



FLEXURE TESTING MACHINES

These machines are designed to conform to the essential requirements of IS 9399-1979 or on request IS 516. It can test beams of 100 mm and 150 mm square cross sections.

●● HC44.02

100 kN Flexure Testing Machine (Hand Operated)

This model is hand version model comprising of a four pillar loading unit with a jack at the base. The top of the jack carries the table for the beam and has two rollers whose center distance can be adjusted to suit cross sectional area of sample beam. Top plate has an adjustable seating and a member with two rollers.



HC44.02

●● HC44.03

100 kN Flexure Testing Machine Motorised

It is same as HC44.02 except that it has a motorized unit. The unit have a load gauge for the indication of breaking load of the beam. Operates on 220volts single phase AC supply.

●● HCM 544.03

Electronic Flexure Strength Testing Machine

Same as HC44.03 except that the system is provided with electronic readout unit instead of load gauge. Read out unit has facility for peak hold in addition to auto



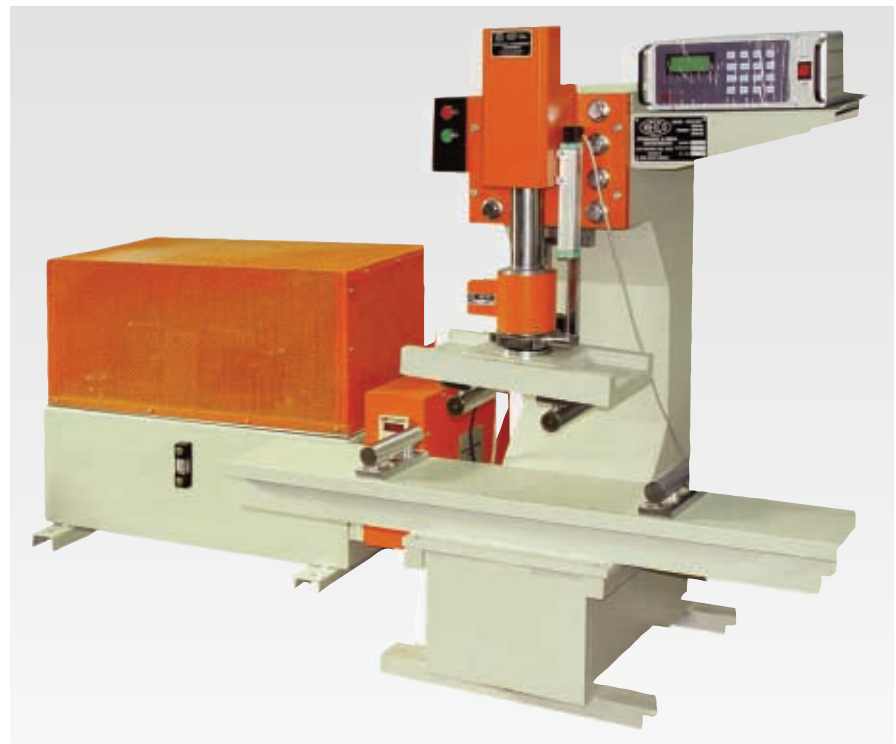
HCM 544.03

ranging of the load displayed in kN. RS232 is provided as standard, which can be coupled to the computer through serial port.

●● HCA644.05

100 KN Flexure Testing Machine with Auto Pacing System

It is a state-of-the-art machine. Total control of the machine is through the key board. Entry of the pace rate either on stress or strain basis is programmed through the key board. In the process of the test, readings are displayed on the digital display along with pace rate indication. Once the specimen brakes the ram retracts to its original position. The accuracy of the displayed reading is as per IS 1828 Grade I or BS 1610 Grade 'A'. Machines can also be supplied to meet the norms of BS 1881. The system operates on 220 volts, single phase supply.



HCA644.05