

Product Name :
Screw Conveyor

Product Code :
NLAB-TECHNICALAB31017



Description :

Screw Conveyor

Technical Specification :

The screw conveyor is one of the oldest and most versatile conveyor types. These are compact, requiring little headroom and no return mechanism. The material is also mixed as it passes through the conveyor. Screw or helical flight conveyors consists of a steel shaft having a spiral or helical fin fastened to the shaft and rotating in a trough without touching the through, so that the helical fin pushes the material along the trough. The shaft is driven by a motor coupled with a reduction gearbox

Experimentation:

To study the working of Screw Conveyor.

To study the effect caused by changing the angle of inclination.

Utilities Required :

Material for Feed.

Electric Supply : Single phase, 220 V AC, 1 kW.

Floor Area 1 m x 1.5 m.

Technical Details :

Trough: Material Stainless Steel Length 750 mm.(Approx).

Screw: Material Stainless Steel Dia 75mm, Length 750mm., Pitched Scale 75mm

Central Shaft for Screw: Material Stainless Steel, Length 750mm.

Drive: ½ H.P. motor coupled to a Reduction Gearbox & 3 step pulley to get different RPM.

Feed Hopper: Suitable capacity with feed control arrangement.

Bins: 2 Nos. Collecting Bin and Distributing Bin

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