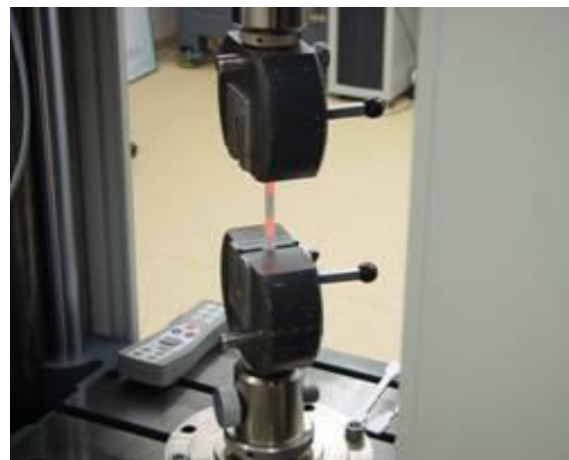


## 05\_Universal Testing Machine



Zick/Roell Materials Testing Machines



<p><b>Main Application</b></p> <ul style="list-style-type: none"> <li>• Investigation of Components and Assemblies under static and quasi-static Loads</li> <li>• Recording Stress-Strain Curves</li> </ul>	<p><b>Technical Data</b></p> <ul style="list-style-type: none"> <li>• Load Range: 0,5 to 50 kN</li> <li>• Travel: max. 1000 mm, Accuracy 0,01 mm</li> <li>• Test Speed: max. 500 mm/min</li> <li>• Weight: approx. 950 kg</li> </ul>
<p><b>Specimen</b></p> <ul style="list-style-type: none"> <li>• Material Tests on various Components and Assemblies, e.g. Springs or Wishbones</li> </ul>	<p><b>Characteristics</b></p> <ul style="list-style-type: none"> <li>• max. Dimensions of the Specimens: H x W x D: 1700 x 600 x 600 (no Restriction of the Test Chamber Depth when the Safety Door is open)</li> <li>• Dimensions Machine: H x W x D: 2280 x 105 x 700</li> <li>• Dimensions Control Cabinet: H x W x D: 700 x 700 x 620</li> </ul>
<p><b>Measured Values</b></p> <ul style="list-style-type: none"> <li>• Force: 1 - dimensional</li> <li>• Displacement: 1 - dimensional</li> </ul>	<p><b>Measurement Devices</b></p> <ul style="list-style-type: none"> <li>• Load Cell: 50 kN</li> <li>• Angle Marker Encoder: Measurement of Crosshead Travel</li> </ul>
<p><b>Devices</b></p> <ul style="list-style-type: none"> <li>• ZWICK/ROELL Universal Testing Machine</li> <li>• DUPS Central Electronics Unit in the Control Cabinet (Measurement and Control Electronics)</li> </ul>	
<p><b>Software for Control and Data Acquisition</b></p> <ul style="list-style-type: none"> <li>• testXpert II Materials Testing Software with integrated Test Specifications</li> </ul>	
<p><b>Available Supplies</b></p> <ul style="list-style-type: none"> <li>• electrical Connection 16 A (32 A if necessary)</li> <li>• Compressed Air 6 bar</li> </ul>	