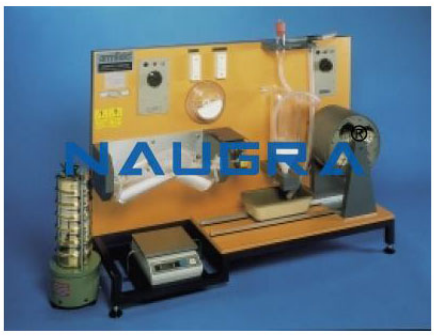
Product name:	Product code:
Solids Handling Study Bench	NEECHL0249



Description

Solids Handling Study Bench

Technical specification

V-Blender, total volume: 1 l.
Motor for the V-Blender, range: 18 rpm, (timer: 60 min.). Blowing and ejector.
Compressor.
Glass cyclone (inlet diameter: 10 mm.), and pneumatic conveyor. Transparent horizontal angle of repose rotary cylinder with protractor. Cylindrical hoppers (capacity: 100 cc.) with different size of exit orifices.
Collecting tray.
Balance (scale). Graduated test tube. Control panel:

- V-Blender ON/OFF switch.
- Sieve shaker ON/OFF switch.
- Balance (scale) ON/OFF switch.
- Compressor ON/OFF switch.
- Ball Mill ON/OFF switch.
- Ball Mill speed regulator.
- Main switch.

Cables and accessories Manuals
-Dimensions: 1020 x 850 x 1700 mm approx.
(40.16 x 33.46 x 66.93 inches approx.)
-Weight : 200 Kg approx. (441 pounds approx.)
Installation & Basic operational training included

Solids Handling Study Bench/ FlowPropertiesofBulkSolids

- The flow and handling characteristics of granular materials are relevant to many process industries, particularly in the handling of powders, pellets, crystals and aggregates.
- The Solids Handling Bench introduces students in the behaviour of granular materials

Demonstration capabilities. This unit should enable to develop and analyze the follwoign subjects:
1.- Sieving test apparatus. 2.- Equipment for analysis by sieving. 3.- Study of size reduction. 4.- Classification study according to the size. 5.- Milling: Ball mill. Observation of the comminution of solids processed through ball mil, 6.- Study of the angle of repose and demonstration of stratification, 7.- Study of the apparent density.,8.- Study of the effect of mixture content, 9.- Determination of bulk solids parameters of density, 10.- Solids unloading study in hoppers, 11.- Cyclone operation. Solids separation, 12.- Pneumatic conveying, 13.- Study of solids mixing, 14.- Solids weighing, 15.- Mixer operation., and 16.- Sieves operation.
Technical Charactersitcs required:
It should incorporate with:
1 a Unit which should:
a Bench with anodized aluminum structure and metallic panels, and with wheels for its mobility.
With Main metallic elements of stainless steel.
Ball mill with variable speed and various sizes of balls. Total volume: 5 l., capacity: 1.25 l.
Motor for the ball mill.
Vibratory shaker and a set of eight sieves with several hole mesh, from 2 mm to 0.063 mm.

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