

## XZ Round Vibrating Screen



XZ Round Vibrating Screen is a kind of special and high precision screening and separating machine. The round vibrating screen is generally used for kinds of dry, wet and geometrical shapes material for sieving and separating. The granulation, powders and liquid can be separated into different size continuously through the different sieve mesh to achieve the material needed.

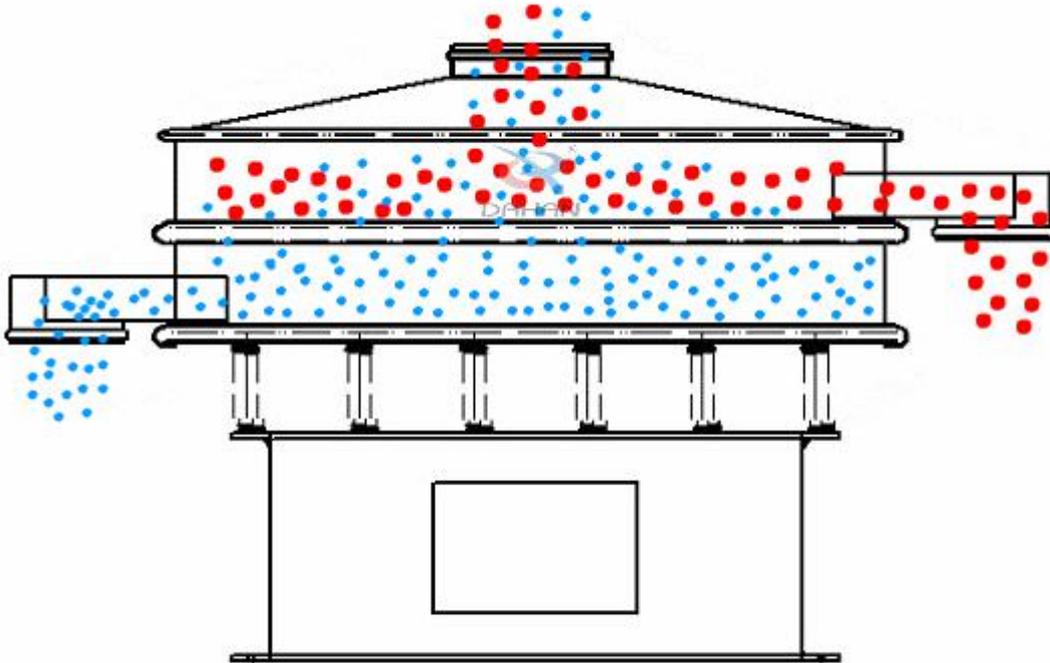
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## Working Principle



The round vibrating screen has vertical type motor as excitation source, and the motor has eccentric block at the top and bottom which makes the rotating of motor convert horizontal, vertical and inclined three- dimensional motion. Then the motor pass the motion into screen mesh and make the material diffuse outward gradually. Because of that, we call it round vibrating screen machine. The round vibrating screen has the advantage of long running track and high-usage screen. Adjust the phase angle of eccentric block can change the motion track to separate the material precisely. After starting, the eccentric block at the top and bottom of motor will generate a composite inertial force which force the screen rotary moving. The vibrating screen frame make reciprocating motion continuously under the shaking of

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motor and forward the screen mesh move cycling. The material on screen mesh made directional movement with screen box. In the process of moving, the material smaller than mesh size pass the mesh and fall to the under layer which called undersize, and the material bigger than mesh size separated through outlet, then the separating is completed. The function and running track of round vibrating screen as follows.

**Scope of Application**



XZ Series Round Vibrating Screen is widely used in chemical, medical, plastic, food, mining, environmental, grinding, ceramic, paper making industry and so on.

Food: Sugar, salt, alkali, gourmet, milk powder, soybean milk, yeast, juice, soy and vinegar.

**Paper making:** coating, coated slurry, black and white liquid, liquid waste, paper making waste water, water reclamation.

**Metallurgy:** titanium oxide, zinc oxide, electromagnetic material, metal powder and welding powder.

**Medical:** traditional Chinese medicine powder, traditional Chinese liquid, western medicine powder, western medicine liquid, Chinese and western medicine particles.

**Environmental:** rubbish, waste oil, foods waste water, waste water processing.

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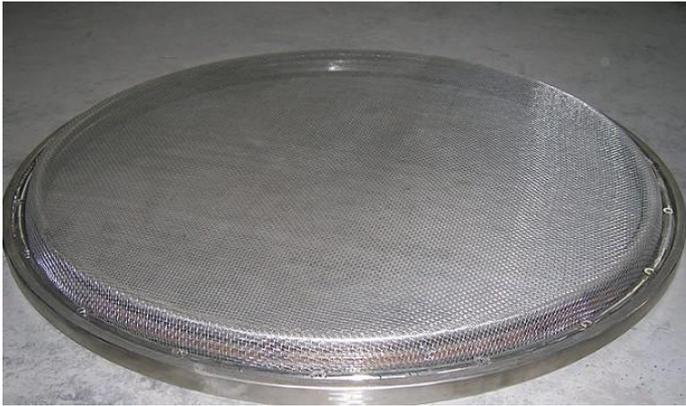
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## Structure

Round vibrating screen has a totally enclosed structure with high performance, low noise, free of dust and liquid free-running property.



**Wear resisting screen**



**Screen frame group**



**Sealing strip**



**Cleaning balls**

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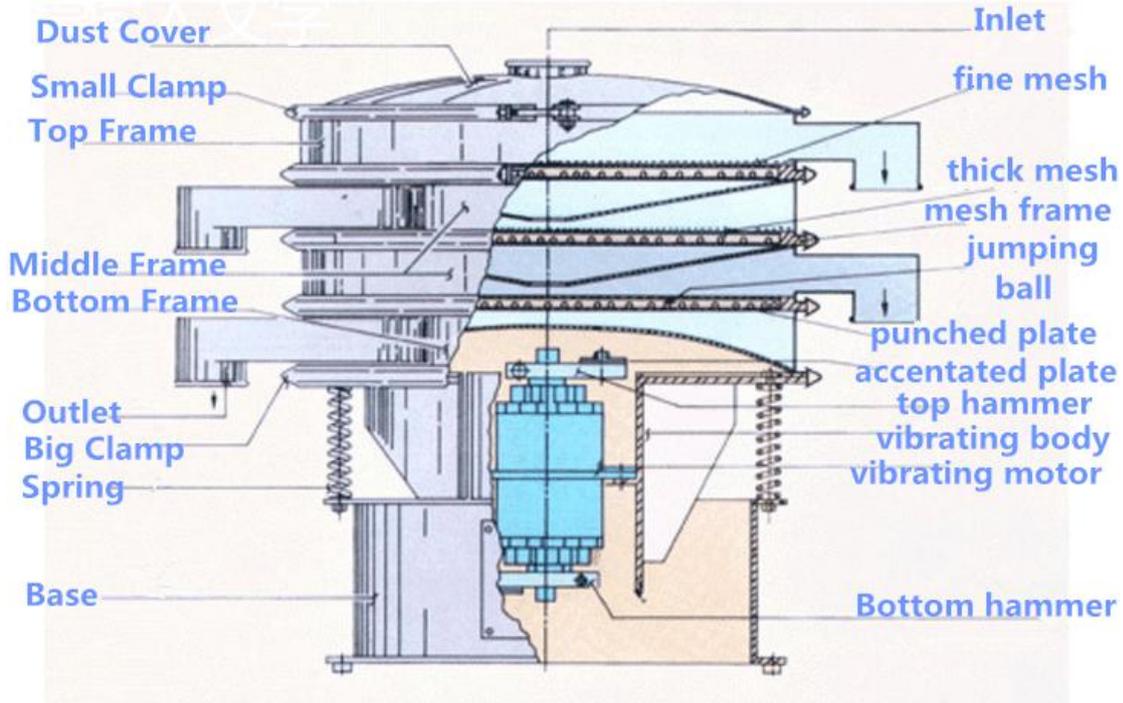


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### Diagram



## Features

High efficiency, reasonable design, suitable for any powders and mucilage.

Replace mesh, operate and wash easily.

Totally enclosed structure, never jam, no powder flying, the powder size can be separated between 500 mesh and 0.028 mm.

Discharge the impurity and coarse automatically and works continuously.

Unique screen frame design, wearable screen mesh, just 3-5min needed to replace the screen mesh.

Small volume, move easily.

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The highest layers of the screen can be reached 5 layers. But 3 layers are suggested.

### **Selection condition :**

To choose the most suitable model for you, please provide us with more material details as below:

#### **1. Material:**

- Material name: \_\_\_\_\_
- Feeding size: \_\_\_\_\_ mm
- Material density: \_\_\_\_\_ t/m<sup>3</sup>
- Material distribution: \_\_\_\_\_ %
- Separation destination: \_\_\_\_\_

#### **2. Screen machine**

- Capacity: \_\_\_\_\_ t/h
- Screen deck: \_\_\_\_\_

#### **3. Particle size distribution of each layer:**

- Opening size: \_\_\_\_\_ mm
- Construction material: \_\_\_\_\_

## **Products Pictures**

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