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Product Brochure



SIEVING SERIES

Small laboratory screening machine

ZDS

Small laboratory vibrating screen for particle size analysis using test sieves, replacing manual sieving in labs.

<https://www.labballmill.com/products/sieving-series/small-laboratory-screening-machine.html>

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Product Overview

Small laboratory vibrating screen for particle size analysis using test sieves, replacing manual sieving in labs.





Product Introduction

The vibrating screen, also known as the vibrating screen machine, is a machine that cooperates with the test sieve to analyze the particle size of materials and replaces manual screening. It is widely used in dry and wet screening and filtration of materials in food, medicine, metallurgy, building materials, chemicals, cement, glass, grain, ceramics, papermaking and other industries. It has the advantages of stable vibration, large exciting force, stable performance, fast screen changing speed, light weight, simple operation and easy maintenance. The basic principle is to use the weights (uneven weights) installed on the upper and lower ends of the motor shaft to convert the rotational motion of the motor into horizontal, vertical, and tilted three-dimensional motion, and then convey this motion to the screen surface. If the phase angle of the upper and lower weights is changed, the traveling direction of the raw material can be changed.

Technical parameters

Device model	ZDS-200
Motor power	0.1kW
Equipment voltage	Single phase 220V 50Hz
Vibration frequency	3000r/min
Control method	Timing control
Maximum sample size	2kg
Maximum number of stackable screens	7 (50mm high)
Equipment dimensions	About 340x340x670mm
Equipment weight	30kg

Product Features

1. The network layer can be quickly replaced without any tools. The number of network layers can be up to 8.;
2. It can be equipped with an automatic control timer and can be set from 1 to 30 minutes. ;
3. Any powder, liquid or granular form can be used ;
4. The screen powder will not fly, the liquid will not spray randomly, and the particles will not jump ;
5. Use mesh size from 3.5 mesh to 400 mesh.

Accessories & Customization

Accessories

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

Customization

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.