



**EIE INSTRUMENTS PVT. LTD.**  
(An ISO 9001:2015 Certified Company)

## LOS ANGELES ABRASION TESTING MACHINE - WITH PRESETTABLE DIGITAL COUNTER

### Compliance Standards:

IS 2386 - IV, ASTM C135, IS 10070-1982

### Applications:

This machine is used to find the percentage wear due to relative rubbing action between the aggregates and steel balls used as abrasive charge. The oven-dried aggregates are weighed and rotated along with abrasive charge in the machine for the 500 or 1000 revolutions and percentage of wear so found out is reported Los Angeles abrasion value.

1. The machine consist of a hollow steel cylinder, closed at both ends, having inside diameter of 700 mm and inside length of 500 mm
2. The cylinder will be mounted on a sturdy shaft with ball bearings on support, about which it rotates on a horizontal axis.
3. An opening will be provided in the cylinder for pouring the test sample.
4. A removable cover of the opening with a sturdy pad shall be provided with bolts and nuts to close it dust tight.
5. A removable steel shelf projecting radially 8.8 cm into the cylinder and extending to the full length of it, will be mounted on the interior surface of the cylinder rigidly, parallel to the axis.
6. **The shelf will be fixed at a distance of 125 cm from the opening, measured along the circumference in the direction of rotation.**
7. **The drum will rotate at a speed of 30-33 RPM by an electric motor through a heavy duty reduction gear.**
8. It will be fitted with Pre-settable Electronic revolution counter and push button starter.
9. It will be supplied complete with a Galvanized Tray for collection of material.
10. **It will be supplied with abrasive charge of 12 nos. cast iron or hardened steel spheres, each of approximately 48 mm diameter and 390 to 445 gm in weight.**
11. Weight : 375 Kg approx



Click here for working video : <https://www.youtube.com/watch?v=YqthILRTkAs>

### Technical Specification

- Overall Dimensions : 970 X 1060 X 1020(L X W X D) mm
- Weight (Approx.) : 375 Kgs Approx.

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