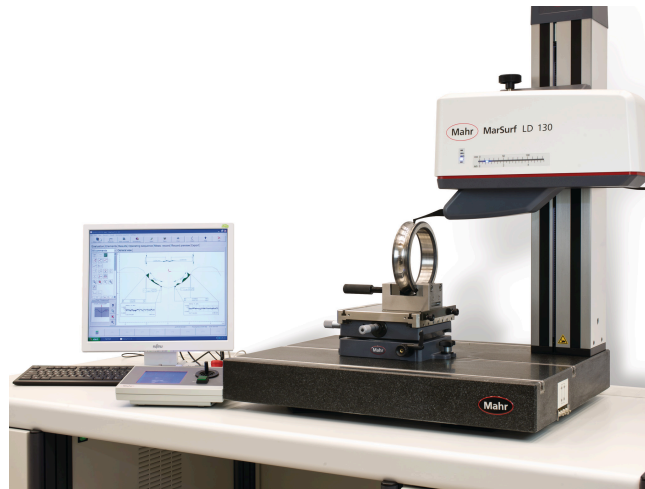
# Product information

## 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  |
| <b>Probe arm length</b>                  | 100 mm; 150 mm; 200 mm                               |
| <b>Guide deviation</b>                   | 0.10 µm / 60 mm<br>0.20 µm / 130 mm                  |
| <b>Measuring speed</b>                   | 0.02 mm/s to 10 mm/s                                 |
| <b>End of traversing length (in X)</b>   | 130.0  |
| <b>Positioning speed</b>                 | 0.02 mm/s to 200 mm/s                                |
| <b>Probe</b>                             | Combined roughness and contour probe system          |
| <b>Measuring range mm</b>                | 13 mm (100 mm probe arm)<br>26 mm (200 mm probe arm) |
| <b>Traversing lengths</b>                | 0.1 mm to 130 mm                                     |
| <b>Measuring force (N)</b>               | 0.5 mN to 30 mN, software adjustable                 |
| <b>Weight (gross)</b>                    | 23 KG  |