


Instrument title	Servohydraulic testing system MTS 809.40
Photo	
Technical details	<p>Testing system is modernized with equipment and accessories:</p> <ol style="list-style-type: none"> 1. controller and data acquisition device (Flex TEST SE); 2. hydraulic axial-torsional wedge grips; 3. mechanical wedge grips; 4. temperature chamber. <p>Nominal test load in tension and compression ± 500 kN; nominal test load in torque ± 500 N/m; displacement ± 50 mm; angular displacement $\pm 50^\circ$; maximal speed 1500 mm/min; cyclic loading is up to 20 Hz; accuracy grade 1; temperature range in chamber $-129^\circ\text{C} - 315^\circ\text{C}$.</p>
Application	<p>Static and fatigue tests of materials tests in tension, compression, shear, flexure and torsion.</p>