

**Overview:**

Designed primarily for **low-capacity torsion testing** in the range of **450 μ Nm to 225 Nm**, the MT Torsion Testing Systems offer:

- Accurate, **multi-turn capability**
- **High rotational stiffness**
- **Minimal axial friction**

System Features:

- The **system torque cell** is attached to a **movable crosshead**, which can be:
 - Left **free-floating** for axial pre-load application, or
 - **Clamped** during testing
- In free-floating mode, the user can apply an **axial pre-load** to the specimen using a **weight and pulley arrangement**
- **Closed-loop servo-control** of the electromechanical drive is provided by **control electronics**

Features:

- Dual linear slide design provides high-rotational stiffness and low-axial friction.
- Adjustable crosshead locking system allows crosshead to be free-floating or fixed during testing.
- Interlocked test space enclosure enhances operator safety.
- Digital control electronics allow for accurate and repeatable test results and fast control

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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response for both torque and angle.

- Torsion testing software offers easy test set up, graphical data plots, automatic calculation of desired test results and flexible reporting tools.
- Torque Cell protection device minimizes the chance of over-ranging low capacity torque cells during test set up.
- Optional axial preload assembly applies a constant tensile or compressive load during test.
- Range of low-capacity torque cells are available down to 0.225 Nm (2 lbf-in).
- Designed and sized to easily fit on a lab table top.



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