



**BANBROS ENGINEERING PVT. LTD.**

The Precision Measurement People

# DIGITAL COMPRESSION TESTING MACHINE



## **BFHCT-D**

**DESCRIPTION: -**

Compression Testing Machines are used in various industries like construction, rubber, spring manufacturing and similar other industries where compressive strength of the material is to be tested. Our Compression Testing Machine is equipped with hydraulic loading, available in load capacity from 100kN to 2000kN.

The loading is with the hydraulic system and the measurements are using the state of art digital control panel. Test results are displayed on the DRO which can be transferred to the computer for further analysis

**FEATURES: -**

- Sturdy Lead Frame with precision Hydraulic control
- Precision strain gauge type pressure cell for Load measurement
- Displacement measurement by encoder
- Supports compression transverse test
- Very easy to setup the test with user friendly software
- Testing of various spring designed is possible.
- PC based software for capturing test data parameters like load vs displacement
- Online graphic display for load vs Displacement

**TECHNICAL SPECIFICATION: -**

Parameter's	Specification				
Model	BFHCT-10-D	BFHCT-20-D	BFHCT-40-D	BFHCT-60-D	BFHCT-100-D
Maximum Capacity (kN)	100	200	400	600	1000
Resolution with electronic system (kN)	0.005 upto 20 0.025 above 20	0.01 upto 40 0.05 above 40	0.02 upto 80 0.1 above 80	0.03 upto 120 0.15 above 120	0.05 upto 200 0.25 above 200
Table size (mm) LxW	2400 x 250	2400 x 400	2650 x 460	2650 x 500	2650 x 500
Clearance for compression test (mm)	0 – 400	0 – 650	0 – 750	0 – 800	0 – 800
Distance between supports (mm)	500 – 2150	650 – 2150	850 – 2300	850 – 2300	850 – 2300
Ram stroke (mm)	100	200		250	
Straining speed at no load (mm/min.)	0 – 300	0 – 150	0-150	0-100	0-100
Least count of deflection on DRO	0.1				
Power (HP), Voltage(V), Phase	1.5HP, 415V, 3Phase	2HP, 415V, 3Phase		1.5HP, 415V, 3Phase	
Standard	Comply with ISO or other standards ISO7500, ISO6892				