



TENSILE TESTING MACHINE COMPUTERIZED



BTFT - C SERIES

These models are suitable for testing metals and iron, Plastics, Rubber, Ceramics, Fabrics, Composites, Cables and wires.

Load is measured through a strain gauge based Load Cell and elongation is through rotary encoder. Depending upon the customer's requirement a suitable type of grips is available. Extra Load cell can be offered suitable for low load samples.

**TECHNICAL SPECIFICATIONS: -**

Max. Capacity	2500N	5000N	10kN	25kN	50kN
Measuring range	0-2500N	0-5000N	0-10kN	0-25kN	0-50kN
Ranges Least Counts	0.125N	0.25N	0.5N	1.25N	2.5N
Elongation Scale L.C.	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm
Grip separation without Grip :Min Max	25mm750mm			25mm600mm	
Variable speed Drive step less variation	5to300mm/min				
H.P.(for standard speed)	1Hp		2hp		
Supply	3Phase, 415Volts, 50HzAC				
Over travel Safety	Provided with each model				

SOFTWARE FEATURES: -

- Menu driven form system with color graphs to compare sample test results.
- Test details and reports are stored in database
- User programmable master test templates
- User can select test from master test Templates and can start similar test
- Load and Elongation is continuously displayed on screen
- Over load protection for machine by electronic control
- Tare Load and Reset Elongation facility available
- User selectable sample break detect condition
- Load rate and strain rate are also displayed while testing
- Unlimited Load rate and strain rate control steps*
- With Load rate controller, user can hold the load on specimen for unlimited time*
- With Load rate control, user can specify positive or negative Rate of Loading*