

Product information

Combined contour and surface measuring station MarSurf LD 260

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

Item no.: 6720826

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 or knee endoprotheses, contour measurement for medical screws, contour and surface roughness measurement for dental implants

Optics

Contour and surface roughness measurement of aspherical lenses

Technical data

Resolution	0,8 nm
Start of traversing length (in X)	0.1 mm
End of traversing length (in X)	260.0 mm
Traversing length (Lt)	0.1 - 260 mm
Guide deviation	0.10 µm / 60 mm 0.20 µm / 130 mm 0.40 µm / 260 mm
Measuring force (N)	0.5 mN to 30 mN, software-adjustable
Measuring speed	0.02 mm/s to 10 mm/s
Positioning speed X-axis min.	0.02 mm/s
positioning speed X-axis max.	200 mm/s
Positioning speed X axis	0.02 - 200 mm/s
Probe	Combined roughness and contour probe system
Probe arm length	100 mm; 150 mm; 200 mm
Weight (gross)	27.5 KG
Measuring range mm	13 mm (100 mm probe arm) 26 mm (200 mm probe arm)