TESTRONIX®
QUALITY TESTING INSTRUMENTS

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Tensile Testing Machine Panorama Computerized

Tensile Strength Tester also known as the tensile strength tester is one of the most used instruments in the testing industry. it has various applications and is used in various industries such as plastics, packaging, flexible films, automotive, rubber etc.

The Tensile Strength Tester twin column machine is one of the most accurate instruments which helps the user in calculating the breaking load capacity and the elongation in the case of a stretchable sample. It is the most widely used instrument in the destructive sample testing domain. The instrument calculates the tensile force which acts on the specimen. During the test the specimen is placed between the clamps/grips. The clamps are then separated automatically with the help of a switch.

The instrument provides the user with highly accurate and precise test results. The instrument adheres to the following test standards ASTM D412, ASTM D429-73, ASTM D624, ASTM D638-01, ASTM D76, IS 13360-5-7, IS-3400

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Specifications-

- Accuracy – ±2% of Load Cell Capacity
- Travel length of the grips – 25mm – 700mm.
- Motor – 1/5 HP, – 1440 rpm, 1 phase power supply.
- Grip to grip separation: Min 25mm and max 700mm
- Capacities available

Capacity (Kgf)	Least Count
1000	500gm
2,500	1kg
5,000	2kg
10,000	5kg

- Types of grips (optional and additional)

- Flexural
- Compression
- Plate Wedge Type
- Roller Type
- Vice grips

Features-

- Advanced load sensor sensing through advanced electronics.
- Highly sensitive load sensor
- Rugged and robust body
- Twin column Structure for Extended protection and precision
- Safety limit switches for over travel safety
- Highly accurate micro-controller based system controls
- Peak Hold facility available
- Microprocessor based easy operation
- Programmable control system
- Lead screw mechanism

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- Over load safety mechanism for Protection of load cell
- Load v/s elongation (stress v/s strain) report generation
- Precise elongation feature
- Powder coated corrosion resistant structure
- Ergonomically designed structure
- Computerized software inbuilt
- Pass/fail test report generation

Optional features available-

1. Computerised software
2. Customised pneumatic grips
3. Speed drive/ speed controller