



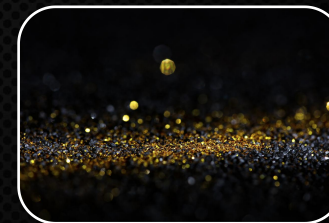
VERTICAL AIRFLOW SCREEN

Equipment for Screening Fine Powders and Oily Materials

The vertical airflow screen is a high-precision screening device for fine powders using mesh screens. It is now widely used in industries such as chemicals, pharmaceuticals, food, papermaking, metallurgy, building materials, rubber, and machinery.

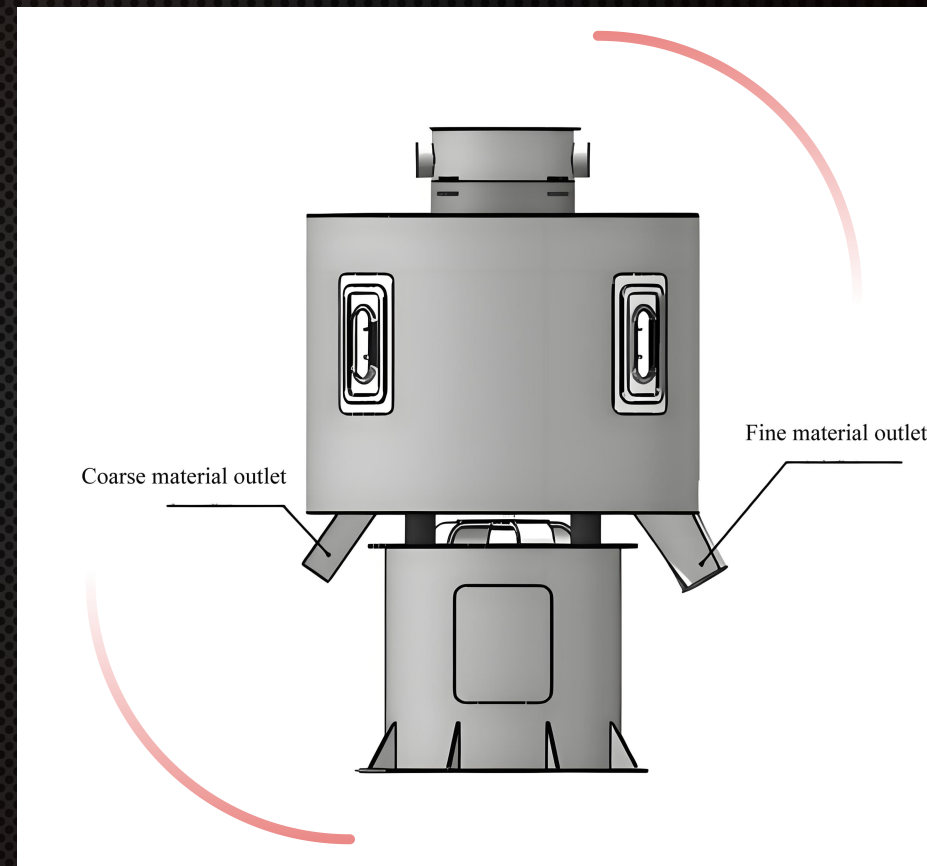
Suitable for the following materials:

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

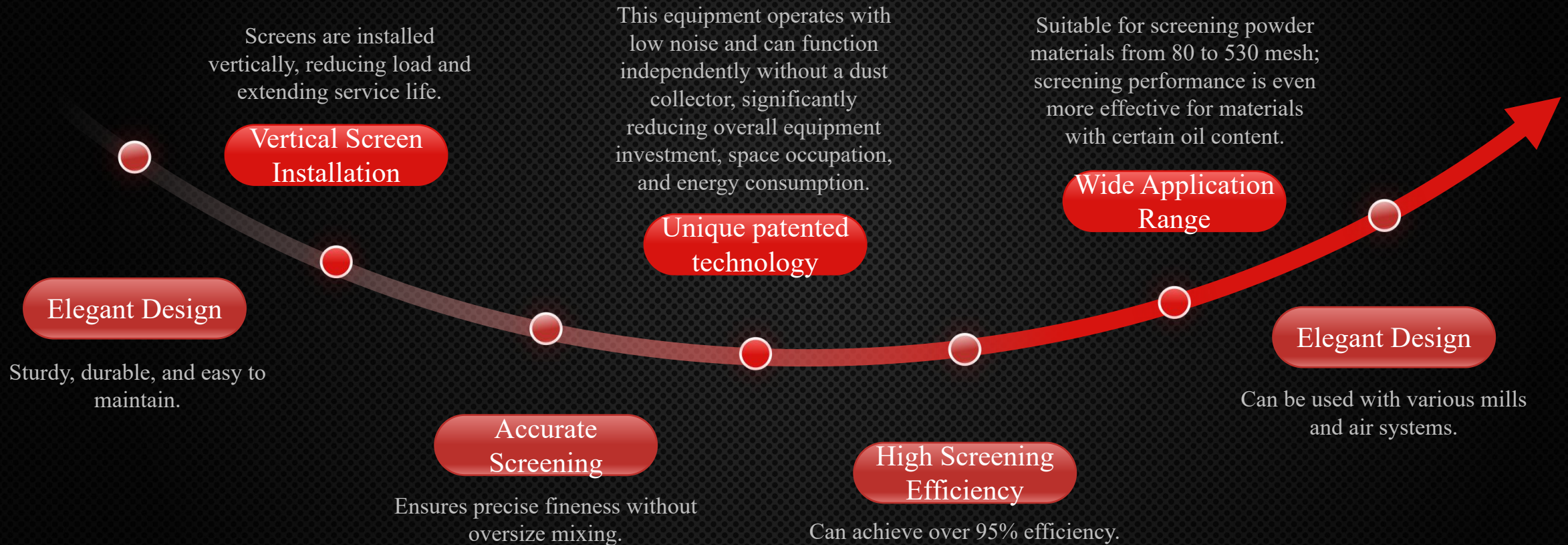


WORKING PRINCIPLE

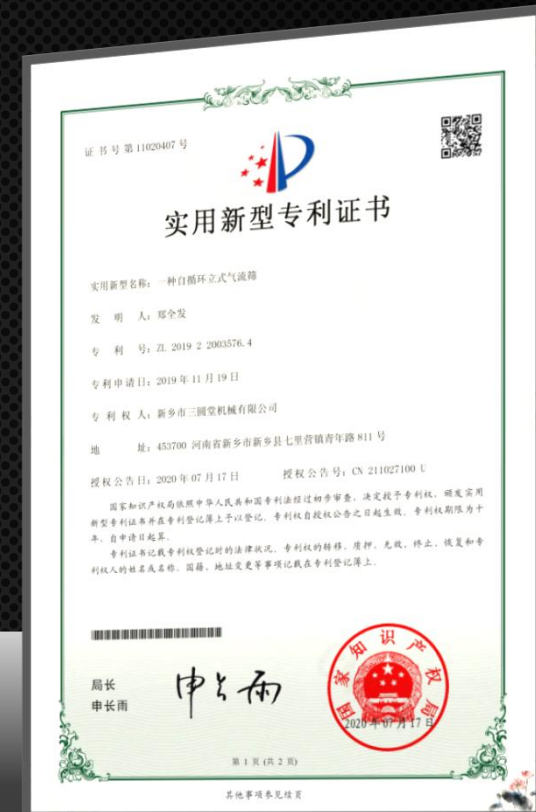
The vertical airflow sieve primarily utilizes airflow to screen materials. This equipment is used to screen fine powder materials, which are small, light, and easy to float with good fluidity. When such materials enter the vertical airflow sieve, they are impacted by a powerful airflow, causing them to separate individually without agglomerating. This prevents mesh blockage and static electricity. Additionally, with the continuous energy supply from the vibrating motor, the airflow keeps pushing the materials. As a result, the fine materials pass through the sieve mesh particle by particle with the airflow, ultimately completing the screening process.



FEATURE



PATENT CERTIFICATE



After years of research and numerous improvements, our company has developed a vertical airflow sieve that can operate independently without the need for a dust collector. We have obtained relevant patents for this advancement, achieving an upgraded iteration of the vertical airflow sieve.

DIFFERENCE FROM ORDINARY VIBRATING SCREEN

Vertical airflow screen

Screening materials with airflow as carrier



VS

Ordinary screening machine

Screening materials with gravitational potential energy



The material on the ordinary screening machine is still restrained by gravity, and is separated in layers on the screen surface after being vibrated; while the vertical airflow screen is suspended by the centrifugal force, and finally the screen is effected by the thrust of the airflow to complete the material classification.

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



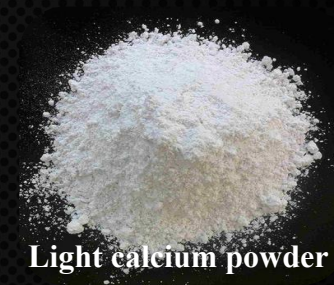
Medicine Powder



Starch



Paint



Light calcium powder



Hawthorn powder



Sulfur powder



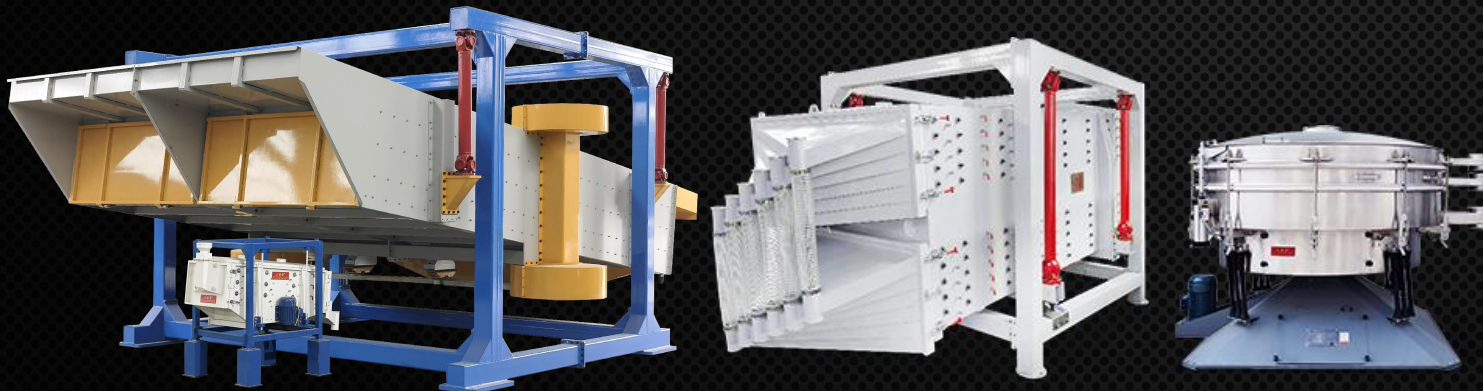
Bakelite powder

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- ③ Economical transportation scheme to cut down transportation cost.
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