

Product information

MarShaft SCOPE 350 / 750 / 1000 plus optical shaft measuring systems MarShaft SCOPE plus

Product features

The **MarShaft SCOPE plus** is a universal, fully automatic optical shaft measuring system for testing rotationally symmetrical workpieces.

The **MarShaft SCOPE plus** has a highly accurate roundness measuring axis (C), a vertical measuring axis (Z) and a horizontal measuring axis (X).

A tactile measuring system with an inductive measuring probe is available as an option, for measuring radial and axial run-out, for example. The measuring device is calibrated to the optical measuring system, so it can perform tactile and optical measuring tasks in combination.

The new MarWin EasyShaft software provides a high level of flexibility and exceptionally user-friendly operation.

The measuring sequences are carried out fully automatically, free from operator influences.

The MarShaft SCOPE plus is suitable for use in both the harsh workshop environment and in the inspection room. Zoom functions allow the smallest details to be measured, which with conventional measuring methods are difficult if not impossible to test.

Application

Typical workpieces

- Turned parts
- Tripods
- Transmission shaft
- Rack
- Axle journal
- Hollow shaft
- Drive shaft
- Camshaft
- Turbocharger shafts
- Bone screws
- Worm gears
- Balance shafts
- Hydraulic parts
- Valves (diesel engine)
- and much more



Item no.: **5361501**

Technical data

Workpiece weight (max.) in kg	30
Measuring range length (Z) (mm)	350 / 750 / 1000
Measuring range diameter (X) (mm)	80 or 120
Length/diameter resolution (mm)	0.01 to 0.0001
Angle resolution (°)	0.01 to 0.0001
Length error limit (Z) (µm)	(2 + L/125) L in mm (at 20°C ± 1°C on reference standard)
Diameter error limit (X) (µm)	(1.0 + L/125) L in mm (at 20°C ± 1°C on reference standard)
Drives	Servo motors
Lens	Telecentric precision lens High-resolution CCD array