

## Tensile Testing Machine Panorama Computerized

Tensile Strength Tester is one of the most used instruments in the packaging industry.

The Tensile Strength Tester helps in calculating the tensile force which acts on the specimen. During the test the specimen is placed between the clamps. The clamps are then separated automatically. Due to the separation, force applied on the specimen leads to destruction.

The Testronix Tensile Strength instrument hence records the peak value at which the destruction took place and displays it on the digital display.

This instrument offers highly accurate values to the users. This makes the instrument user friendly and adaptable.



*Various standards are adhered to which are as follows:*

*ASTM D412, ASTM D429-73, ASTM D624, ASTM D638-01, ASTM D76, IS 13360-5-7, IS-3400*

### **Specifications-**

- Accuracy –  $\pm 2\%$  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

### **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

### **Additional features:**

1. Microprocessor based easy operation
2. Programmable control system
3. Lead screw mechanism
4. Over load safety mechanism
5. Protection of load cell
6. Load v/s elongation ( stress v/s strain) report generation
7. Precise elongation feature
8. Powder coated corrosion resistant structure
9. LED digital display 64bit
10. Ergonomically designed structure



#### Benefits of lead screw mechanism

- Noise free operation
- Extended load bearing capacity
- Friction less movement
- Less maintenance
- Increases durability

#### Capacities available

Capacities (Kg.)	Least Count
5	1gm
10	1gm
20	2gm
50	5gm
100	10gm
250	100gm
500	200gm
1000	500gm

