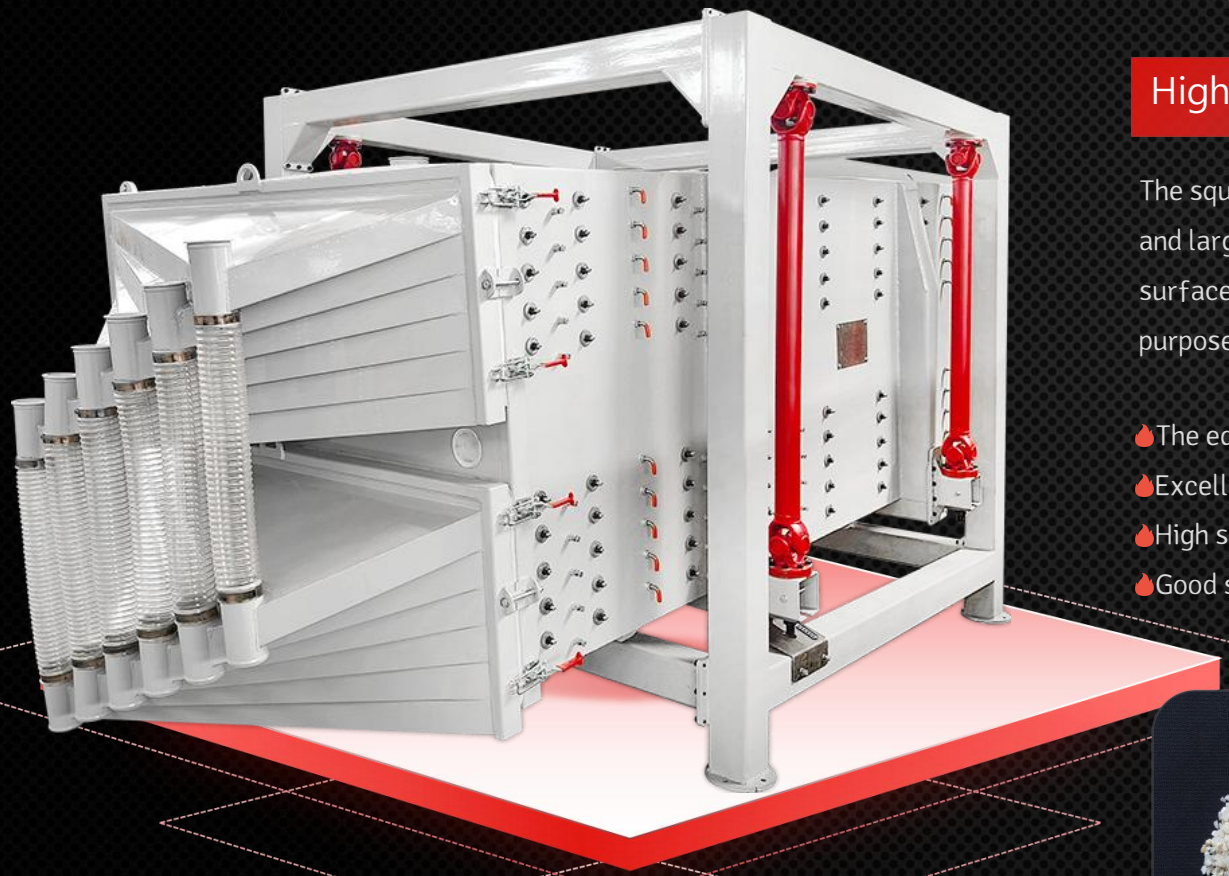
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SINGLE SOURCE SQUARE GYRATORY SCREEN



High-precision, high-volume screening first choice

The square gyratory screen (square swing screen) is an efficient screening equipment with high precision and large output. The square gyratory screen transmits the gyrating motion of the vibrator to the screen surface, so that the materials are quickly dispersed in the front of the screen, thereby achieving The purpose of efficient screening.

- The equipment has applied for 17 national patent protections
- Excellent self-cleaning net effect
- High screen utilization and long service life
- Good sealing effect



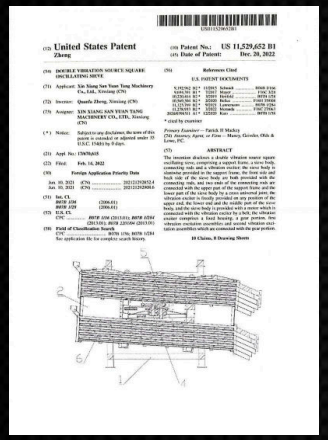




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USA PATENTS

AND A NUMBER OF DOMESTIC PATENTS



















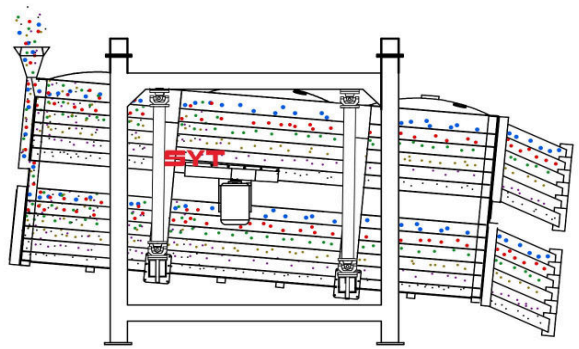


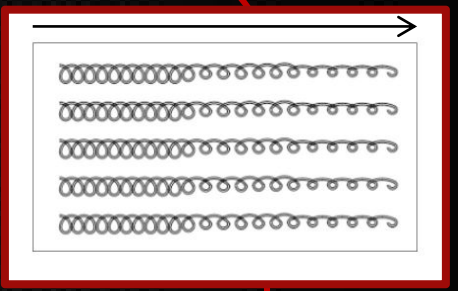


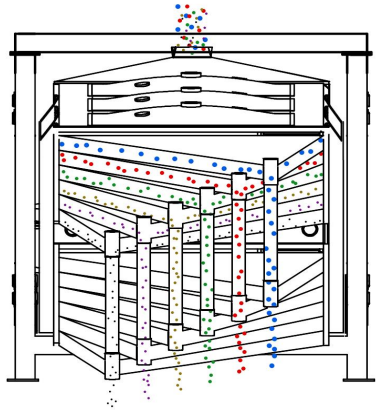


WORKING PRINCIPLE

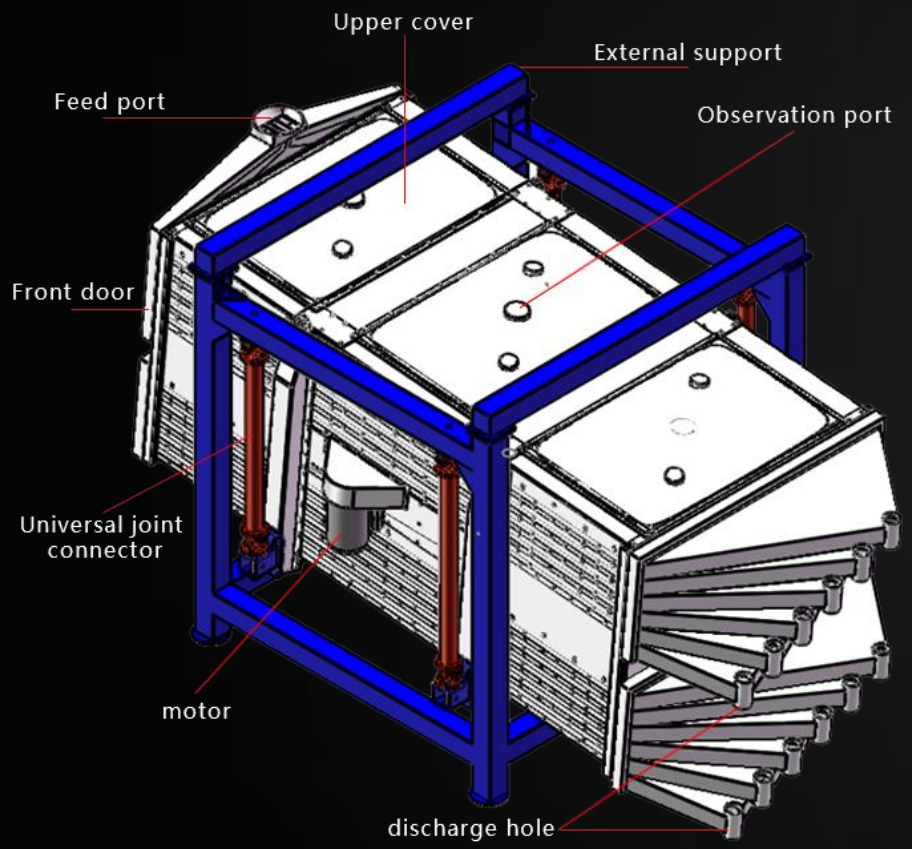
After the square gyratory screen is started, the shaking body of the screen machine, that is, the screen box, reciprocates back and forth under the action of inertial force. The screen box drives the screen surface to shake periodically, so that the materials on the screen surface make directional jumping movements together with the screen box . During this period, materials smaller than the screen pore size fall to the lower layer through the sieve holes and become under-screen materials. Materials larger than the screen pore size are discharged from the discharge port after continuous rolling and jumping motion, thereby completing the screening work.







STRUCTURES



Motor → The motor provides the main power for the square swing screen and serves as the source of vibration.

External support → Welded with selected high-quality carbon steel, it is strong and reliable, ensuring the smooth operation of the square swing screen

Feed port → The decentralized design in the feed port ensures that materials are evenly dispersed after entering.

discharge hole → Grading outlet, the number of layers can be customized according to customer needs

Universal joint connector → Four universal joints connect the box, and combined with the exciter, make the box perform rotary reciprocating motion.

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DETAILS SHOW



Material inlet port



Material outlets



Screen mesh



silicone bouncing ball



Motor



Universal joint connector



sealing strip



Quick clamp

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FEATURES

01

5 Times Capacity

Up to 5 times capacity than the ordinary same model of linear vibrating screen.

02

High Precision

The screening accuracy is as high as 90%-99%, much higher than traditional vibrating screen.

03

Cleaning Device

High effeciency cleaning device with anti-clogging cleaning device to protect the mesh from being blocked.

04

Easy to Change Screen

Changing the screen is more convenient, easy to operate, firm and reliable.

FEATURES

05

Long-life Free Oil Injection Axle

The motor is equipped with free oil injection axle and the axle has the 2-3 time usage life than common axle.

06

Unique Materials Leakage Prevention Function

the machine is equipped with Unique materials leakage device to make sure the inputed materials have no leakage.

07

Large-Scale Electrostatic Spraying

Large-scale electrostatic spraying process makes the equipment more beautiful, wear-resistant and rust-proof.

08

Environmental Friendly

Fully enclosed structure, dust does not fly, and the screen machine has small vibration and low noise (less than 75 decibels), which meets environmental protection requirements

MODEL AND SPECIFICATIONS

Equipment model	Mesh size	Screening area (m²)	Screen Angle °	Number of screen layers	Power (kw)	Allowable number of turns	Screen box travel (mm)
SYT-FYBS 1536	1.5m*3.5m	5.25-9	5.4±3	1-10	5.5	180-260	60-25
SYT-FYBS 2040	2m*4m	8-9	5.4±3	1-10	7.5	180-260	60-25



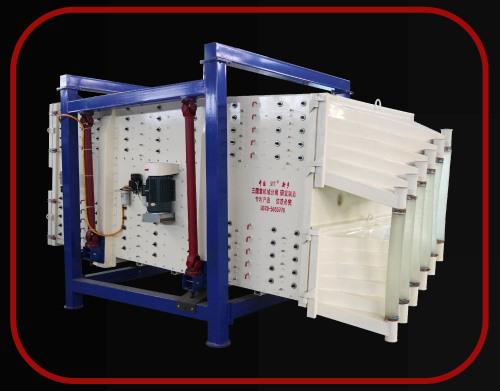
SYT-FYBS 1536 5-Layer



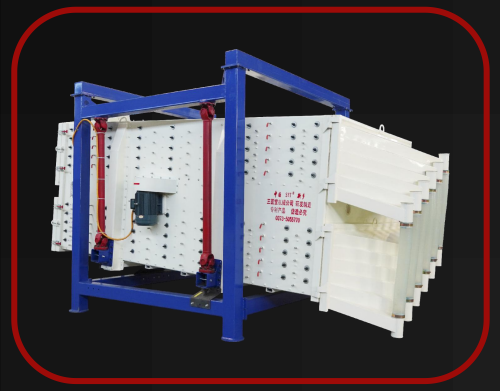
SYT-FYBS 2040 Double 5-Layer

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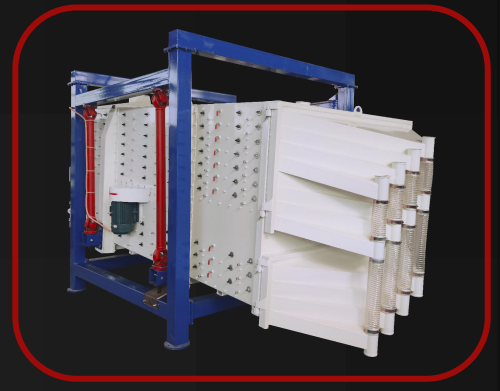
TYPES OF SQUARE SWING SCREENS



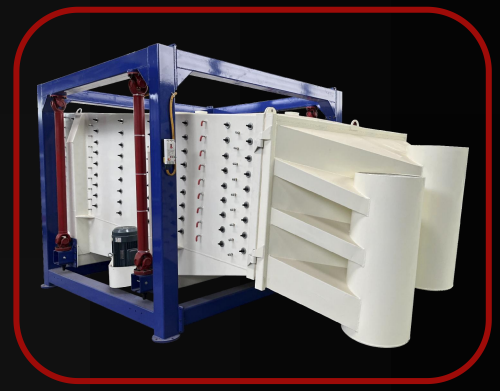
Double source, 2040, double 5-layer



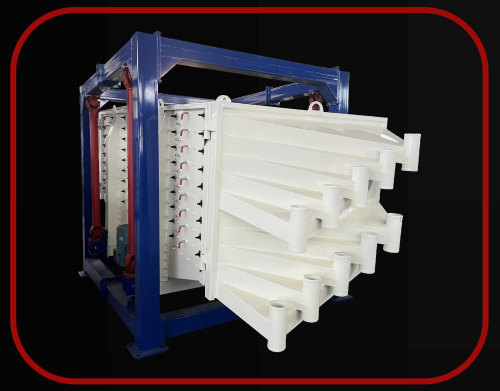
Single source medium vibration type, 2040, double 5-layer



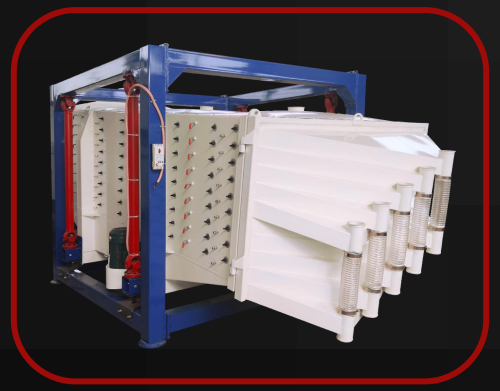
Single source medium vibration type, 2040, 3-layer+3-layer+3-layer



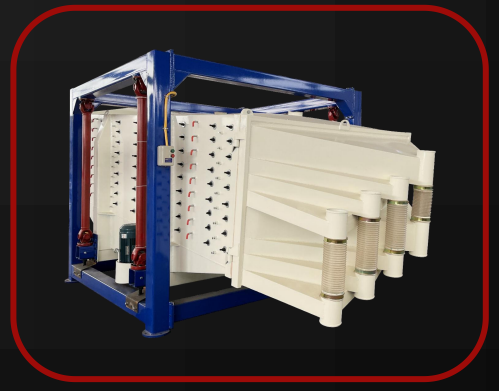
Down vibration type, 2040, three groups of single layer



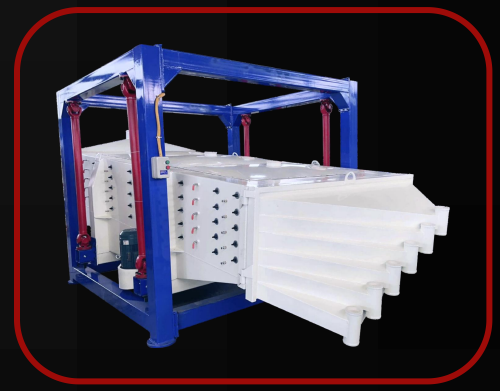
Down-vibration type, 2040, single 9-layer



Down vibration type, 2040, double 4-layer



Down Vibrator, 2040, Double 3-Layer



Down vibration type, 2040, single five layers

The above screen combinations are generally applicable to 2040 and 1536 models, can be customized according to the actual situation of the customer.

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.



















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CASES











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THE SERVICES WE CAN PROVIDE

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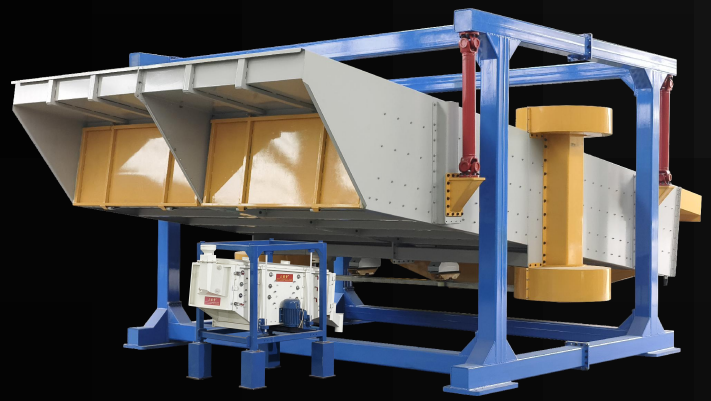
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