



Ball Mill (SMT-PT-01)

The ESOLS laboratory ball mill provides operators with a wide choice. The range includes both small laboratory units to handle single containers as well as multitiered units capable of accommodating milling containers up to nominal capacity. The model can be supplied with variable speed control and accessories for use with the mills include various types of grinding media, screens, pourers, and tipping stands for straining the contents from the mill pots. This equipment is a useful compliment to any ball milling operation where several samples may be being processed at any one time.

TECHNICAL SPECIFICATIONS

Specifications:

- Feed Size: 6 mm Approx.
- Ball Mill Diameter: 275 mm
- Ball Mill Length: 350 mm
- Ball Mill Thickness: 5 mm
- Product Size: 200 Mesh
- Motor Power: 1 HP
- Power: 1 kW
- Voltage: 220V AC
- Power Source: Electric
- Phase: Single Phase
- Revolutionary Counter: Mechanical Type
- Control Panel Comprises of Energy Measurement: Electronic Energy Meter
- Mcb: For Overload Protection
- Standard Make On/Off Switch, Mains Indicator Etc



Experiments:

- To study Effect of Rpm on The Power Consumption of a Ball Mill.
- To determine the Efficiency of a Ball Mill for Grinding a Material of known W_i .
- Utility Required.
- Raw Material for Feed.
- Set of Sieves with Sieve Shaker for Analysis.