SYT | Expert in Powder Processing Solutions for 30 Years



LINEAR VIBRATING SCREEN

Multi-layer screening, simple network change, support customization

- Stable and reliable,
- Less consumption, long life,
- Low noise,
- High screening efficiency

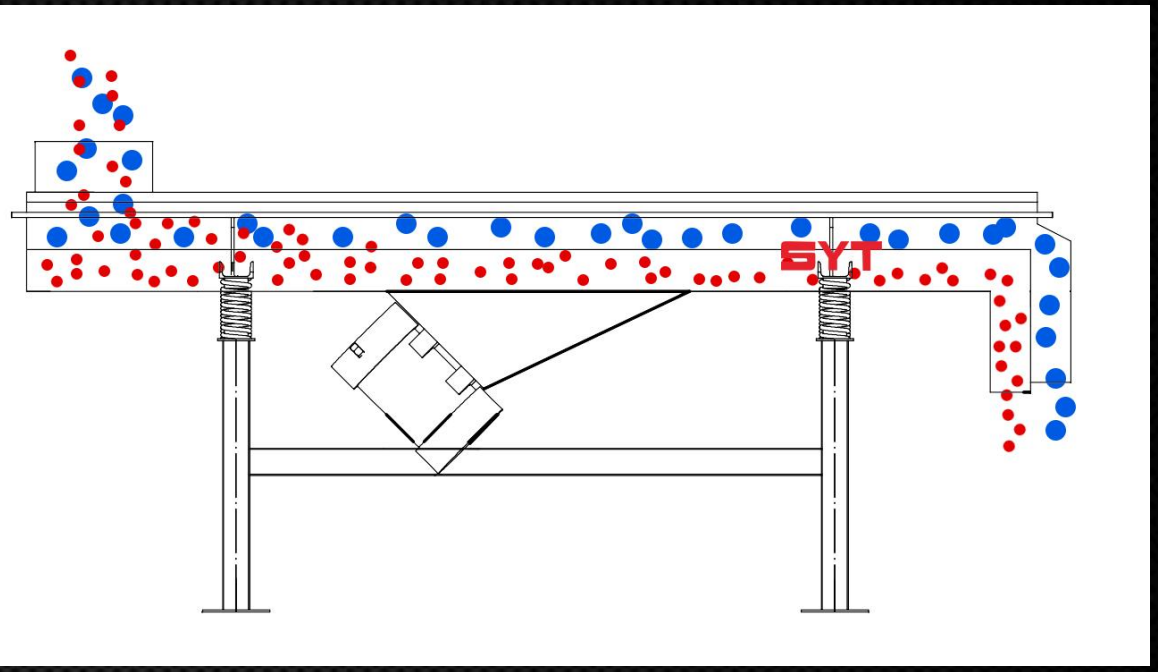






WORKING PRINCIPLE

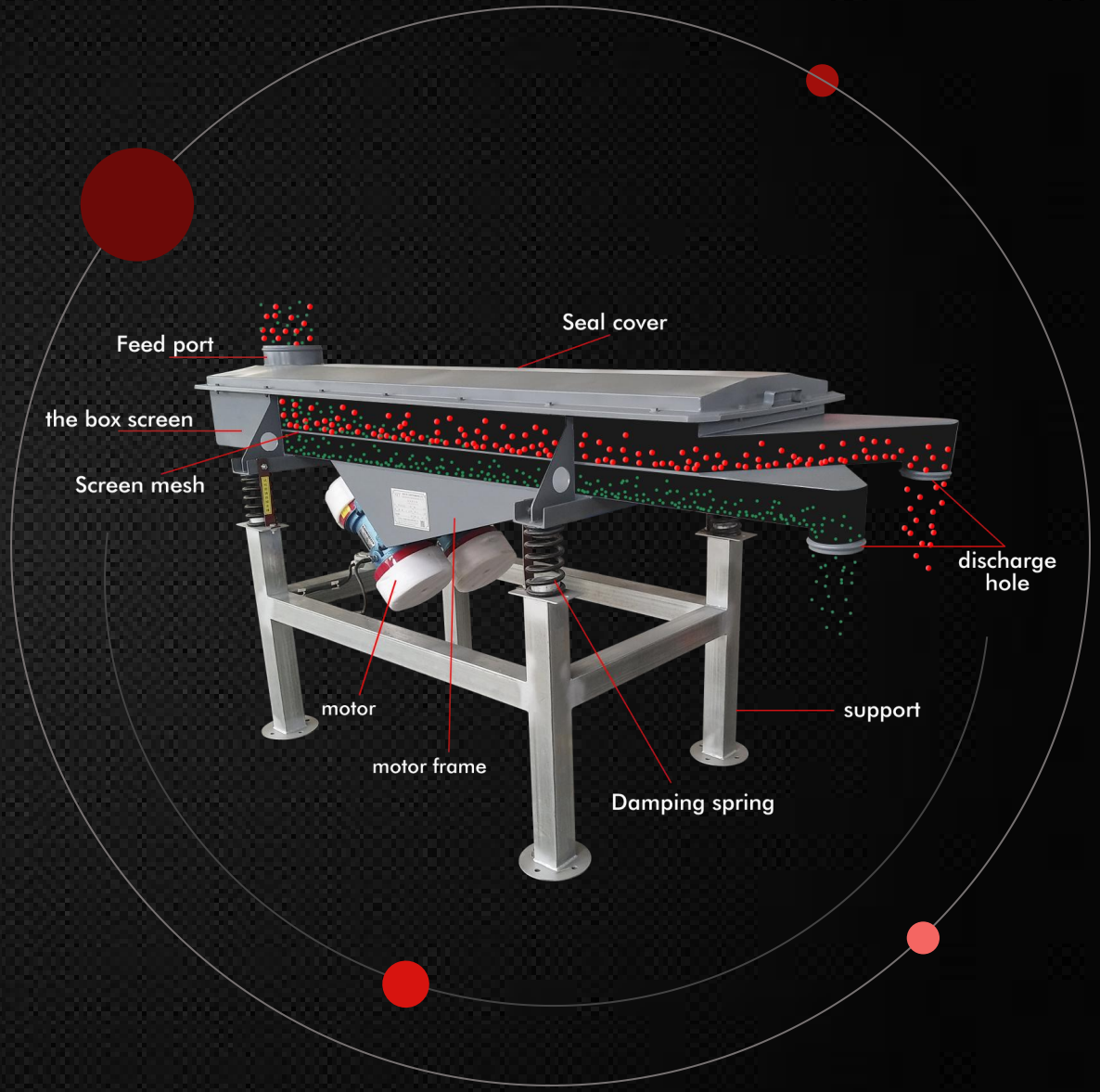




The linear vibrating screen is driven by dual vibration motors. When the two vibration motors rotate synchronously and in opposite directions, the exciting forces generated by their eccentric blocks cancel each other in the direction parallel to the motor axis, and overlap in the direction perpendicular to the motor axis. A resultant force, so the motion trajectory of the screen machine is a straight line. The two motor shafts have an inclination angle relative to the screen surface. Under the combined force of the excitation force and the material's own gravity, the material is thrown up on the screen surface and moves forward in a straight line, thereby achieving the purpose of screening and grading the material. Can be used to automate operations in the assembly line. It has the characteristics of low energy consumption, high efficiency, simple structure, easy maintenance, and fully enclosed structure without dust spillage. It can screen out 7 kinds of materials with different particle sizes.

STRUCTURE

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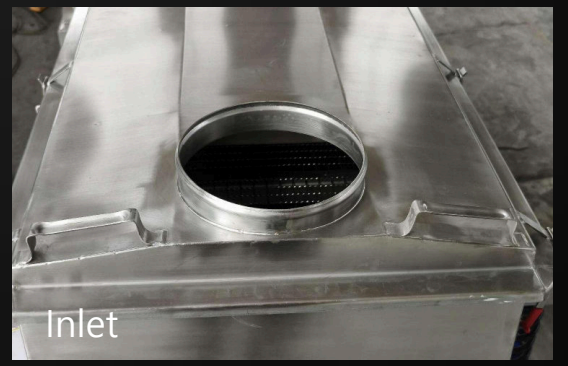


DETAILS SHOW


Discharge port


Motor


Quick clamp


Inlet


Spring

FEATURES



01

Different shapes and structures can be designed according to the production site, such as upward vibration type, downward vibration type, and sympathetic vibration type.

02

The material has a long stroke on the screen, high screening accuracy, and large processing capacity. The material is transported over a long distance while screening.

03

The inclination angle of the screen surface can be changed according to the particle size of the material, the probability of mesh penetration, and the productivity.

TECHNICAL PARAMETERS

Model number	SYZ-520	SYZ-525	SYZ-530	SYZ-1020	SYZ-1025	SYZ-1030	SYZ-1225
Nominal size(mm)	500×2000	500×2500	500×3000	1000×2000	1000×2500	1000×3000	1200×2500
Material size(mm)	0.074-20	0.074-20	0.074-20	0.074-40	0.074-40	0.074-40	0.074-40
Frequency of vibration (times per minute)	960	960	960	960	960	960	960
leaning angle of screen(degree)	1-7	1-7	1-7	1-7	1-7	1-7	1-7
amplitude	1-4.5	1-4.5	1-4.5	1-4.5	1-4.5	1-4.5	1-4.5
Number of layers	1-6	1-6	1-6	1-6	1-6	1-6	1-6
power(kw)	2×(0.37-0.75)	2×(0.37-0.75)	2×(0.37-0.75)	2×(0.75-1.1)	2×(0.75-1.5)	2×(0.75-1.5)	2×(0.75-1.5)

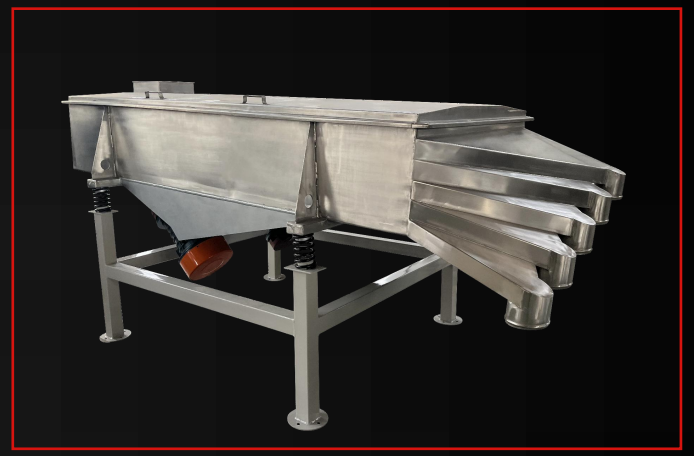
TYPES OF LINEAR VIBRATING SCREEN



SYZ-520 Stainless steel 1-layers



SYZ-1025 carbon steel 3-layers



SYZ-1225 Stainless steel 4-layers



SYZ-525 Stainless steel 4-layers
Add dust removal device



SYZ-520 Stainless steel 3-layers



SYZ-1030 carbon steel 3-layers

APPLICATION

Chemical Industry

Resin, alkali coating, rubber powder, industrial drugs, traditional Chinese medicine powder rubber particles, cosmetics, aluminum chloride solution, paint, etc.

Food Industry

Sugar powder, soy starch, steviol glycosides, salt, rice flour, rapeseed, milk powder, soy milk, egg powder, soy sauce, juice, etc.

Metallurgical Mining

Limestone, metal ore, cryolite, kyanite, magnesite, mica, quartz sand, quartzite, dolomite, kaolin, silica, graphite, diabase

Pollution Treatment

Resin, alkali coating, rubber powder, industrial drugs, traditional Chinese medicine powder rubber particles, cosmetics, aluminum chloride solution, paint, etc.





















CUSTOMER CASES





SYT | Expert in Powder Processing Solutions for 30 Years

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.

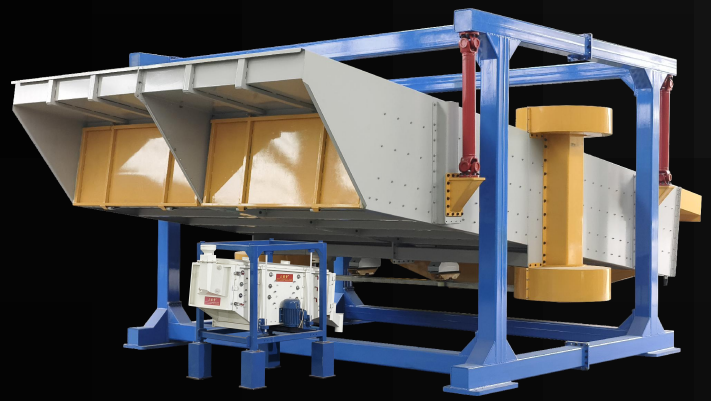
When you cooperate with us, you can enjoy:

① Timely response through various communication tools.

② Professional technical guidance to choose the most suitable product for you.

③ Economical transportation scheme to cut down transportation cost.

④ Thoughful after-sales tracking service from the installation to the daily maintanence.







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