

Torsion Testing Machine



Model No. RESOTECH TOR-323

Introduction: These machines measure the torsional strength, stiffness and stress strain properties of materials and products that are used in torsional loading applications. Torsional testing machines are also used to test torsional tools for strength, fit to function and fatigue life of devices and products such as drill tool bit tips and medical devices such as spinal implants, metallic bone screws and other fasteners.

Application:

This Machine applies a torque on the specimen held in its chuck and measures the twist. The machine is useful for material manufacturers, Research Institutions, Testing Laboratories, and Educational Institution etc. to test metals.

Features:

- Correct torsional speed
- Accuracy in functioning
- Digital operation

Accuracy: Accuracy of torque measurement $\pm 1\%$ in the range from 4% to 100% of machine capacity.

Optional Accessory: Special comprehensive software for Torsion test to give Torque vs. Angle of Twist graph and also to calculate various parameters like Torsional Shear Strength, Modulus of Rigidity, etc.

Technical Specification

S.NO.	PARAMETERS	SPECIFICATION
1.	Capacity	100NmMax
2.	Torque Capacity	100Nm
3.	Overall Size Approx.(LxWxH)	1325x650x1375mm
4.	Angle of twist	0.01degree
5.	Distance between grips	0-400mm
6.	Torsion speed & Direction	1.5 RPM Reverse
7.	Grips for around bar of dia	4-8/8-12 mm
8.	Grips for flat bars thickness width	2-8/25 mm
9.	Motor(hp)	0.5
10.	Power Supply	415V AC ,50Hz 3 phase