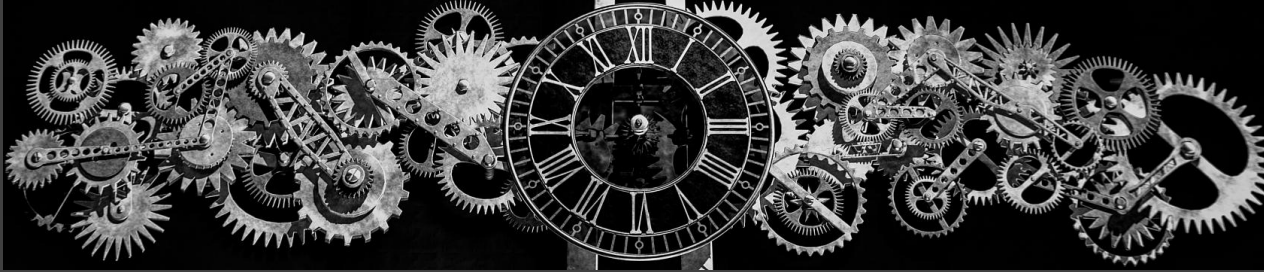


# HIGH FREQUENCY SCREEN

Dedicated to the screening needs of viscous and slurry materials

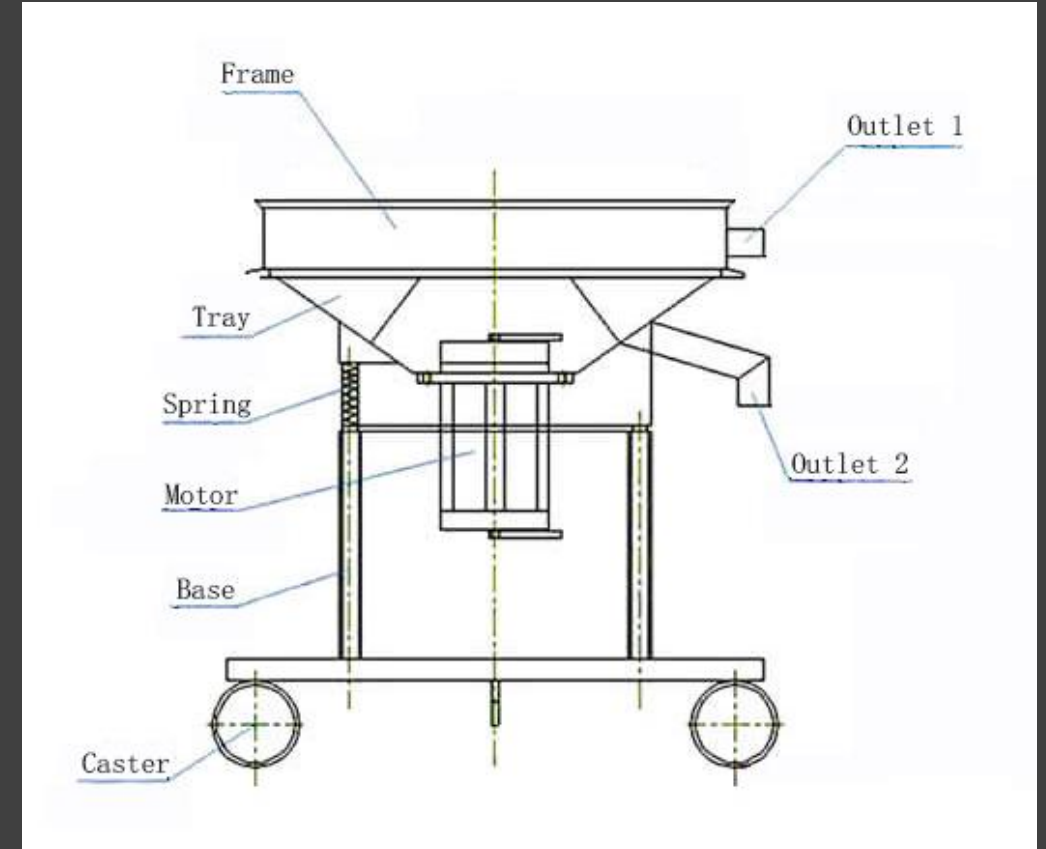
A high-frequency screen, also known as a high-frequency filter screen, is a type of solid-liquid separation equipment. Compared to the traditional 450 filter screen, its main feature is the use of high-frequency vibration technology, which allows for faster separation of solid-liquid mixtures and can handle finer solid particles, typically processing particles smaller than 10 microns. It is widely used in industries such as ceramics, oil, and slurry.





## WORKING PRINCIPLE

The high-frequency screen employs a two-stage high-frequency vibration motor with a rotational speed of up to 3000 RPM. The high-frequency vibrations generated by the motor quickly separate solid particles, thereby achieving solid-liquid separation. Due to the effect of high-frequency vibrations, the solid particles on the screen are continuously separated and removed, ensuring the smooth operation of the screen and maintaining separation efficiency.



Schematic



## DETAILS SHOW



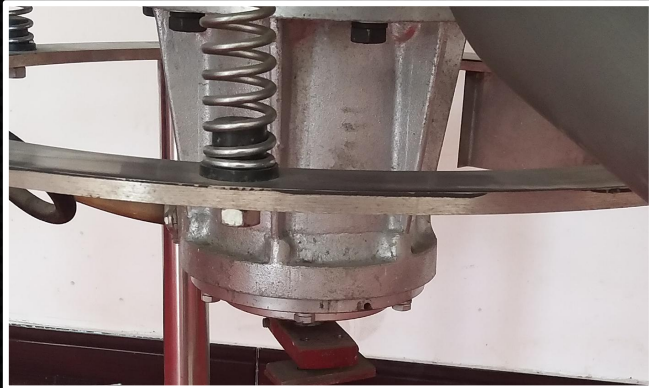
Inlet



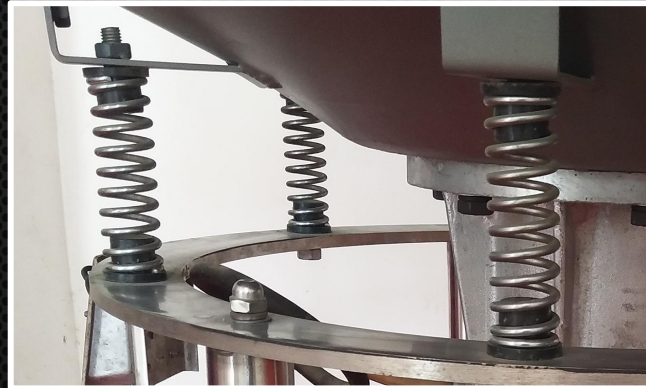
Beam



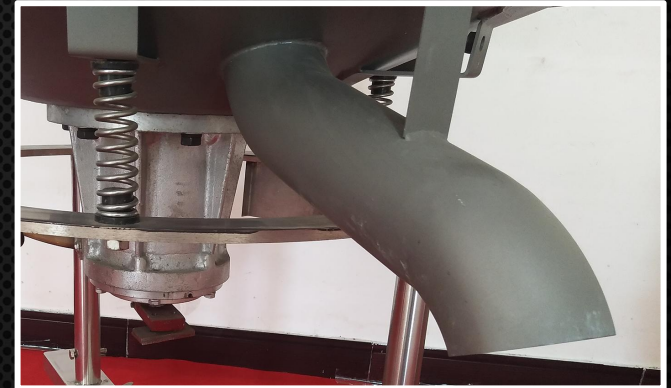
Exhaust port



Motor



Spring



Discharge port



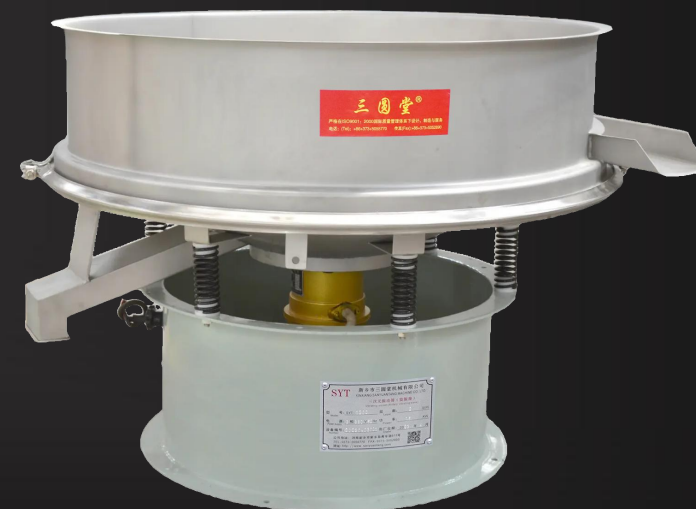
## PERSONALIZED CUSTOMIZATION



concise



edged type



open type



## FEATURES

### High-Frequency Vibration:

The high-frequency filtration screen employs high-frequency vibration technology. The vibrator generates high-frequency vibrations that act on the solid-liquid mixture on the screen, causing the solid particles to rapidly separate from the mixture on the screen.

### Energy Saving:

Due to its high separation efficiency and rapid processing capabilities, the high-frequency filtration screen requires shorter processing times, thereby saving energy.

### Handling Finer Particles:

It can process finer solid particles, typically capable of handling particles below 10 microns, whereas traditional 450 vibrating screens can usually only handle particles above 50 microns.

### Reduction of Impurities:

The high-frequency filtration screen uses high-frequency vibration technology to quickly separate solid particles, effectively removing impurities and improving the purity and quality of the liquid.

### High Separation Efficiency:

Under the effect of high-frequency vibrations, the high-frequency filtration screen can quickly and efficiently separate solid-liquid mixtures. Its separation efficiency is higher than that of traditional 450 filtration screens.

### Automatic Cleaning:

The high-frequency filtration screen is usually equipped with an automatic cleaning device that regularly cleans the screen, ensuring the normal operation of the equipment.



## SPECIFICATIONS

<i>Model</i>	<i>Power (KW)</i>	<i>Effective Diameter(mm)</i>	<i>Power (KW)</i>
<i>SY-600</i>	<i>1-3</i>	<i>580</i>	<i>0.55</i>
<i>SY-800</i>	<i>1-5</i>	<i>780</i>	<i>0.75</i>
<i>SY-1000</i>	<i>1-5</i>	<i>970</i>	<i>1.1</i>
<i>SY-1200</i>	<i>1-5</i>	<i>1170</i>	<i>1.5</i>



## APPLICATION

### Chemical Industry

They are applicable in the screening of plastic pellets, fertilizers, rubber, dyes, and other areas, can be used for screening chemical raw materials to remove impurities.

### Mining industry

They can be used for screening coal, metal ores, limestone, and other minerals, commonly used to separate coarse and fine particles and remove impurities from raw materials.

### Metallurgical industry

They can be used for the treatment of solid waste such as gas furnace slag and steel furnace slag, be used to screen slag, separating high-grade valuable metals or other valuable substances.

### Building materials industry

High-frequency screens can be used for screening sand, bricks, cement, ceramics, and other fields.



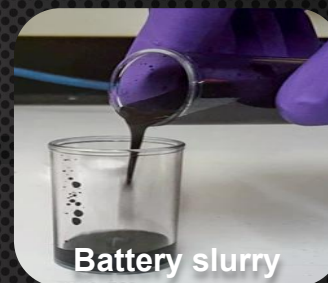
Soy milk



Juice



Slime



Battery slurry



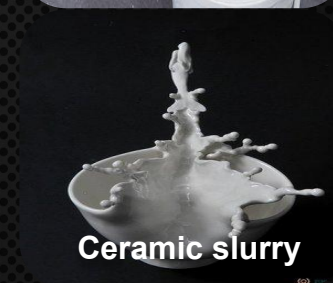
Glaze slurry



Seaweed liquid



Cooking Oil



Ceramic slurry



Paint

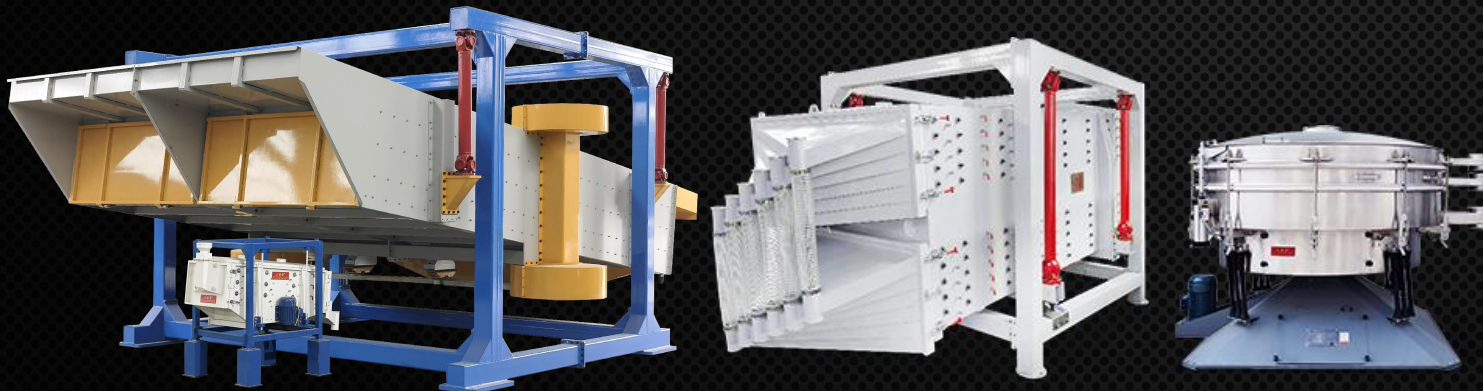


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