



As per IS:516, BS:1881 and ASTM C78, EN 12390-5, AASHTO T22, Fully automatic test execution. Controllable pace rate from 0.03 KN/Sec to 10 KN/Sec

Automatic Test Execution:

Once the machine has been switched on, the specimen positioned and centered, the only required operations are:

Set test parameters including load rate:

- Press the start button
- The machine automatically: starts the rapid approach; switches to the test speed once the specimen comes into contact with the upper platen; automatically stops the motor upon specimen failure
- Save the test including data results .
- The test execution conforming to Standards can be easily proved.
- Working on 240V, 50 60Hz, single phase.
- Dual stage pump assuring fast piston approach and precise test execution
- Test execution conforming to EN 12390-5, ASTM C78, AASHTO T22
- Controllable pace rate from 0.03 KN/Sec to 10 KN/Sec.
- Auto stop after completion of each test.
- Soft platen to specimen contact and smooth load rate control from the very beginning of the ramp
- Servo motor driven machine
- Auto calculation of the flexural strength after the failure of the sample.
- Calculation is done after failure of the sample by sending the distance of the nearest roller from the crack.

Frame:

- High stiffness welded frame tested for stability.
- Heavy duty spherical seat, allowing initial free alignment at the initial contact with the specimen and automatic jamming up to the end of test.

Note: Specifications are subject to change.

- Piston travel limit switch (Extra cost)
- Emergency stop button
- Servo motor driven machine
- Gives live online graph on the 7" touch screen
- User friendly large graphical display
- Saves 50 results in the 7" touch screen
- Inbuilt USB drive to save the data.

Salient features of data manager PC software (Optional at extra cost.):

- Two way communication i.e machine operates from computer and from the touch screen controller both (Stat, stop, save data and save graph)
- Results directly saved in excel file.
- Graph also saved in excel file.
- Capable to save customer name, other details of customer, ageing of beam moulds, identification mark of the beam moulds, date and time of testing
- Capable to print direct report from the computer.
- Capable to select different test parameters like pace rate, sample size and area from the computer (software)
- Capable to select different type of tests, like flexural, CTM, aggregate crushing etc.

Note: It is recommended to use the machine with 3 KVA servo stabilizer

Technical Specification	
Capacity	100 Kn
Diameter of rollers	38 mm Dia
Ram Dia in mm	90 mm
Ram Travel in mm	50 mm
Weight approx in kg	250 Kg
Least count	0.001kN
Controller	7" touch screen controller
Accuracy	1% or better
Pace rate controlling accuracy	2% or better
Overall Dimensions	430 X 760 X 1150 (L X W X D) mm
Net weight (in kg)	250 kg

Note: Specifications are subject to change.