







TESTCENTER


Equipment list mechanical testing

We test comprehensively and reliably. With our wide range of equipment, we guarantee results.

Zwick Roell RetroLine univ. testing machine	Technical data	Areas of application
	<ul style="list-style-type: none"> • Maximum test force: 20 kN • Load cells: 20 kN; 2 kN; 500 N; 20 N • Crosshead speed: 0.001 mm/min to 1000 mm/min • Usable testing space: 630 x 1430 mm • Accredited in accordance with EN 17025 since January 2017 	<ul style="list-style-type: none"> • Tensile and compression tests • Breaking strength • Spring constants • Young's modulus • Measurement of force-displacement hysteresis curves

Vickers hardness tester	Technical data	Areas of application
	<ul style="list-style-type: none"> • Test forces: 49.03 mN (5p) corresponds to HV 0.005 • up to 19.61 N (2kp), corresponds to HV 2 • for component hardnesses up to approx. 1200 HV 2 	<ul style="list-style-type: none"> • Hardness testing for metallic materials

Shore A and Shore D hardness tester	Technical data	Areas of application
	<ul style="list-style-type: none"> • Zwick 7201 • Zwick Roell 3114 Shore A • Hardness values from 10 to 90 Shore A • Margin of error: $< \pm 1$ Shore hardness unit • Zwick Roell 3116 Shore D • Hardness values from 30 to 90 Shore D 	<ul style="list-style-type: none"> • Hardness testing for polymer materials
IRHD rubber hardness tester	Technical data	Areas of application
	<ul style="list-style-type: none"> • Hardness values from 30 to 100 IRHD M 	<ul style="list-style-type: none"> • Measurement of rubber hardness levels - for example, measurement of O-rings

Surface profilometer	Technical data	Areas of application
	<ul style="list-style-type: none"> • Tactile surface roughness measurement • Step-height measurement of coatings in the μm range • Stylus radius: 2 μm 	<ul style="list-style-type: none"> • Measurement of surface profiles • Roughness measurement