SYT | Expert in Powder Processing Solutions for 30 Years



Horizontal Airflow Sieve

Emove unwanted particles from powder and break up clumps

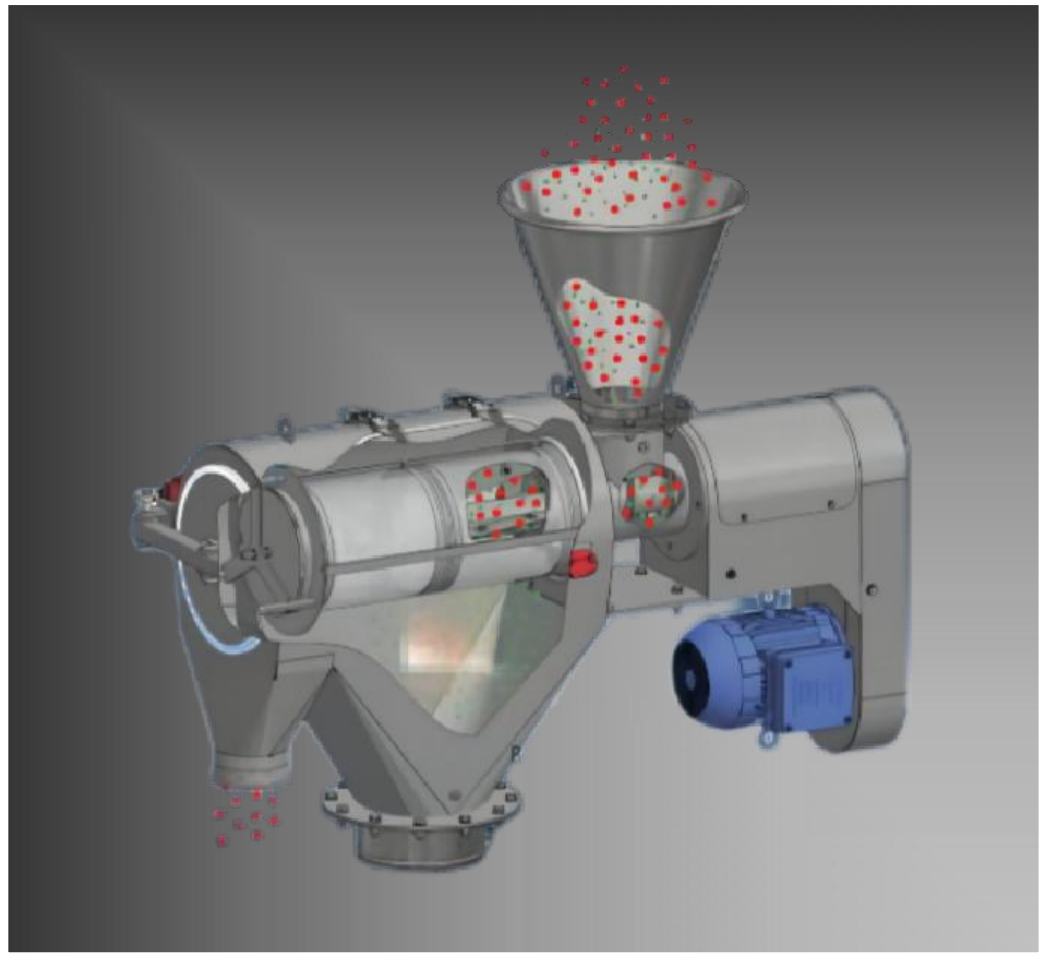
It is suitable for separating materials that do not meet the required size, ensuring the "screening process" by removing unwanted materials and reducing the risk of powder handling. It is widely used for various difficult-to-screen fine powders, effectively screening fine powders within the 50-500 mesh range.

Suitable for the following materials:

- Fine powder
- low density (light specific gravity)
- Slight humidity
- Easy to attach sticky powder
- Static reaction







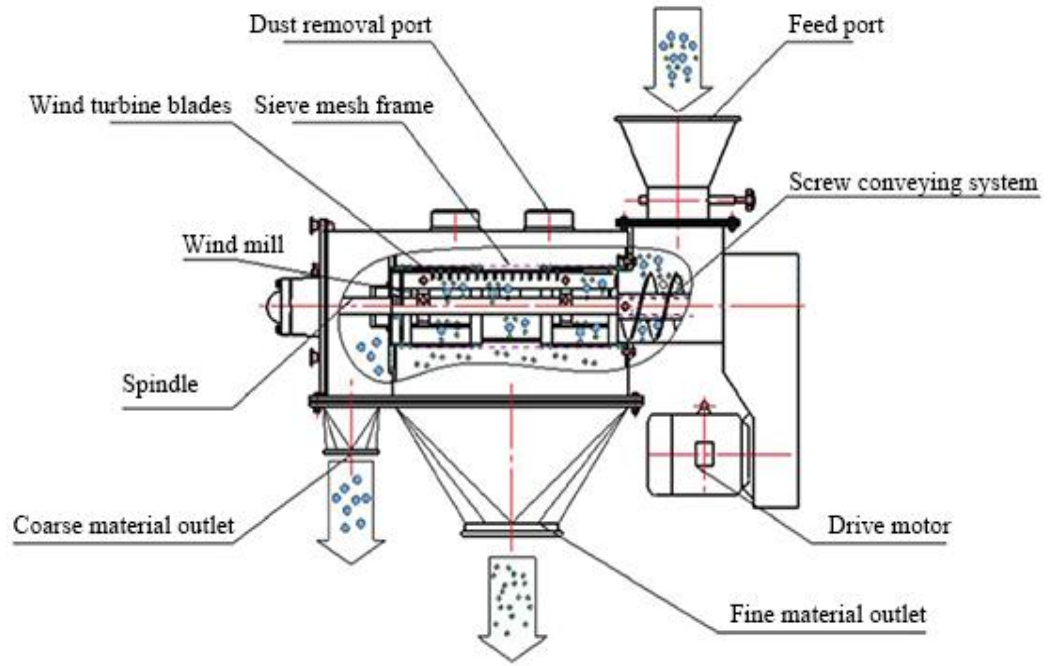
WORKING PRINCIPLE

This equipment's screen is cylindrical and placed inside the machine body. After the material is mixed with the airflow through the screw conveying system, it is atomized and enters the screen cylinder. Inside the screen cylinder, the wind wheel blades cause the material to be subjected to both centrifugal force and cyclone propulsion force, thereby making the material spray through the screen. The material that passes through the screen is discharged from the fine material outlet, while the material that cannot pass through the screen is discharged along the cylinder wall from the coarse material outlet, achieving rapid separation.

STRUCTURES

Main components:

- Driving motor
- Screw conveying system
- Feeding inlet
- Discharge outlet
- Screen frame
- Fan blades
- Main shaft



DETAILS SHOW



Screen



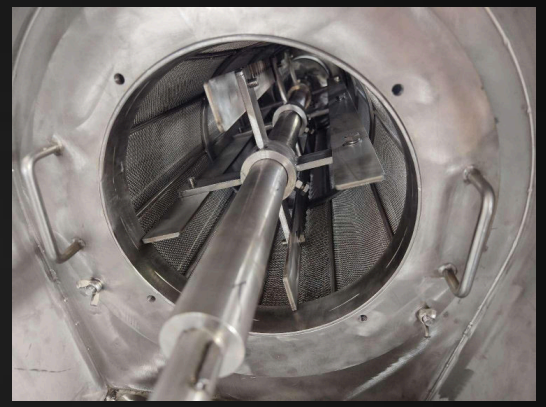
Feed port



Observation port



Material outlet



Wind turbine blades



Oil and water separator



Screw conveying system

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FEATURES



Easy network change

The cylindrical screen is placed inside the machine body and can be automatically cleaned by the scouring of the cyclone, which has a longer service life and is easy to change.

Closed screening

The equipment has a closed structure, no dust spillage, is stable, vibration-free, noise-free and has high screening efficiency.

Easy to operate

The shell structure is novel, the installation is simple, and the control is convenient.

Re-crushing function

It has the function of re-crushing agglomerated materials. It can be used alone or in combination with multiple machines, which is safe and reliable.

PATENT CERTIFICATE



证书号第14439611号

实用新型专利证书

实用新型名称：一种新型活性炭粉气流筛

发　明　人：郑全发;方学杰

专　利　号：ZL 2020 2 3032550.1

专利申请日：2020年12月16日

专利权人：新乡市三圆堂机械有限公司

地　　址：453700 河南省新乡市新乡县七里营镇青年路811号

授权公告日：2021年10月22日　　授权公告号：CN 214440917 U

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局长
申长雨

第1页(共2页)

其他事项参见续页

A new type of activated carbon powder airflow sieve



证书号第13752590号

实用新型专利证书

实用新型名称：一种新型卧式气流筛

发　明　人：郑全发;方学杰

专　利　号：ZL 2020 2 2759083.6

专利申请日：2020年11月25日

专利权人：新乡市三圆堂机械有限公司

地　　址：453700 河南省新乡市新乡县七里营镇青年路811号

授权公告日：2021年07月23日　　授权公告号：CN 213762860 U

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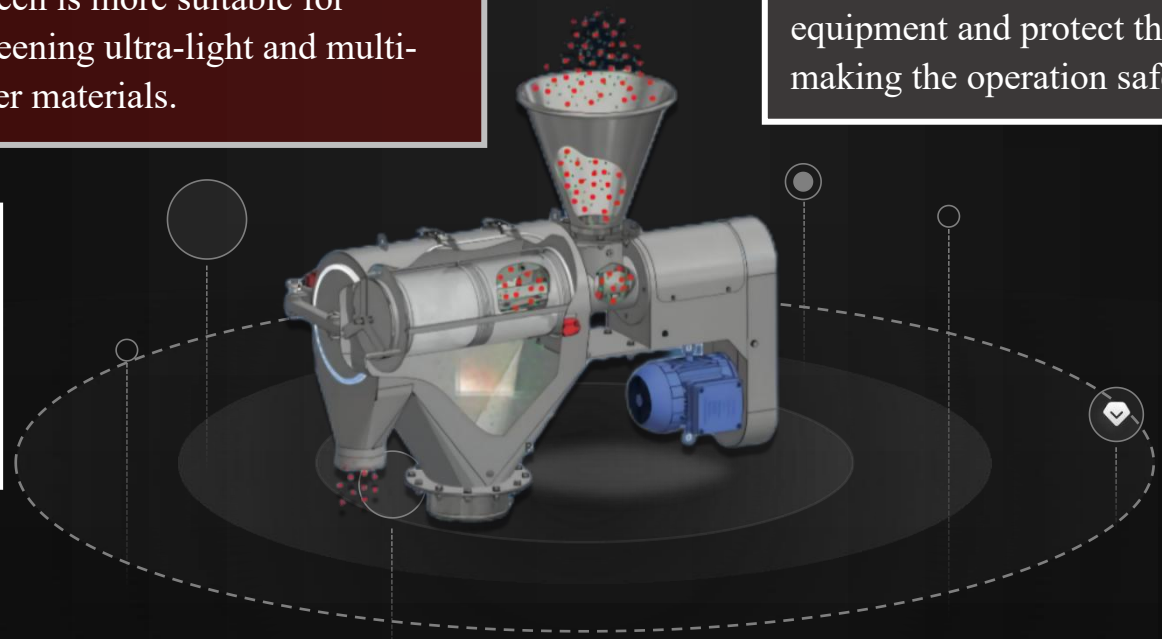
其他事项参见续页

A new type of horizontal air flow screen

Product Selling Points

The design principle of the airflow screen is more suitable for screening ultra-light and multi-fiber materials.

The gas protection device can reduce the temperature generated during the operation of the equipment and protect the bearings, making the operation safer.



Many parts of the equipment are made using one-time molding technology, which provides better stability.

The airflow screen can withstand a pressure of 0.1MPA and is suitable for positive pressure systems such as flour, with a large screening output.

SPECIFICATIONS

Model	Material	Appliance
WQ18-85	Q235A	Within 500 mesh
	SUS304	
WQ30-100	Q235A	Within 500 mesh
	SUS304	
WQ50-130	Q235A	Within 300 mesh
	SUS304	
WQ70-180	Q235	Within 200 mesh
	SUS304	

The Centrifugal sifter is available in a variety of sizes, the machine size is defined by the size of the screen surface, our largest machine, the WQS70-180, has a screen area of Ø70" x 180" long and is available in carbon steel, 304 stainless steel or 316 stainless steel and is available in a variety of Finish options to suit your specific application.

APPLICATION

Chemical Industry	Soda ash, polyethylene, resin powder (PVC, epoxy), washing powder, additives, paint, dye, pigment, rubber, coating, etc.
Non-metal industry	Carbon black (white carbon black), quartz powder (sand), mica, phosphor, feldspar powder, kaolin, fly ash, glass beads, etc.
Metallurgical industry	Alloy powder, (gold, silver, copper, aluminum, nickel, chromium, magnesium, zinc, barium, vanadium, chrystal, strontium, lead) powder, casting sand, etc.
Pharmaceutical Industry	Western medicine powder, Chinese medicine powder, pharmaceutical intermediates, pearl powder, etc.

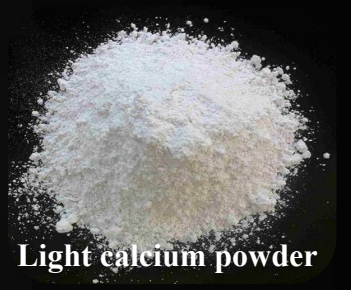

Fruit&vegetable powder


Zinc powder


Medicine Powder


Starch


Paint


Light calcium powder


Hawthorn powder


Sulfur powder


Bakelite powder

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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.

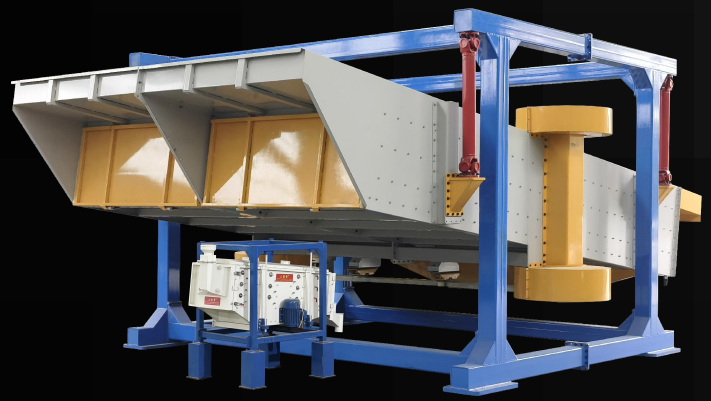
When you cooperate with us, you can enjoy:

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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