



**ZEAL INTERNATIONAL** (An ISO 9001 Certified Company)

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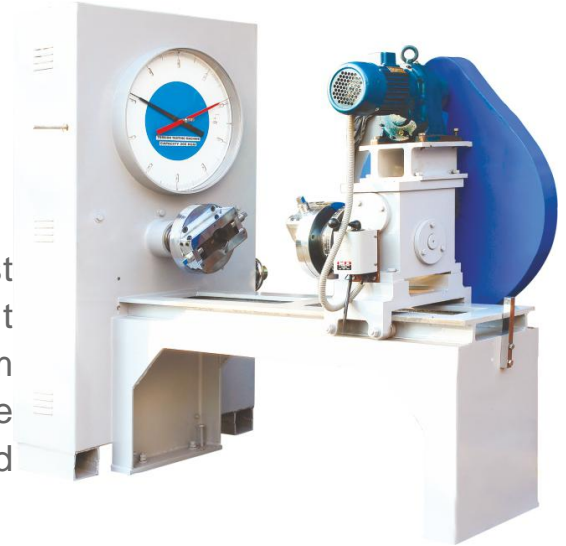
## Torsion Testing Machine ZI 7002

Standards:

Specification:

It is designed for conducting Torsion and Twist Tests on various metal wires, tubes sheet materials. Torque measurement is by Pendulum dynamometer System. Torque ranges can be adjusted. Torque is applied to specimen by geared motor

through gear box. Autographic recorder can be provided to know the relation between torque and angle of twist on specific request. The Accuracy of the torque indication is  $\pm 1\%$  of the true torque. The complete system is hydraulically damped for vibration free Loading.



- Unique 'TALON-CLAW' Grips for Round and Flat specimens
- Torsional Speed of 0.1/0.2 RPM
- Torque Compensated Motors
- Maintenance Free Gear Box
- Auto Range Selection with Range Selector Wheel (Optional)
- 3 or 4 Torque Ranges for Higher Accuracy (Optional)
- Load-unload Capability
- Variable Speed Drive (Optional)

### Also in Our Range of Manufacture:

- Electronic Microprocessor Based Version with Digital Indication of Torque and Angle of Twist

- Computerized Version
- Grips for Round bars can be provided at an Extra Cost

<b>Model</b>	<b>TT-6</b>	<b>TT-10</b>	<b>TT-20</b>	<b>TT-50</b>
Capacity kg-m	6	10	20	50
Ranges in kg-m	6, 3 & 1	10, 5 & 2	20, 10 & 5	50, 25 & 10
No. of divn. on dial	600	500	500	500
Torsion Speed	Fixed	Fixed	Fixed	Fixed
Direction	One way	One way	Reverse	Reverse
Clearance Between	0-400	0-420	0-450	0-500
Grips for flat bars (mm)	1-5	2-8	3-10	5-12
Width (mm)	25	25	30	40
Gear Motor 3ph (hp)	0.5	0.5	0.5	0.5

<b>Model</b>	<b>TT-100</b>	<b>TT-200</b>	<b>TT-300</b>	<b>TT-600</b>
Capacity kg-m	100	200	300	600
Ranges in kg-m	100, 50 & 25	200, 100 & 50	300, 150 & 50	600, 300 & 150
No. of divn. on dial	500	500	600	600
Torsion Speed	Fixed	Fixed	Fixed	Fixed
Direction	Reverse	Reverse	Reverse	Reverse
Clearance Between	0-500	0-1000	0-1000	0-1500
Grips for flat bars (mm)	5-15	10-20	15-25	25-40
Width (mm)	50	60	60	70
Gear Motor 3ph (hp)	0.5	1.0	1.5	2.0