Product information

Roughness measuring station MarSurf GD 280

Item no.: **6269012**

Technical data

Resolution	Measuring range 1: 2.0 nm Measuring range 2: 0.2 nm
Start of traversing length (in X)	0.1
Probe arm length	45 mm (x 1) 67.5 mm (x 1,5) 90 mm (x 2) 112.5 mm (x 2,5) 135 mm (x 3)
Guide deviation	0.20 µm / 60 mm 0.40 µm / 140 mm 0.75 µm / 280 mm
Measuring speed	0.02 mm/s to 10 mm/s
Workpiece weight max.	90
End of traversing length (in X)	280.0
Positioning speed	X: 0.02 mm/s to 200 mm/s Z: 0.02 mm/s to 50 mm/s
Probe	Roughness probe system (skidless)
Measuring range mm	500 µm (±250 µm) for probe arm length 45 mm 1500 µm (±750 µm) for probe arm length 135 mm
Traversing lengths	0.1 mm to 280 mm
Measuring force (N)	0.7 mN
Weight (gross)	200 KG

Product features

MarSurf GD: The new reference measuring station for roughness and waviness measurements

The new Mahr measuring stations from the MarSurf GD series are setting new standards.In addition to surface roughness evaluations, profile, and waviness evaluations can also be performed. The new MarSurf GD series is enabling production companies to achieve a new dimension to reliably ensure and improve the production quality of workpieces in the measuring room or close to the production area.

The new measuring station concept combines speed, security, and flexibility. The aim is to increase the cost-effectiveness of the system for your company.

The measuring stations are operated with the user-friendly MarWin software (MarWin EasyRoughness or MarWin ProfessionalRoughness).

Application

Mechanical Engineering
Bearings, threads, threaded bars, ball screws, shafts, racks

Production metrology
Contour measurement in a semi-automatic process

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

Medical technology
Contour of hip and knee endoprosthesis, contour of medical screws, contour of dental implants