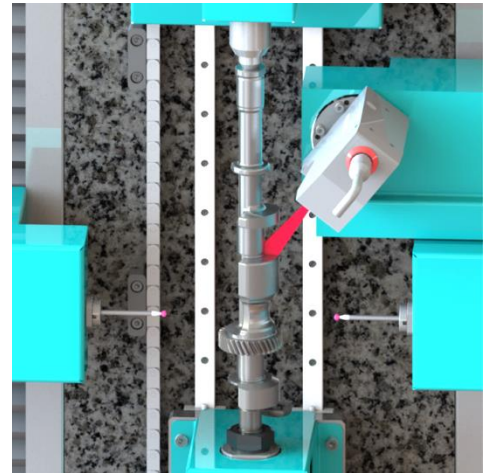




Rotexion

- Tactile shaft measuring device, exclusive with undercut measurement, extremely easy operation, supplying reliable measurement results even in dirty-rough environments
- 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:
 - Undercut measurement with 2D profile sensor, e.g. for DIN-undercuts
- rotoware® software
 - Fast measurements in practice and manual mode (quality inspection of individual pieces)
 - Easy creation of test plans by the worker
 - Expert mode for creating complex automated measurement sequences (e.g. end-of-line)
 - No operator training necessary due to intuitive self-explanatory use
- Places of operation:
 - Measuring room or factory hall
 - Integration into production line with automatic equipment, e.g. by robot



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

