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Product Brochure



SIEVING SERIES

3D rotary vibrating screen

ZS

3D rotary vibrating screen drives 3D motion via vertical motor, adjustable phase angle controls material path.

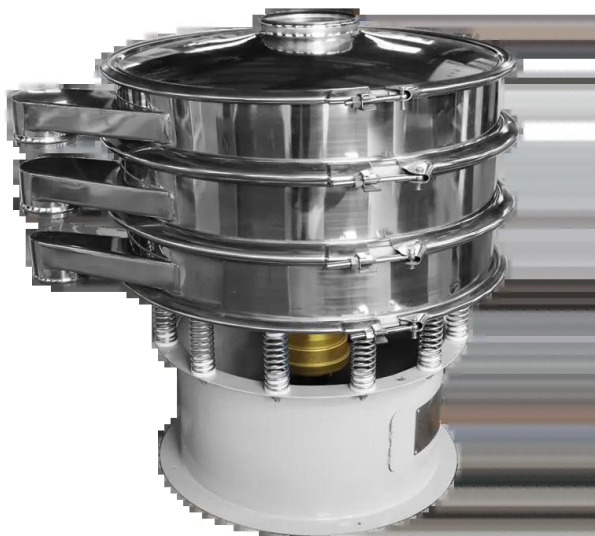
<https://www.labballmill.com/products/sieving-series/3d-rotary-vibrating-screen.html>

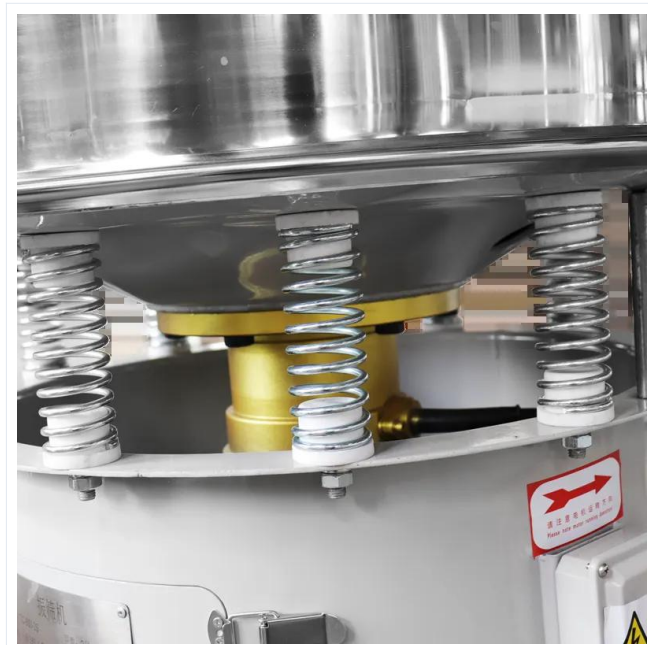
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Product Overview

3D rotary vibrating screen drives 3D motion via vertical motor, adjustable phase angle controls material path.





Product Introduction

The three-dimensional rotary vibrating screen uses an upright motor as the excitation source. Eccentric weights are installed on the upper, lower and both ends of the motor to convert the rotational motion of the motor into horizontal, vertical and tilted three-dimensional motion, and then transfer this motion to the screen surface. Adjusting the phase angles of the upper and lower ends can change the movement trajectory of the material on the screen surface.

Screening Series

Vibrating Sieve / Details



Feed Inlet



Viewing Port



Outlet



Screen Cleaning Device



Clamp Ring



Base



Screening Series

Vibrating Sieve / Factory Photos



Technical parameters

model	Effective diameter (mm)	Effective screening area (㎡)	Number of screening layers	Maximum material size (mm)	Screen specifications (mm)	Vibration frequency (r/min)	Double amplitude (mm)	Vibration force (N)	Motor power (Kw)	Screening efficiency%	Production (flour) kg/h
ZS-600	560	0.23	1-5	50	0.02~50	1440	2~3	5000	0.55	85-95	85-95
ZS-800	760	0.44	1-5	50	0.02~50	1440	2~3	8000	0.75	85-95	85-95
ZS-1000	930	0.68	1-5	50	0.02~50	1440	2~3	10000	0.75	85-95	85-95
ZS-1200	1130	1	1-5	50	0.02~50	1440	2~3	15000	1.1	85-95	85-95
ZS-1500	1430	1.60	1-5	50	0.02~50	1440	2~3	30000	2.2	85-95	85-95
ZS-1800	1750	2.4	1-5	50	0.02~50	1440	2~3	50000	2.2	85-95	85-95

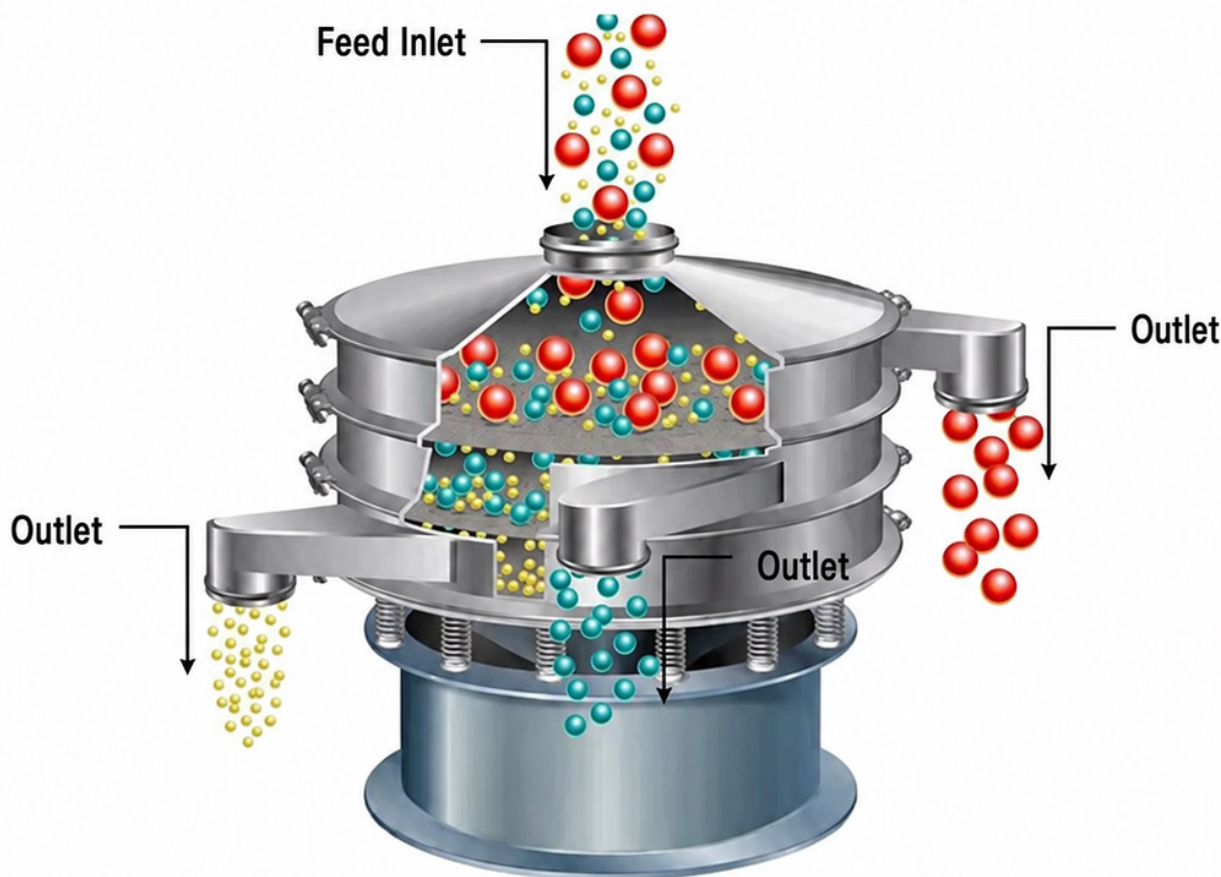
Working Principle

The three-dimensional rotary vibrating screen uses an upright motor as the excitation source. Eccentric weights are installed on the upper, lower and both ends of the motor to convert the rotational motion of the motor into horizontal, vertical and tilted three-dimensional motion, and then transfer this motion to the screen surface. Adjusting the phase angles of the upper and lower ends can change the movement trajectory of the material on the screen surface.

Screening Series

Vibrating Sieve / Working Principle

A vertical motor is used as the vibration source. Eccentric hammers are installed at the upper and lower ends of the motor to convert the motor's rotational motion into three-dimensional horizontal, vertical, and inclined movement, which is then transmitted to the screen surface. By adjusting the phase angles at the upper and lower ends, the movement path of the material on the screen surface can be changed.



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.