



# DIGITAL TORSION TESTING MACHINE



## **BTT-NM-D Series**

### FEATURES: -

- Suitable for Torsion and Twist tests on various meta rods and flats.
- Torque measurement by Torque cell & angle of twist on LCS display provided on Data Acquisition System.
- Torque resolution 0.01% of machine capacity for entire range.
- Angle of twist resolution is 0.1 degree.
- Accuracy of Torque measurement  $\pm 1\%$  in the range from 4% to 100% of machine capacity.
- Provisions to conduct test slowly by a handle which facilities finding Moduls of rigidity "G".
- Facility for connecting to the computer
- Various models maximum Torque capacity from 100 NM to 3000NM.
- Machine meet the requirement of IS : 5075 1969

TECHNICAL SPECIFICATIONS	MODEL				
	BTT-100-NM-D	BTT-200-NM-D	BTT-500-NM-D	BTT-1000-NM-D	BTT-2000-NM-D
Max. Torque capacity (NM)	100	200	500	1000	2000
Torque Ranges (NM)	0-100	0-200	0-500S	0-1000	0-2000
No. of Divisions on dial	500	500	500	500	500
Torsion speed & directions	1.5 Reverse	1.5 Reverse	1.5 Reverse	1.5 Reverse	1.5 Reverse
Distance between grips (mm)	0-400	0-450	0-500	0-600	0-1000
Grips for round bar of dia(mm)	4-8	7-10	10-17	10-18	20-30
	8-12	10-15	17-24	18-26	30-40
Grips for flat bars(mm)width	2-8	3-10	5-12	5-15	10-20
	25	30	40	50	60
(3 ph 440V, 50Hz, AC) Motor HP	0.5	0.5	1.5	2.5	3.5