

Torque testing machine TIRAtorsion 28500

TIRAtorsion 28500 Torque tests for static and pulsating tests with superimposed forces.

Implementation:

- Floor standing unit, horizontal test axle
- With electric motor drive
- Pneumatically operated grips
- Torque and force sensor exchangeable

Technical Specifications:

- Max. allowable torsional moment: 500Nm
- Max. preload force 2,5kN (100kN force transducer)
- Max. torque speed 30 turns / min
- Max. traction speed 500mm / min
- Clamping jaws for possible specimen $\varnothing$ 4mm-12mm
- Pliability $< 0,033^\circ/\text{Nm}$
- Resolution angle of rotation = $0,0014^\circ$
- Resolution way = $0,055\mu\text{m}$
- Resolution Moment = $0,0035\text{Nm}$
- Resolution force = $0,4$
- Weight : 1200 kg



External dimensions

- (HxWxD) 1400 x 3000 x 800 mm
- Possible sample length 0mm-1200mm
- Axial stroke 100mm

Cabinet / Connections

- (HxWxD) 800 x 400 x 1000 mm
- Power supply: 3 ~ 400 V, N, PE / 50/60 Hz, 3000 VA
- Pneumatic pressure max. 9 bars

Accuracy

Torsional force and accuracy 1 class according to EN ISO 7500-1 and ASTM E4 from 1% to 100% of the nominal load of the respective transducer

Control unit EDC 580

control loop frequency max. 5 kHz, Load resolution 200.000 digit in 30 ms.