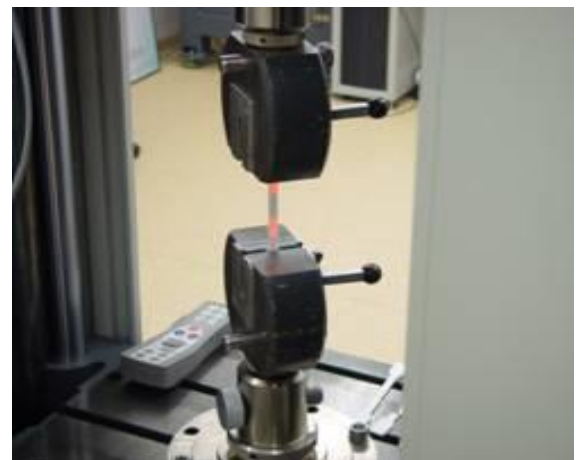


Universal Tensile Compression Measuring Machine



Zick/Roell Materialprüfmaschinen



<p>Main Application</p> <ul style="list-style-type: none"> • Investigation of components and assemblies under static and quasi-static loads • Recording of stress - strain - characteristic curves 	<p>Technical Data</p> <ul style="list-style-type: none"> • Load range: 0.5 to 50 kN • Travel: max. 1000 mm, • Accuracy 0.01 mm • Test speed: max. 500 mm/min • Weight: approx. 950 kg
<p>Test Specimen</p> <ul style="list-style-type: none"> • Material tests on various components and assemblies, e.g. springs or wishbones 	<p>Special Features</p> <ul style="list-style-type: none"> • Max. Dimensions of the test specimens: H x W x D: 1700 x 600 x 600 (no limitation of the test chamber depth when the safety door is open) • Machine dimensions: H x W x D: 2280 x 105 x 700 • Dimensions switch cabinet: H x W x D: 700 x 700 x 620
<p>Location</p> <p>Fahrzeugtechnisches Versuchszentrum Dresden Lehrstuhl Kraftfahrzeugtechnik August-Bebel-Straße 32 01219 Dresden https://goo.gl/maps/QwMGh6A6cjm</p>	

<p>Measured Quantities</p> <ul style="list-style-type: none"> • Force: 1 - dimensional • Displacement: 1 - dimensional 	<p>Measuring Instruments</p> <ul style="list-style-type: none"> • load cell: 50 kN • Angle mark encoder: Measurement of traverse travel
<p>Equipment</p> <ul style="list-style-type: none"> • ZWICK/ROELL universal testing machine • Central electronic unit DUPS in control cabinet (measurement, control and regulation electronics) 	
<p>Software for control and data acquisition</p> <ul style="list-style-type: none"> • testXpert II material testing software with integrated test specifications 	
<p>Available connections in the test room</p> <ul style="list-style-type: none"> • Electrical connection 16 A (32 A if necessary) • Compressed air 6 bar 	
<p>Contact Person</p> <p>Dipl.-Ing. (FH) Toni Thiele Email: toni.thiele@tu-dresden.de Fax.: +49 (0) 351 / 463 37066</p>	