

### CONCRETE & HIGHWAY LABORATORY

1. COMPACTION FACTOR APPARATUS
2. VEE BEE CONSISTOMETER
3. SLUMP TEST APPARATUS
4. FLOW TABLE
5. VIBRATING MACHINE
6. LABORATORY CONCRETE MACHINE



#### ***Introduction:***

Although generally not such an important property of concrete than compressive strength, tensile strength values are often important to know when the concrete used free of reinforcement and may be subjected to some tensile force. The test method essentially involves applying a load at the centre of a beam of concrete supported at its ends. The load required to break the specimen is then recorded.

#### ***Specification:***

The machine consists of a motorized load frame. The lower platen has two rollers, the distance between which is adjustable. For 150 mm x 150 mm x 700 mm beam, the centre distance between the rollers is 600 mm, while it is 400 mm for beams of size 100 mm x 100 mm x 500 mm. The upper platen has also a pair of rollers whose distance adjustable

Hand operated version consists of a load frame. A small hand pumping unit is attached to the load frame. Since this is a hand operated light weight machine. It is useful for field laboratory also.

#### ***Optional Accessories(With Extra Cost):***

- Spare Oil seal
- Hydraulic Oil ( tin of 5 ltrs)
- Beam Mould 10 X 10 X 50 cm
- Beam Mould 15 X 15 X 60 cm
- Beam Mould 15 X 15 X 70 cm
- Beam Mould 15 X 15 X 75 cm
- Trowel
- Concrete Scoop



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