

**Specifications:****BS 1377-2 , ASTM D 4318****The equipment consists of :**

- **Brass Cup:** A standardized, removable brass cup that holds the soil sample. It is mounted on a carriage designed to lift and drop it exactly 10 mm (centimeter) onto the base.
- **Cam and Carriage Mechanism:** A precision-machined cam that lifts the cup and allows it to drop freely from the correct height.
- **Geared Motor:** An enclosed motor that automatically drives the cam and carriage at a precise, uniform speed of 1.9 to 2.1 drops per second.
- **Mechanical Revolution Counter:** A digital or mechanical counter attached to the drive shaft that automatically records the exact number of cup drops.
- **Hard Rubber Base:** A specially molded base with specific hardness, size, and density requirements to ensure consistent impact force.
- **Mounting Plate/Rubber Feet:** The entire assembly is usually mounted on a heavy metal base plate equipped with rubber feet to isolate it from the testing table and reduce vibration.
- **Grooving Tool and Gauge Block:** Usually accompanying the machine is a **Casagrande grooving tool (available in metal ) used to create a standard-sized groove in the soil, and a gauge block used to calibrate the 10 mm drop height.**

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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