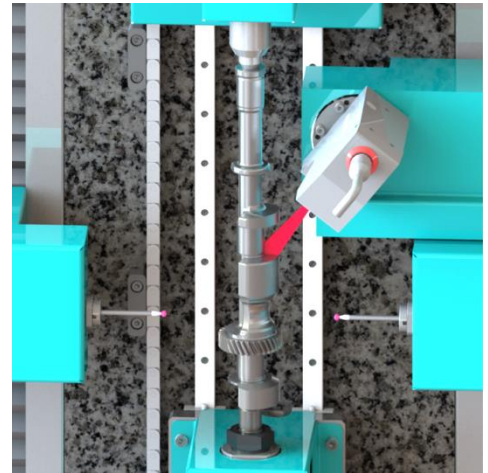




Rotexion

- Tactile shaft measuring device with undercut measurement
- Tactile measuring principle:
 - Exchangeable scanning elements to adapt to any test piece geometry
 - Minimum defined scanning force results in repeatable measuring processes
- Optical measuring principle:
 - Optional
 - 2D profile sensor for DIN undercuts (or similar)
- rotoware® software
 - Fast measurements in practice and manual mode (quality inspection of individual pieces)
 - Expert mode for creating complex automated measurement sequences (e.g. end-of-line)
 - Intuitive and self-explanatory operation
- Places of operation:
 - Measuring room
 - Production (even in harsh environmental conditions)



Technical Data

Test piece	Shafts, rotating parts
Diameter	max. 125 mm
Length	max. 400 mm (600 mm, 800 mm optional)
Weight	max. 30 kg
Test characteristics	Length, diameter, distances Straightness, angularity Cylindricity, roundness, runout, axial runout, concentricity, total run Undercuts or similar contours in hard-to-reach places (optional)

Measuring accuracy

Concentricity of the centring tips	$\leq 1 \mu\text{m}$
Repeatability	$\pm 1 \mu\text{m}$ (diameter 4 sec) $\pm 1.5 \mu\text{m}$ (length 4 sec)
Length error limit	$2+L \text{ (mm)} / 100 \mu\text{m}$

Device functions

Scanning force	2 N constant
Measuring principle	tactile optical with 2D profile sensor for undercut measurement (optional)
Calibration function	integrated and automatic
Tailstock adjustment	one-hand operation
Operator safety	double sliding door provides protection during measuring process
Parts receivers	fixed liftable centring tip at top driven centring tip at bottom with tappet or clamping jaws as needed for the measuring task
Scanning elements	universally applicable for axial and radial scanning easily interchangeable

Measurement data processing

Measuring data software	rotoware®
Measured value display	well-arranged with clear colour change
Operation	touch screen monitor, keyboard, 3D mouse
Test plan creation	with print function
Storage, archiving	csv file
Export	data transmission (optional) data archiving (optional)



Machine dimensions

W x H x D	980 mm x 2120 mm x 1030 mm
Weight	850 kg