

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 strain gauge based Load Cell and elongation is through rotary encoder.

Depending upon the customer's requirement a suitable type of grips are available. Extra Load cell can be offered suitable for low load samples.

BANBROS ENGINEERING PVT. LTD.

49/39, Site IV Industrial Area, Sahibabad,
Ghaziabad - 201010, Uttar Pradesh

Phone: +91 - 0120 - 4556371-76

Email: info@banbrosindia.com, sales@banbrosindia.com

The Precision Measurement People

www.banbrosindia.com

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	25mm 750mm			25mm 600mm	
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*

BANBROS ENGINEERING PVT. LTD.

49/39, Site IV Industrial Area, Sahibabad,
Ghaziabad - 201010, Uttar Pradesh
Phone: +91 - 0120 - 4556371-76
Email: info@banbrosindia.com, sales@banbrosindia.com

- User selectable units for load and displacement (kg,kN,N,lbf,mm,cm,inchetc.)
- Results and graphs are automatically displayed accordingly.
- Online display of Load and Displacement (Stress, Extension, Strain)etc. while test is conducted
- Provision of auto zeroing of Elongation at preload set by user
- User Programmable Reports. User can select Header, Footer, Specimen information, Dimensions, Test information, Test results, Stastical analysis as per his need.
- Generated reports can be exported to PDF file and can bee-mailed
- If electronic extensometer is used then proof stress values from 0.1% to1% can be determined
- Software will give alert to user to remove extensometer when load crosses .2% of Gauge length selected then proof load value is calculated.(With extensometer)
- Separate graph of extensometer and encoder is displayed
- Provision of calculation of Load and Elongation at yield, Peak load and Load at break, Yield stress, Ultimate stress etc.
- Special software for tensile, compression, bend, TOR steel and other tests software as per customer requirements.