



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

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

Inspection standard: JJG269-2006 "Torsion Testing Machine"

Test method: GB/T10128-2007 "Metal Room Temperature Torsion Test Method"

Usage

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

FEATURES

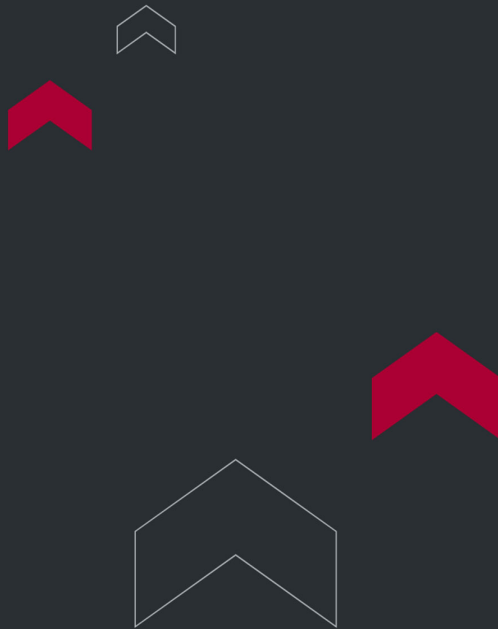
1. Servo motor drive ensures consistent reverse speed.
2. Cycloidal reducer drive enhances efficiency and stability.
3. The electrical control system offers high stability, smooth operation, quick response, low noise, and adjustable parameters for optimal performance.
4. Includes overload protection, 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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Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

