

Trommel (Variable Speed)



Product Categories: [Engineering Equipment](#), [Mechanical Operation Lab](#)

Product Page: <https://www.labappara.com/product/trommel-variable-speed/>

Product Description

Trommel (Variable Speed)

DESCRIPTION :

Trommel or revolving screens consists of a cylindrical screen rotated about its axis.

Simple Trommel

may be arranged in series with oversize of the first passing to the second Trommel and the oversize of the second passing to the third, etc. They are quite efficient for coarse sizes. The inclination of Trommel varies depending on the nature of material to be processed. The present Trommel is built with screens of different sizes throughout their length, the feed entering at the end of the finest screen. In this way it is possible to collect materials of different size range from a single Trommel. Drive to the central shaft is given through a variable speed motor coupled to reduction gearbox. Drive is provided for conducting the experiment at varying speed. Set-up is complete in all respect with guards, bins and control panel. A special arrangement to change the angle of inclination of the Trommel is made.

TECHNICAL DETAILS :

Trommel : Dia. 200-mm, Length 1000-mm (approx.)

Sieves : 3 Nos. of different mesh size.

Drive : Variable Speed Motor and Drive speed coupled with reduction gear box.

Feed Hopper : Compatible Capacity.

Collecting bins : 4 Nos. of suitable capacity.

Control panel Comprises of:

RPM Measurement : Non Contact type Proximity sensor with Digital RPM Indicator
Standard make On/Off switch, Mains Indicator etc.

Special arrangement for changing the angle of inclination.

An ENGLISH instruction manual consisting of experimental procedures, block diagram.

The whole set-up is well designed and arranged on a rigid structure painted with industrial PU Paint.