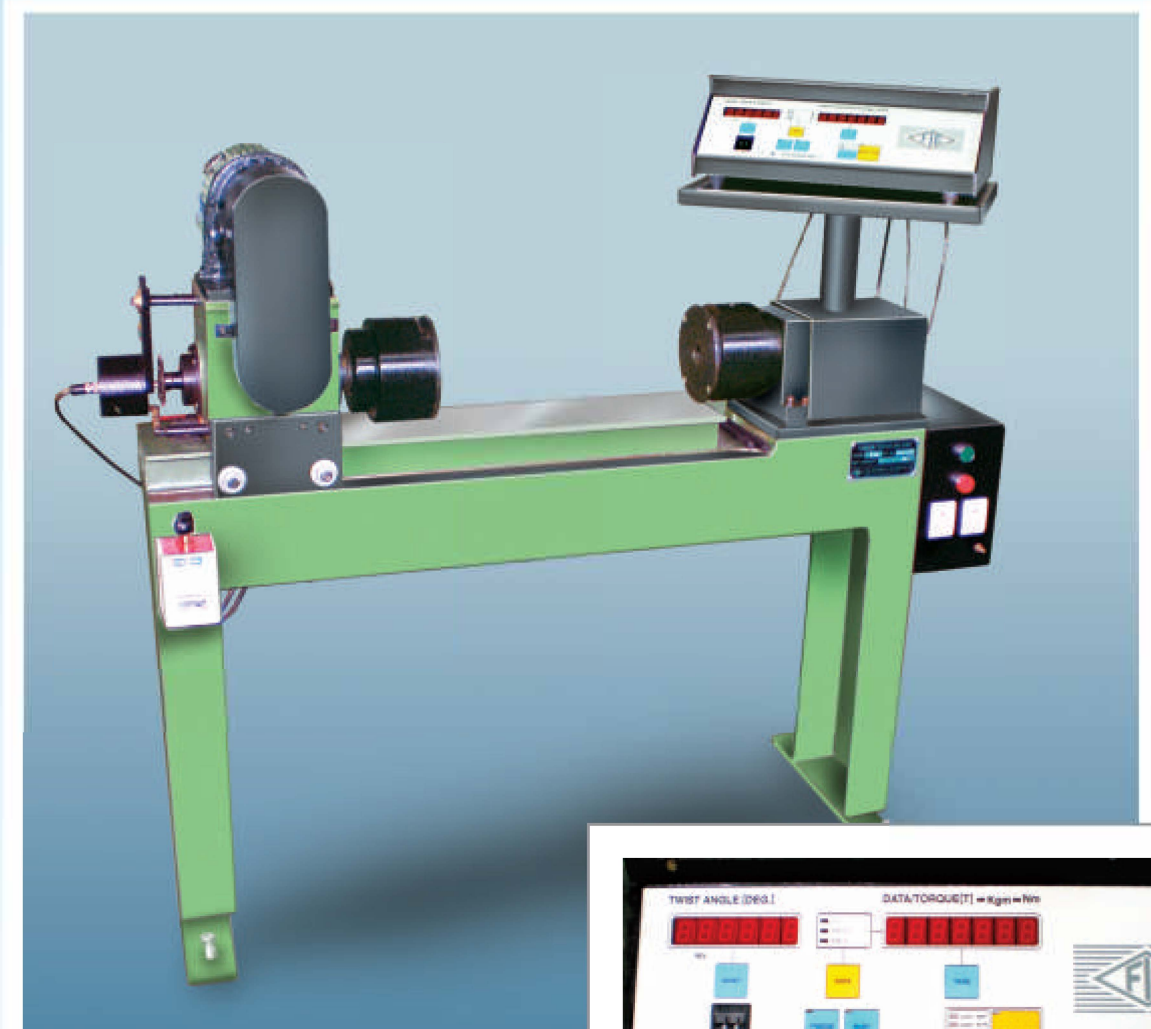
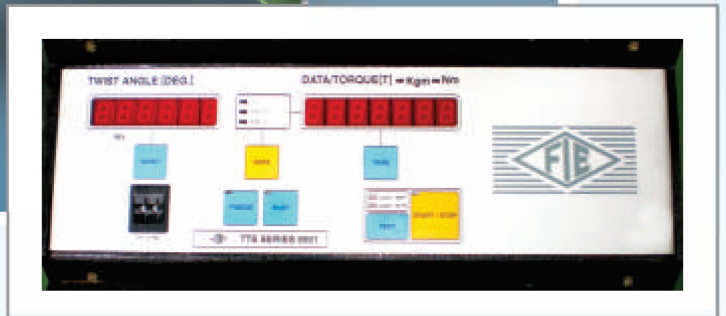


MODEL - TTE



**Electronic Control Panel
(Series : 9901) :**



Features :

- Torsion Testing Machine is designed for conducting torsion and twist on various metal wires, tubes, sheet materials. Torque measurement is by torque transducer system.
- Torque can be applied to specimen by geared motor through gear box. Autographic recorder gives the relation between torque and angle of twist.
- The accuracy of torque indication is $\pm 1\%$ of the true torque.

The electronic control panel is built using 8085 microprocessor which incorporates state of the art technology with following features -

- Front panel membrane type key board for test setup.
- 7 seg digital display of load displacement/extension.
- Printer port interface.
- Serial port for communication with PC.
- Storage of important parameters such as peak load & maximum displacement after test.
- Preload selection to take care of initial slippage.
- Optional real time graph & PC softwares.



ELECTRONIC TORSION TESTING MACHINE

MODEL - TTE

Technical Data :

| Models | Unit | TTE-6 | TTE-10 | TTE-20 | TTE-50 | TTE-100 | TTE-200 | TTE-300 | TTE-600 |
|------------------------------------|------|-------------|-------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Max. Torque capacity | Nm | 60 | 100 | 200 | 500 | 1000 | 2000 | 3000 | 6000 |
| Least Count | Nm | 0.006 | 0.01 | 0.02 | 0.05 | 0.01 | 0.02 | 0.03 | 0.06 |
| Torsion Speed | RPM | 1.5 | 1.5 | 1.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Clearance between Grips | mm | 0-420 | 0-420 | 0-420 | 0-500 | 0-600 | 0-1000 | 0-1000 | 0-1500 |
| Grips for Round Specimens | mm | 4-8 8-12 | 4-8 8-12 | 7-10 10-15 15-20 | 10-17 17-24 24-30 | 10-18 18-26 26-34 | 20-30 30-40 40-50 | 30-40 40-50 50-60 | 40-50 50-60 60-70 |
| Grips for Flat Specimens | mm | 1-5 | 2-8 | 3-10 | 5-12 | 5-15 | 10-20 | 15-25 | 25-40 |
| width mm | | 25 | 25 | 30 | 40 | 50 | 60 | 60 | 70 |
| Motor (400-440 V, 3 Phase & 50 Hz) | HP | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 | 1.0 | 1.5 | 3.0 |

- Machines upto 25000 Nm. Capacity will be available on special enquiry.
- FIE reserves the rights of change in above specification due to constant improvements in design.

** PC & Printer is not in our standard scope of supply.*

CANAN TESTING SERVICES

Accredited by NABL (Dept. of Science & Technology-Govt. of India)

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