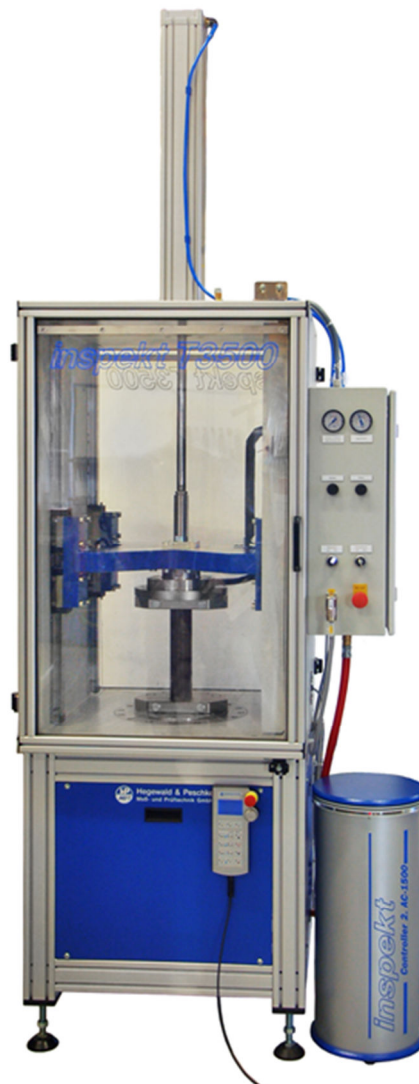




Product Information

test stand with vertical clamping of the specimens

Torsion test stand inspekt T3500



technical data

Mechanical design	The lower working level in a height of 650 mm is made up of the lower drive unit with a rugged drive flange and multi-level gear assembly with an AC servo motor. The side walls are rugged and transmit the nominal torsional moment of up to 3500 Nm. The front and back sides are equipped with electrically monitored doors and protect the operator when the specimen breaks. A pneumatic cylinder presses the counter bearing with the torque sensor with 5 kN against the specimen. It can be height-adjusted manually. Angular measurement is done by the motor's rotary encoder. The connecting flanges (top and bottom) with the 50 mm square-end for specimen acceptance can be exchanged.
Standard functions	Torque, angle or external signal Overload protection, automatic torque calibration Specimen failure detection, return function Handheld panel for precise manual positioning
Test room dimensions	Width / diameter of the testing room: 500 mm Maximum installation height of specimens: 700 mm
Rotational speed	Testing speed: 0.005 - 2 / min, rotations can be executed in the range of 360°
Torque measurement	Measuring range: in the range 0.4 - 100 % of nominal load, resolution of torque measurement: +/-100,000 digits at 20ms integration time
Rotation angle measurement	Incremental rectangular input with sensor monitoring, storing of position, angle resolution: < 0.01°
Dimensions and weights	Torsion test stand: WxDxH ca. 900 mm x 750 mm x 2600 mm, 480kg Controller: WxDxH ca. 290 mm x 290 mm x 650 mm, 35kg
Data transmission	USB 2.0 or LAN interface, Data transmission rate to PC: 50 Hz (standard), optionally higher data transmission frequency with special software add-on Internal data procession rate: 1 ms
Connection	115/230 VAC, 2.0 kVA, 50/60 Hz, 5- 40°C, 20- 80 % humidity compressed-air: 6bar
Included accessories	<ul style="list-style-type: none"> • Handheld panel RMC7 with load-position display • Guard door with electronic monitoring
Optional accessories	Load cell (necessary for operation) Testing software LabMaster PC and screen

Your contact person: