

MEGA YOUNG SCREENING TECHNOLOGY CO., LTD



MEGA YOUNG

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LINEAR VIBRATING SCREEN

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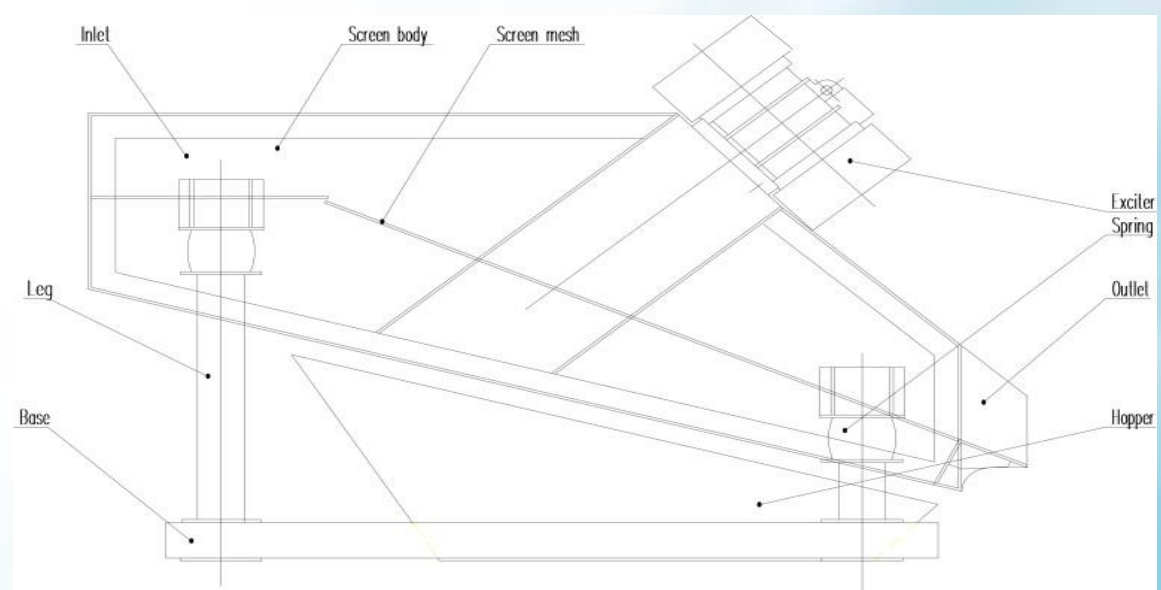


INTRODUCTION

Linear vibrating sifter is used to separate materials into various particle sizes for further processing. Basically, professional large capacity mining linear vibrating screen manufacture consists of the screen box, supporting device, driving unit, vibration isolation and etc. It has two operational driving modes: dual-vibration mode (light duty) and dual-vibration exciter mode (heavy duty).

The motion path of screen box is rectilinear, it is called linear vibrating screen. Based on the different vibration, it is divided into two types, one is shaft-eccentric type rectilinear sifter and the other is block-eccentric type rectilinear vibrating sifter, and the numbers of layer could be 1-4.

Two-motor synchronous device generates reverse exciting force, forcing the screen box do the vertical movement with the sieve. When two vibrating motors that are longitudinally mounted on the screen box actuate the relative rotation, so that the material on the screen deck surface jumps and moves to the outlet under the exciting force. The size of materials that are smaller than the opening of screen deck, fall to the next layer through the deck. Then they go out from the outlet after continuous jump. After this process, different levels of material can be got, and the classification operation of material is finished.

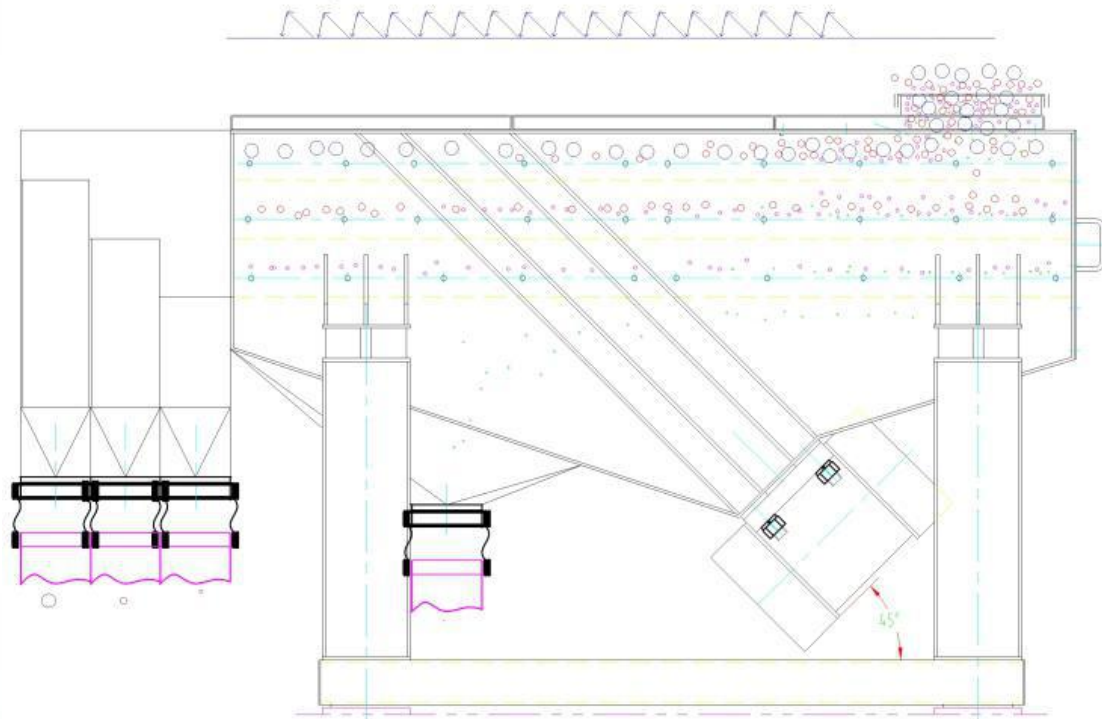


WORKING PRINCIPLE

The vibrating source is also from vibrating motor. There are two motors to be fixed on the both side of screening box(or under the screening box) to corotate on the contrary direction. In the process of rotating, when two motors synchronous reversely rotate, the eccentric blocks of motor will emerge a kind of centrifugal force, which can be transmitted to the screening box and make the machine run by linear direction. Then the material on the mesh will be vibrated forward and screened.

There is an angle of inclination two motor axis's relative to screen deck, under the influence of resultant force of exciter force and materials self weight, materials are threw up to make saltatory and linear movement forward on the screen deck in order to screen and grade the materials. By choosing the suitable mesh, the screening target is realized.

The motion path of material on the screen deck: The material jump forward on a specific inclined angle



FEATURE

High productivity

Tightness, very little dust spilling, also can be enclosed or can be connected with duct collector.

Low energy consumption, low noise and long service life.

Screening of high precision, large capacity, simple structure.

**Fully enclosed structure, automatic layout, Easy maintenance
It can be used for assembly line production automation.**

Sieve body parts are used rolled welded steel plate and profiles (part of the group as a bolt connection between the body) the overall stiffness is good, solid and reliable.

PARAMETER

Model	Screen Surface area (m ²)	Mesh Size (mm)	Mesh Structure	Feeding Size (mm)	Processing Capacity (t/h)	Vibrating Frequency	Amplitude(mm)	Motor Model	Power(Kw)	Volume (L×W×H)
ZSM1542	6	0.25-13	punching processing	≤300	75-100	800	9-10	Y160M-4	11	4500×2690×1710
ZSM1556	8	13-50		≤300	30-60	800	10	Y160L-4	15	5850×2675×1703
2ZSM1556	8	U:13-50 L:0.25-13		≤300	30-60	800	11	Y160L-4	15	5850×2575×2023
ZSM1556B	8	13-50		≤300	30-60	800	11	Y132M-4	7.5×2	5850×2854×1707
2ZSM1556B	8	U: 13-50 L:0.25-13		≤300	30-60	800	11	Y132M-4	7.5×2	5850×2854×2023
ZSM1756A	9.5	13-50		≤300	50-80	800	10	Y160L-4	15	5850×2925×1703
2ZSM1756	9.5	U:13-50 L:0.25-13		≤300	50-80	800	10	Y160L-4	15	2550×2770×2015
ZSM1756B	9.5	13-50		≤300	50-80	800	10	Y132M-4	7.5×2	5850×3104×1703
2ZSM1756B	9.5	U:13-50 L:0.25-13		≤300	50-80	800	10	Y132M-4	7.5×2	5850×3104×2020
ZSM1856	10	13-50		≤300	50-80	800	11	Y160M-4	11	5600×2778×1577
ZSM2065	13	13-50		≤300	70-100	800	11	Y180M-4	18.5	6750×3208×1885
2ZSM2065	13	U:13-50 L:0.25-13		≤300	70-100	800	1	Y180M-4	18.5	6750×3104×2180
ZSM2065B	13	13-50		≤300	70-100	800	9	Y160L-4	11×2	6750×3428×1880
2ZSM2065B	13	U:13-50 L:0.25-13		≤300	70-100	800	11	Y160L-4	11×2	6750×3428×3185

APPLICATION

The linear vibrating screen can be applied to the screening and grading of powder and granular materials.

It is widely used in plastics, building materials, metallurgy, rubber, ceramic, food, pharmaceutical, chemical, carbon, abrasives, fertilizer, glass, ceramics and other industries.

