



TORONTECH

COMPUTER - CONTROLLED TORSION TESTING MACHINE TORONTT™ -200



Computer - Controlled Torsion Testing Machine ToronTT™-200 delivers precise torque testing with a servo motor drive, high-stability control system, and advanced data processing. It features automatic torsion angle measurement, overload protection, and real-time test reporting, ensuring accuracy and reliability in material testing.

APPLICATIONS

Standards

ASTM A938-2004 □ Metal Wire Torsion Test Standard Test Method □

Usage

This machine is used for metal, non-metallic, composite materials and components torsion performance test.

FEATURES

1. Servo motor drive ensures consistent reverse speed.
2. Cycloidal reducer drive enhances efficiency and stability.
3. The electrical control system offers high stability, smooth operation, quick response, low noise, and adjustable parameters for optimal performance.
4. Includes overload protection, emergency stop, and other safety features.
5. User-friendly test software on an English Windows platform with advanced data and graphics processing, enabling instant test reports and curve generation.
6. Features torque value tracking, automatic torsion angle measurement, loading rate display, peak holding, and more.

7. Automatically processes and displays test data, including test date, sample number, material properties, strength, and other key details.
8. High-precision linear guide ensures accurate coaxiality and parallel alignment.

TECHNICAL SPECIFICATIONS

Max. torque (N.m)	200
Measuring range of torque	2%-100%FS
Accuracy class	1 class
Relative error of indicating value of torque	±1%
Resolution of torque	1/300000 of max. torque
Measuring range of torsion angle	0°-9999°
Relative error of indicating value of torsion angle	±1%
Resolution of torsion meter torsion angle	0.01°
Torsion speed	3.6-1080°/min
Relative error of torsion speed	Within ±1.0% of setting value
Max. distance between two collets (mm)	500
Sample test parallel end diameter	Φ5~ Φ12mm
Sample clamping end diameter	Φ20
Voltage (V)	220V 50Hz (110V is also available)



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