

ULTRASONIC ROUND VIBRATING SCREEN



The ultrasonic round vibrating screen is installed a ultrasonic device on the sieve mesh which makes superfine powder receive the giant ultrasonic acceleration to make the material on the mesh keep state of suspension and restrain the adhesion, friction ,wedging etc and improve sieving and cleaning efficiency.

The ultrasonic device can improve flat drop in the gravity settling (light touch between powder and mesh), slipping effect and the occluding and wedging of high-density metal on the mesh, solve the adhesion, easy aggregation, high electrostatic, fine, high density and light specific gravity screening problem to

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improve the sieving efficiency and quality. Show by the sieving through rate , it generally is able to increase the through rate of 50%-400% than one which is not a ultrasonic vibrating sieve.

Structure



Ultrasonic device improves screening efficiency and restrains the adhesion, friction and wedging

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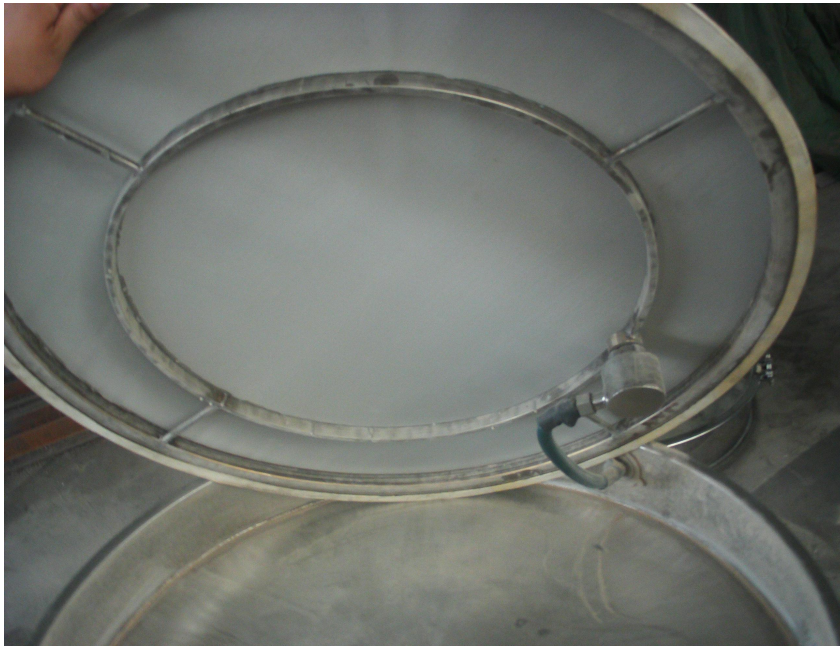
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Screen mesh can be separated much more finer material powders



Ultrasonic generator

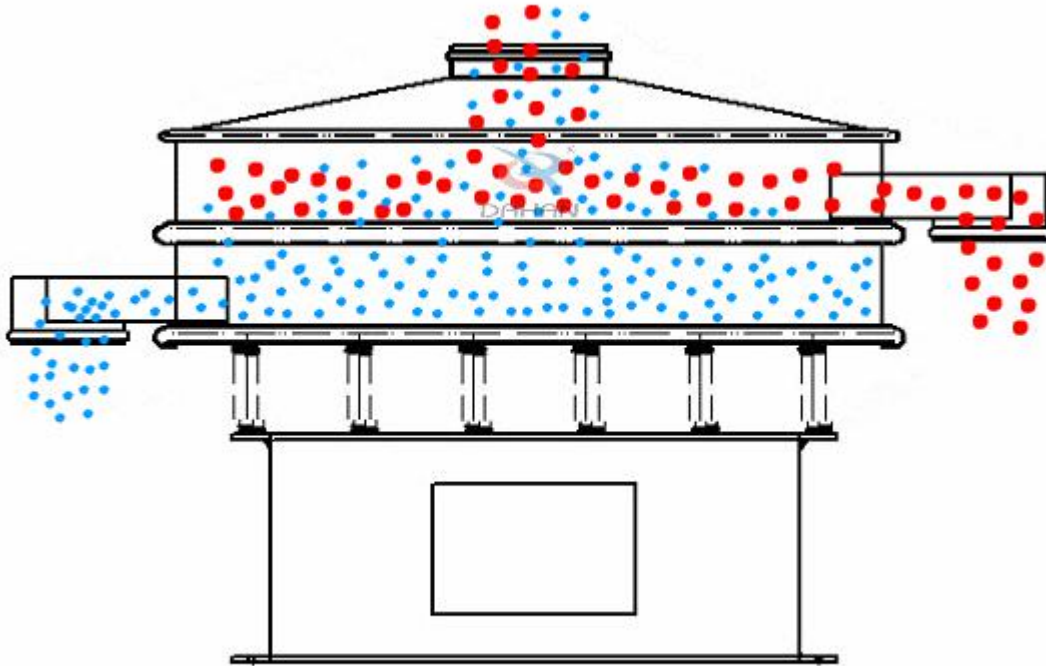
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Working Principle



The ultrasonic round vibrating screen is fixed one set ultrasonic screen frame on the basis of common XZ round vibrating screen. It make the ultrasonic wave convert high-frequency mechanical wave by ultrasonic power and ultrasonic transducer and pass on the surface of screen mesh so as to achieve good screening effect, especially suitable for the powder, superfine powder separating.

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Scope of Application



Ultrasonic 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.

Features

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Less or no net-cleaning time.

No assistant objects bring pollution to the powder body e.g. rubber ball.

Keep the size of mesh and make the sieving precision stable.

Disassemble the adhesion objects and reduce the objects on the sieve.

High screening efficiency

Specification:

Model	D600-B	D800-B	D1000-B	D1200-B	D1500-B
Diameter(mm)	Φ654	Φ800	Φ950	Φ1160	Φ1500
Efficient Diameter	Φ550	Φ750	Φ900	Φ1110	Φ1480
Net Specification	3 ~ 600 mesh				
Layer	1~2	1~2	1~2	1~2	1~2
Power (kw)	0.5	0.75	0.8	1.5	2.2

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Products Pictures



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