



TORONTECH

COMPUTER - CONTROLLED TORSION TESTING MACHINE TORONTT™ -2000



Computer - Controlled Torsion Testing Machine ToronTT™-2000 delivers precise torque measurement with a servo motor drive, high-efficiency reducer, and advanced safety features. Its intuitive software provides real-time data analysis, automated tracking, and detailed test reports, ensuring reliable performance for various materials.

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, fast response, and low noise. Adjustable parameters optimize performance for different models.
4. Built-in safety features include overload protection and emergency stop.
5. User-friendly test software on an English Windows platform provides advanced data and graphics processing, generating comprehensive test reports and curves instantly.
6. Features include torque value tracking, automatic torsion angle measurement, loading rate indication, and peak hold function.

7. Automatically processes, displays, and prints test data, including test date, sample number, material properties, reverse torque, and strength.
8. High-precision linear guides ensure optimal coaxiality and parallel alignment.

TECHNICAL SPECIFICATIONS

Max. torque (N.m)	2000
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
Diameter of sample	φ10~ φ30mm
Voltage (V)	380V 50Hz



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