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Probabilistic square gyratory screen

Patented new product, large-capacity screening



The large-inclination swing probability vibrating screen is a specialized screening equipment, this structure is based on the compact square swing screen with a larger inclination angle, which makes the material discharge faster and is suitable for materials that are easy to screen, have larger particle sizes, and have higher output. It will be a replacement for the traditional probability screen.

- The maximum output per hour is 100 tons.
- Multiple clearing
- Good sealing





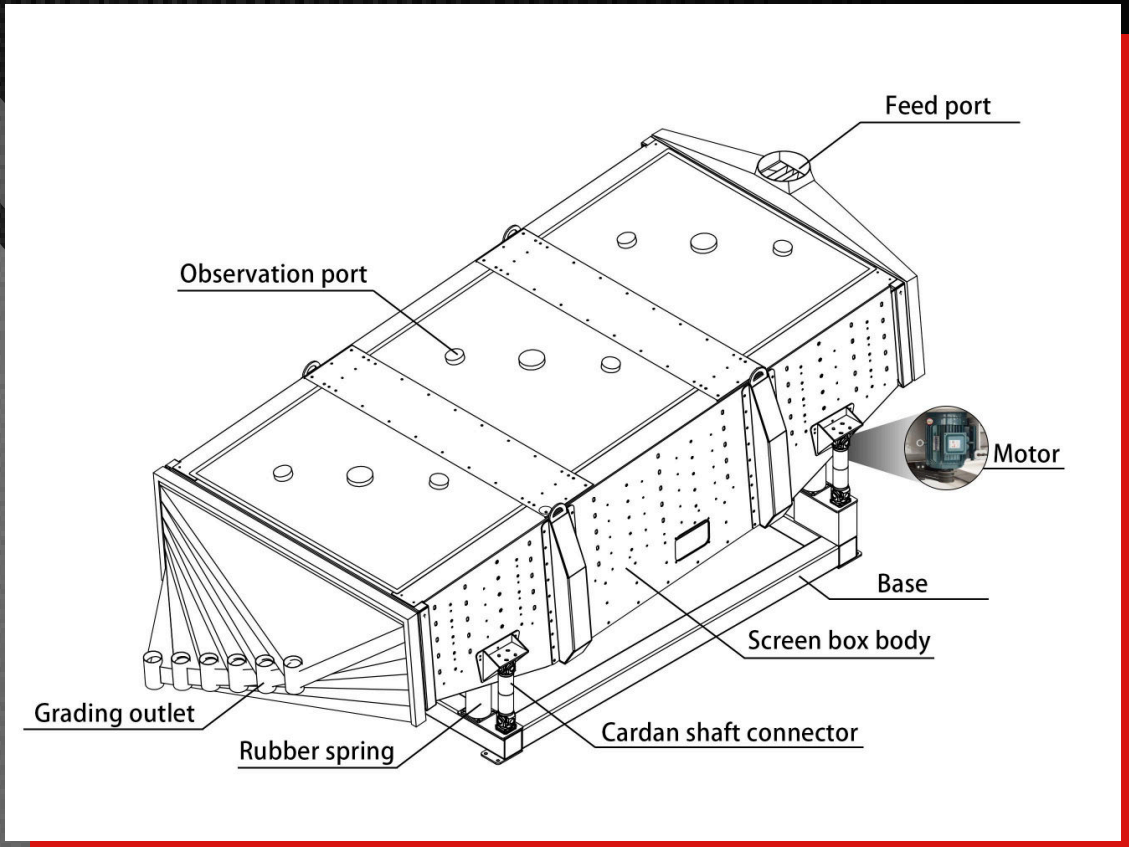


WORKING PRINCIPLE

- The swing probability vibrating screen works like a square gyratory screen, using the probability screening principle with multi-layer screens (3-6 layers), a large inclination angle 15°, and large mesh sizes.
- The swing probability vibrating screen operates by shaking the screen box back and forth, causing material to move in a gyratory motion. Smaller particles fall through the screen holes to the lower layer, while larger particles are discharged, completing the screening.

STRUCTURES

- **Screen box:** The main part of the swing probability vibrating screen, with built-in vibrator and screen, to achieve material screening through vibration.
- **Vibrator:** The power source, usually installed inside or near the screen box. Drive the screen box to swing, driving the screen to screen the material.
- **Screen:** Located inside the screen box, screens the material according to the particle size. The mesh size of the screen (i.e. the size of the screen hole) can be selected according to different screening requirements.
- **Support spring:** Located between the screen box and the base, it is used to support the screen box and reduce vibration transmission and noise.
- **Drive device:** Electric or hydraulic, produces a swinging motion to make the screen shake up and down.



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DETAILS SHOW


Discharge outlet

The Probabilistic Square Gyratory Screen exhibits a compact and stable square structure, with its sieve body crafted from high-quality materials and typically finished with a meticulous surface treatment, rendering it smooth and durable. During operation, the sieve employs a unique gyratory motion that ensures even distribution and efficient screening of materials on the sieve surface. The overall design is both practical and possesses a sense of modernity.


motor


Exquisite Riveting


Rubber Spring


Screen Mesh


Net-Cleaning Bounce Ball

FEATURES

Multi-Stage Screening

Multi-stage classification of machine-made sand or natural sand, the screening mesh size: 5mm~2.36mm~1.2mm~0.6mm, some special mortars have been screened to 0.3mm~0.15mm~0.075mm.

01

High Cost Performance

absorbing advanced technologies at home and abroad, continuous research and development and on-site verification, successfully replacing expensive imported equipment in the production line of dry mortar.

02

Large Output

The output of the probability screen can reach more than 100 tons per hour, and a single unit can complete the production capacity of multiple ordinary vibrating screens.

03

FEATURES

Custom Design On Demand

It can be designed as five-layer and multi-stage classification, fast net change, the rear end and front discharge port of the equipment are all detachable designs, and each layer of the screen can be quickly replaced.

01

Energy Saving And Environmental Protection

Fully enclosed structure, the upper cover of the probability screen equipment is designed with a dust removal device, which can be easily connected to the on-site dust removal equipment to meet the requirements of dust-free screening.

02

Large Electrostatic Spray Molding Process

Large electrostatic spray molding process, the equipment is more beautiful, wear-resistant, and rust-proof.

03



MODEL AND SPECIFICATIONS



Model	Screen size	Screening area	Screen inclination	Layers	Power	Number of turns	Case travel
FYBS1536	1.5*3.5 m	4.5-9 m2	5-8	1-10	5.5	180-260	25-60 mm
FYBS2040	2.0*4.0 m	8-9 m2	5-8	1-10	7.5	180-260	25-60 mm

Customized sizes are available upon request

APPLICATION

Building materials industry: dry mortar, machine-made sand, natural sand, quartz sand, perlite, dolomite, calcite, feldspar and other stone powders and mineral powders.

Food industry: grading of granular sugar, raw salt and edible salt.

Other industries: sieve granular materials with a pore size of 0.5~10mm, and the loose density of the material is better than 0.8.













Product display









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THE SERVICES WE CAN PROVIDE

Sanyuantang Machine Co., Ltd. has been engaged in foreign trade export for more than 10 years. Its rich export experience ensures that you have worry-free purchasing.

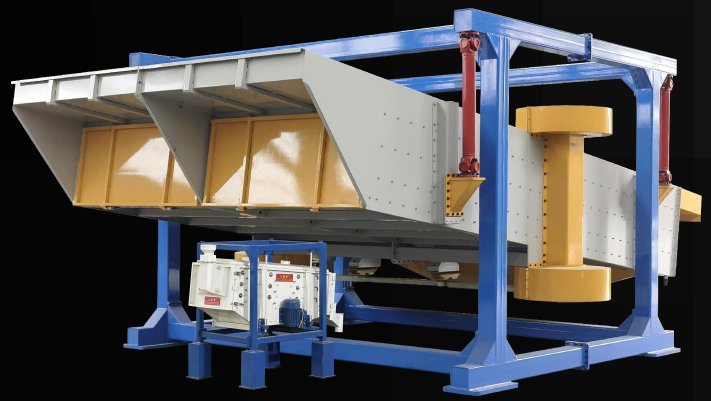
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