



Instron® medium-capacity MT Micro Torsion systems are available in capacities ranging from 565 to 5,650 N-m (5,000 to 50,000 lb-in). The tabletop design requires minimal lab space while offering superior frame stiffness and alignment. Packaged with Instron high-performance control electronics, the MT Series provides highly accurate test data and control for testing fasteners, metal components, and wire rod used in the aerospace, automotive and construction & engineering industries.

Features and Benefits

- Dual linear slide design offers high-torsional stiffness
- Interlocked chuck guard protects the operator from the rotating drive during operation
- Torque is measured directly with a strain gauged torque cell for improved accuracy
- Comprehensive torsion testing software provides graphical data plots and performs a wide range of calculations on torque and angle data
- Productivity panel with multiple function keys and displays allows the operator to perform common testing functions and view key test information without returning to the computer



Application Range

- Aerospace/Automotive Components
- Fasteners
- Metals
- Tools
- Wire Rod

Standards

- ASTM A938, E143
- ISO 7800
- CE Compliant

Specifications

		MT5	MT10	MT20	MT50
Torque Capacity	N-m lb-in	565 5,000	1,130 10,000	2,260 20,000	5,650 50,000
Horizontal Opening (without grips)	mm in	788 31	775 30.5	775 30.5	675 26.6
Single Test Space Diameter	mm In	483 19	483 19	483 19	483 19
Maximum Test Speed	RPM	18	9	4.5	1.5
Load Weighing Accuracy		+/- 0.5% of reading down to 1/250th of torque cell capacity	+/- 0.5% of reading down to 1/250th of torque cell capacity	+/- 0.5% of reading down to 1/250th of torque cell capacity	+/- 0.5% of reading down to 1/250th of torque cell capacity