

GROUP SUBSIDIARIES



ZINPLOW MACHINERY



PROFESSIONALLY
MANUFACTURE SIEVING
MACHINES,
CONVEYORS, ETC.
EQUIPMENT



Zinplow Machinery Co., Ltd.

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ABOUT US

Zinplow Machinery Co., Ltd. is located in Xinxiang City, the capital of vibration screening machinery equipment in China (the hometown of vibration screening equipment). It is a professional manufacturer of vibration screening machinery equipment and has formed a company that integrates design, development, manufacturing, and sales. With rich manufacturing experience, strong technical strength, and efficient management team, Zinplow Machinery has become a first-class vibration screening equipment manufacturing enterprise. We have excellent production equipment, complete testing methods, comprehensive after-sales service, a group of high-quality technical talents, and a scientific management model, and have established a modern enterprise management system and quality assurance system that is suitable for the actual situation of our factory.

Series products: 3D vibration screening filter, ultrasonic vibration screening machine, dust-free feeding station, vacuum feeding machine, weighing and measuring system, automated production line and other products.

The company fully absorbs advanced technology from similar products at home and abroad, adheres to technological innovation, and takes humanities as the center to tailor first-class and high-quality mechanical equipment for customers. The company has established a vibration mechanical simulation experimental site and a comprehensive testing system to conduct physical and mechanical performance tests on the produced series of products, ensuring that customized equipment from users has no worries about quality.

In the new century, Zinplow Machinery will continue to adhere to the principle of strong technical strength, high-quality products, and comprehensive technical services as the unrelenting pursuit. With a high-quality and cohesive workforce, exquisite manufacturing technology, and complete processing and testing equipment, we will produce machinery and equipment that satisfies customers. We will work hand in hand with new and old friends to vigorously develop efficient, energy-saving, and environmentally friendly vibration machinery and equipment, and strive to build a conservation oriented and harmonious society, and create a better tomorrow together.

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■ All product displays



Round Vibration Screen



Ultrasonic Vibrating Screen



Industrial Sieving Machine



High Frequency Vibro Sifter



Tumbler Screener



Gyratory Sifter



Linear Vibrating Screen



Rotex Screening Machine



Trommel Screener



450 Filter



Laboratory Sieve



Opened Big Bag Unloader

■ All product displays



Enclosed Bulk Bag Unloader



Dust-free Feeding Station



Pneumatic Vacuum Conveyor



Electric Vacuum Conveyor



Batching & Weighing System



Hopper



Screw Conveyor



Bucket Elevator



Ribbon Blender



V Type Mixer



Double Cone Mixer



3D Mixer



Vertical Spiral Conical Mixer



Semi-auto Filling Machine



10-50kg Small Bag Packing Machine



Big bag Filling Machine

Round Vibration Screen

Working principle

The vibrating sieving is excited by a vertical electric action, because its upper and lower end weights are installed on both sides of the engine shaft, so that the rotating motion of the motor is transformed into a vertical, horizontal and inclined three-dimensional motion. By changing the phase angle between the weights at the upper and lower ends, the movement trajectory of the material on the screen surface can be changed.



Material rotating direction	Phase angle	Characteristics	Main usage
	0°	Material spread to side tidily	Screening quickly
	15°	Starting eddy motion	Use for commonly screening
	35°	Longest eddy motion	Precise grading for fine powders, high concentration materials, and moisture rich materials
	95°	Material centralize at center	Use for liquid or wet material screening

Features

1. High efficiency, exquisite design and durability, suitable for screening any powder and viscous liquid.
2. The screen is not blocked, the powder is not flying, and the finest filtering can reach 500 meshes.
3. Impurities and coarse materials are automatically discharged, suitable for comprehensive operation.
4. No mechanical effect, easy to maintain, and can be used in single or multiple layers.
5. The operation is simple, the screen is easy to change, and it is easy to clean.
6. Small size, space saving and easy to move.
7. The contact parts of all products are made of stainless steel.
8. The screen design is unique and durable, and it only takes 3-5 minutes to change the screen.

Scope of application

Chemical industry: resin, industry, medicine, cosmetics, paint, Chinese medicine powder, etc

Food industry: powdered sugar, starch, salt, rice flour, milk powder, soy milk, egg powder, soy sauce, fruit juice, etc.

Metals, metallurgy and mining: aluminum powder, lead powder, copper powder, ore, alloy powder, welding rod powder, manganese dioxide, electrolytic copper powder, electromagnetic materials, grinding powder, refractory materials, kaolin, lime, alumina, heavy carbonic acid Calcium, quartz sand, etc.

Other industries: waste oil, wastewater, dyeing and finishing wastewater, papermaking, additives, activated carbon, etc.

Ultrasonic Vibrating Screen



Working principle

The basic principle of the ultrasonic vibrating screen is that the high-frequency electric oscillation generated by the oscillator is converted into sinusoidal and longitudinal oscillation by the transducer. These fluctuations are transmitted to the pre-tuned rod resonator, and then uniformly transmitted to the screen surface.

Features

1. With self-cleaning function, the mesh is not blocked.
2. Change the characteristics of screening materials.
3. There is no need to add anti-blocking devices such as pinballs and the screen has a long service life.
4. Suitable for 40-635 mesh, especially for sieving particles below 100 mesh.
5. The sieving particle size can be increased by 1-70%, and the output can be increased by a maximum of 10 times.
6. Ultra-high screening particle size can effectively solve strong adsorption, easy to agglomerate, and high static screening problems such as electricity, high density and light specific gravity.

Ultrasonic technical parameter

Model	Parameter	Parts name	Parameter
Frequency	35KHZ	Dimension	300mmx300mmx300mm
Power supply	220V-240V 50/60HZ	Box	IP65
Working type	Continuous	Frequency grade	50-100%
Max working temperature	-10-45°C	Transducer	Plug type

■ Industrial Sieving Machine



■ Product Introduction

Industrial Sieving Machine, widely known as "safety officer", can be used in the feeding system at the front end of the production line of coffee powder, spices, small foods, solid beverages, etc. It can do the check screen or safety screen and efficiently separate foreign materials and over-size particles in raw materials (flour, coffee powder, milk powder, additives, etc.). It is connected in the production system and does automatic separation much more rapidly than other kinds of sieving machines.

■ Features and Advantages

- Improve purity of materials
- Extremely high capacity
- Taking smaller areas
- Dust free
- Low noise
- Low maintenance cost and long service time

■ Technical Parameters

Product model	Power (Kw)	Motor speed (r/min)
ZPS-600	0.18	1450
ZPS-800	0.25	1450
ZPS-1000	0.55	1450
ZPS-1200	0.75	1450
ZPS-1500	1.5	1450
Machine can be customized based on your need		

■ High Frequency Vibro Sifter



■ Product Introduction

For the efficient sieving of slurry materials, Zinplow Machinery developed the high-frequency vibro sifter to solve the problems during the sieving process. So that the high capacity can be guaranteed while sieving precision can be assured. The high-frequency vibro sifter destroys the tension of the slurry surface by high-frequency vibration and increases the high-speed oscillation of the fine-grained material on the sieve surface, accelerates the large-density (specific gravity) useful materials and separation, and increases the percentage of undersized fine materials touching the sieve. So that, the capacity can be increased sharply.

■ Features & Advantages

- 1.Simple and easy to use structure, small size, light weight, convenient installation and movement, easy maintenance and long service life.
- 2.Low energy consumption, high efficiency, energy consumption can be reduced by half and production can be doubled.
- 3.High screening accuracy, screening particle size can reach more than 400 mesh, a wide range of use, any powder, grain, mucus can be applied.
- 4.The amplitude is small, the frequency is high, can reach 3000/rpm, the screening effect of fine-grained, high-viscosity materials is more obvious.
- 5.Unique screen structure, loading sieve is convenient and fast, 3 to 5 minutes can be installed.

■ Technical Parameters

Model	Effective sieve diameter(mm)	Power(Kw)	Voltage	Vibration Force	Rotor Speed(r/min)
ZPGPS-600	550	0.55	380	8000N	3000
ZPGPS-800	760	0.75	380	10000N	3000
ZPGPS-1000	930	1.1	380	15000N	3000
ZPGPS-1200	1130	1.5	380	20000N	3000
Machine can be customized based on your need					

Tumbler Screener



Product Introduction

The tumbler screening machine simulates the manual screening action and process of human beings, and performs three-dimensional circular motion.

High screening accuracy, high efficiency, large output, and long screen life (can reach 5-10 times that of ordinary vibrating screens), it is used in various fine and ultra-fine particulate materials, and is more suitable for difficult-to-handle materials.

Product features

Up to 5 times the output per unit area.

Accurate to 6 layers separation, screening efficiency as high as 90% -99%

Use the efficient equipment system for cleaning the mesh: like silicon rubber ball, ultrasonic, etc. The mesh will not clog.

Closed dedusting, safe operation.

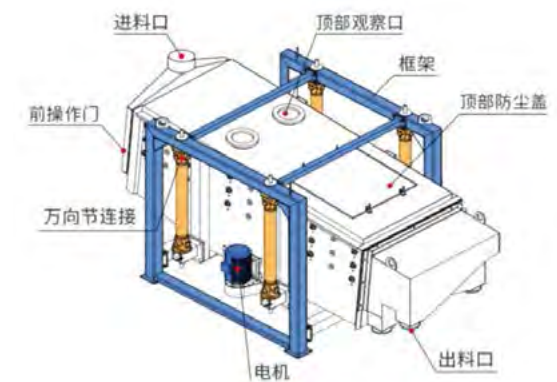
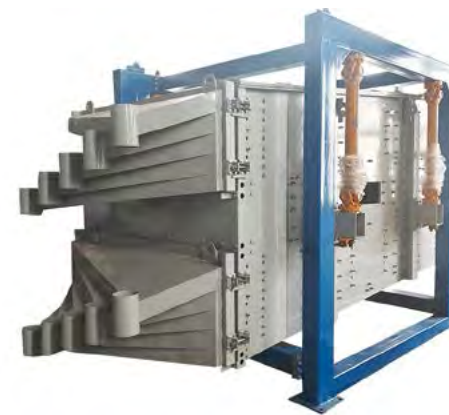
Vibrating speed is 4-5 times lower than the vibrating screen, so the longer life of screen parts and less maintenance.

Low noise <75db. Optimize the weight balance, the foundation dynamic load is low.

Technical parameter

Model	Dia mm	Screen area m ²	Space requirement m ³	Max layers	Motor power KW
ZPYBS-1000	1040	0.71	1.2	5	1.5
ZPYBS-1200	1250	1.11	1.6	5	2.2
ZPYBS-1600	1580	1.83	2.5	5	2.2/4
ZPYBS-2000	1880	2.62	4	5	2.2/4
ZPYBS-2200	2100	3.46	4.84	5	3/4
ZPYBS-2600	2650	6.31	7	5	5.5

Gyratory Sifter



Product Introduction

The square gyratory sifter adopts a hanging structure, and the mesh frame and mesh installation method adopts a unique innovative design, which is very convenient to install. The equipment can be installed 10 layers of screen mesh, you can screen out 11 grades at one time, can be designed as 5 layers + 5 layers, 4 layers + 4 layers, equivalent to 2 sets of sifter machines, can also be designed as 2 layers + 2 layers + 2 layers equivalent to 3 sets of sifter machines, or designed as 1 layer + 1 layer + 1 layer + 1 layer + 1 layer, equivalent to 5 sets of sifter machines. We can design according to the specific requirements of customers.

Product features

Large capacity, the unique multi-layer classification design, one machine is divided into two groups, and one is equivalent to multiple machines, and the output is doubled.

Fully enclosed structure, and enhances the working environment of the workshop.

Flexible screening, the acceleration is 4-5 times lower than the ordinary vibrating screen, increased service life, reducing the maintenance cost.

Easily replaced the screen mesh, the operation is simple, firm and reliable.

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

Many years of industry experience, leading technology.

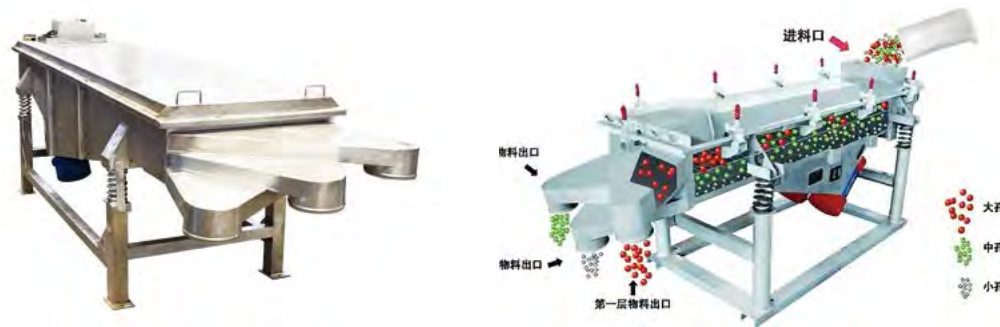
Application industry

The square gyratory sifter machine is widely used in quartz sand, chemical, new materials, metallurgy, metal powder, mineral powder, food, salt, sugar, abrasives, feed and other industries.

Technical parameter

Model	Screen dimension (m)	Screen area m ²	Angle °	1-10 layers	Power KW	Gyratory frequency	Vibration range
ZPFY-1536	1.5×3.6m	5-45	5.0±3	1-10	5.5	180-260	20-50
ZPFY-2036	2.0×3.6m	7.2-72	5.0±3	1-10	7.5	230-260	20-50
ZPFY-2040	2.0×4.0m	8-72	5.0±3	1-10	7.5	180-260	20-50

Linear Vibrating Screen



Product Introduction

ZXS series vibrating screen mainly made of the screen box, screen frame, screen mesh, vibration motor, motor pedestal, vibration spring, bracket and other component.

The linear vibrating screen use the vibrating motor as the vibration source to cause the material to be thrown on the screen mesh meanwhile moving forward. The material enter the feed inlet of the vibrating screen evenly from the feeder, Through the multi-layer screen mesh to produce several specifaions on the screen and under the screen, and were discharged from their respective exports. With low energy consumption, high capacity, simple structure, easy maintenance, fully enclosed structure, no dust, automatic nesting, more suitable for assembly line operations.

Product features

The material has a long travel on the sieve, high screening accuracy, and large processing capacity. At the same time of screening, the material is transported over a long distance. The inclination angle of the screen surface can be changed based on the particle size, mesh penetration probability, and productivity of the material. Different shapes and structures can be designed according to the production site. For example, the upper vibration type, the lower vibration type, and the lower vibration type.

Technical parameter

Model	Size (mm)	Granularity (mm)	Vibration frequency	Dip angle	Amplitude	Number of layers	Power KW
ZPZXS-520	500×2000	0.074-20	960	1-7	1-4.5	1-6	2(0.37-0.75)
ZPZXS-525	500×2500	0.074-20	960	1-7	1-4.5	1-6	2(0.37-0.75)
ZPZXS-530	500×3000	0.074-20	960	1-7	1-4.5	1-6	2(0.37-0.75)
ZPZXS-1020	1000×2000	0.074-40	960	1-7	1-4.5	1-6	2(0.37-0.75)
ZPZXS-1025	1000×2500	0.074-40	960	1-7	1-4.5	1-6	2(0.37-0.75)
ZPZXS-1030	1000×3000	0.074-40	960	1-7	1-4.5	1-6	2(0.37-0.75)
ZPZXS-1225	1200×2500	0.074-40	960	1-7	1-4.5	1-6	2(0.37-0.75)

Rotex Screening Machine



Product Introduction

Rotex screener is one big output sieving machine with high precision. With very big screening area, it is one ideal sieving machine for the screening of granular materials in industrial mass production. Spherical, strip, flake, column, fragile, irregularly shaped materials can be screened with high precision and huge processing capacity.

Features of Product

1. Very big capacity with high accuracy.
2. No vertical vibration, the screening mesh service life is longer (6~12 month).
3. There are cleaning unit for each layer, no blocking on the screening mesh, extending the operating period.
4. Fully enclosed structure, no dust pollution, improving operator's working environment.
5. The dynamic load to foundation is very small.

Machine Application

Chemical industry, food, sugar making, ceramsite, mining, metallurgy, feed, medicine, building materials, mining, food, paper and other industries with high capacity and accuracy.

Technical parameter

Model	Screen Surface (mm)	Screen Deck/ Layer No.	Feeding Size (mm)	Amplitude (Kw)	Frequency (r/min)	Power (Kw)
ZPHXS-1230	1200*3000	1~3	<50	75-90	1450	5.5
ZPHXS-1236	1200*3600	1~3	<50	75-90	1450	5.5
ZPHXS-1530	1500*3000	1~3	<50	75~90	1450	5.5
ZPHXS-1536	1500*3600	1~3	<50	75~90	1450	5.5
ZPHXS-1836	1800*3600	1~3	<75	75-90	750	7.5
ZPHXS-2040	2000*4000	1~3	<75	75~90	750	11

Trommel Screener



Product Introduction

The Trommel screener uses a specially designed screen mesh, resulting in high screening efficiency and a long service life. Its small installation inclination angle prevents screen holes from clogging easily. It features a simple structure, convenient maintenance, stable operation, low noise, and a small footprint, facilitating process layout. It can be used in chemical, coking plants, mines, power plants, building materials, and metallurgical industries. The drum assembly is installed at an incline on the frame. The exterior is sealed with a protective enclosure to prevent contamination.

Working Principle and Structural Features

The motor connects the reducer to the drum assembly via a coupling, driving the drum assembly to rotate around its axis. The rotary drum screen utilizes a mechanical method, with several parallel screen bars forming holes to create the screen surface. After the material is placed into the drum assembly, the inclination and rotation of the drum cause the material to tumble and roll, passing through the screens of different mesh sizes one by one. Material stuck in the screen holes is also ejected, preventing clogging. It adopts a special screen, which has high screening efficiency and long service life; small installation tilt angle, screen holes are not easy to clog; simple structure, easy maintenance; stable operation and low noise; small space occupation, which is convenient for process layout.

450 Filter



Product Introduction

The Model 450 filter is a compact, portable, highly efficient, and low-noise vibrating screen filter designed by Cooper Machinery engineers. It is particularly suitable for filtering powders with low particle content and liquids with low impurity content.

Features of Product

High powder sieving and filtration efficiency; suitable for any powder and viscous liquid; non-clogging mesh; no powder flying; can sieve up to 500 mesh; easy screen replacement; simple operation and easy cleaning.

In addition to powder sieving, it can also be used as a mixing, granulating, or liquid filter. Quiet operation; no moving parts; no special maintenance required. Compact and lightweight design; easily movable and space-saving. All parts in contact with materials are made of stainless steel.

Technical parameter

Model	450	G450T
Motor power	0.18kw	0.18
Sieve Dimension	Dia488*135mm	500x500x1000
Machine Dimension	500*500*600mm	488mmx135mm
Weight	40kg	48
Remarks	Bottom base material could be carbon steel or SS304	

Laboratory Sieve



Product Introduction

The laboratory sieve is a high-precision particle testing sieve machine newly developed by Cooper Machinery. It features an electronic control panel and platform operation. It uses standard 200mm or 300mm sieves with corresponding clamps and can be equipped with 1-8 sieve layers. It can separate multiple samples from a single material being tested.

Features of Product

Utilizing engineer-optimized integrated circuit control, it offers comprehensive functions and simplified operation. It can simultaneously and precisely separate 2-9 particle segments from a single particle, suitable for analyzing the fineness and impurity content of slurries. It features low noise and light weight; platform operation eliminates the need for fixing, and the vibration frequency, mode, and amplitude can be adjusted synchronously at any time.

Machine Application

Widely used in research units, laboratories, testing rooms, production control, inspection, and analysis in industries such as food, pharmaceuticals, chemicals, abrasives, pigments, mining, metallurgy, geology, ceramics, and defense, as well as in the production and grading of superhard material particles.

Opened Big Bag Unloader



Product Introduction

ZINFLOW Bulk bag unloading system(also known as big bag dischargers stations, bulk bag emptying unit,FIBC discharges, FIBC unloader,FIBC emptiers) are designed to unload bulk bags in efficient and safe manner. Different types of bulk materials can be handled, from free-flowing granules to viscous fine powders with poor flow properties.

Bulk bag unloader can be a complete solution on a single host. It can be equipped with load cell, conveyor, hopper, dust-removal, or other necessary accessories. Just one unit can complete all the process of big bag unloading,product storage, dust removal, metering and dosing and conveying.

Features and Advantages

- 1.Safe and clean working environment, dust-free unloading process
- 2.Simple handling of large bags
- 3.Suitable for different conveying and storage systems
- 4.Stable steel structure
- 5.Easily adjust various bag sizes
- 6.Can be equipped with silo, conveyor, weighting and dosing system, and other necessary accessories

■ Enclosed Bulk Bag Unloader



■ Product introduction

ZINPLOW enclosed bulk bag unloader is one advanced unloading system for kinds of materials from different industries. It adopts fully enclosed structure to eliminate dust, Siemens HMI and PLC system, auto cutting system, safe heavy-load hoist, bag-clamping device, remote controller and other necessary accessories. The operator can simply and safely achieve the high-efficiency unloading process for various ton bags. During the operation process, there will be no dust leakage.

The device is one essential equipment for one integrated unloading system with conveyor, weighting and dosing system. And it is widely used in plastic, rubber, food, medicine, minerals, chemical, building materials, grain, feed and other fields.

■ Technical parameter

Structure	Carbon steel, ss304,ss316
Treatable ton bag size	≤ 1000x1000x1600 or customized
Voltage	220,380, 415, 460, 480 or customized
Air pressure	≥ 0.6Mpa
Unloading capacity	5-10 ton bags
Control system	Touch screen, PLC

■ Dust-free Feeding Station



■ Product Introduction

The dust- free feeding station is suitable for the unpacking, feeding, screening and unloading of small bags of materials in the pharmaceutical, chemical, food, battery materials and other industries. The dust- free feeding station is composed of feeding platform, unloading bin, dust removal system, vibrating screen and other components.

■ Technical parameter

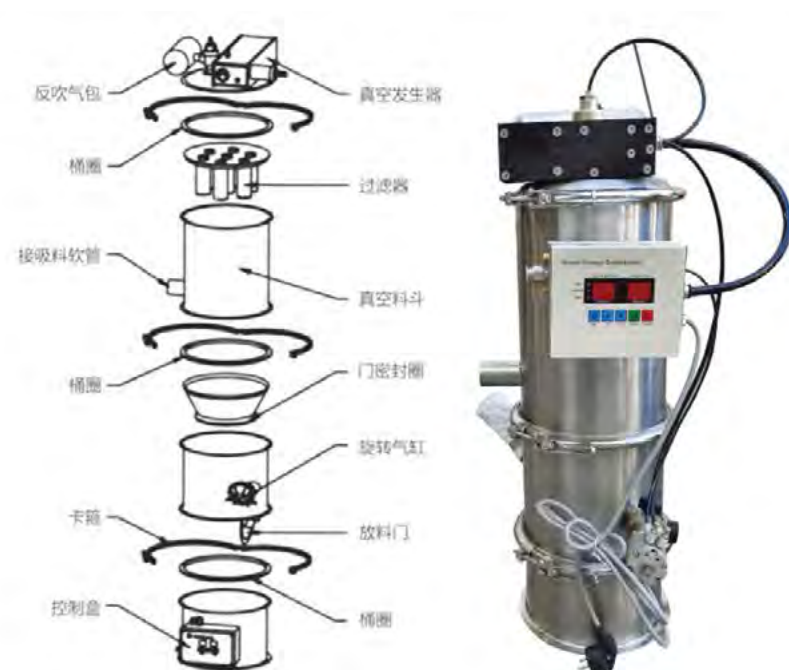
Model	Dust collection fan	Vibration motor	Dust filter
ZP-800	1.1KW	0.18KW	0.4um(Coated polyester filter cartridge)
ZP-1000	1.5KW	0.18KW	0.4um(Coated polyester filter cartridge)

Pneumatic Vacuum Conveyor

Product Introduction

The pneumatic vacuum feeder uses compressed air to generate high vacuum through a vacuum generator to realize the transportation of materials. It does not require a mechanical vacuum pump. It has simple structure, small volume, maintenance-free, low noise, convenient control, elimination of static electricity and compliance with GMP requirements and other advantages. The high vacuum generated by the vacuum generator prevents the material being transported from stratification and ensures the uniformity of the composition of the mixture. It is a tablet press, a capsule filling machine, a dry granulator, a packaging machine, a pulverizer, and a vibrating screen. The preferred equipment for mechanical automatic feeding.

When compressed air is supplied to the vacuum generator, the vacuum generator generates negative pressure to form a vacuum air flow, and the material is sucked into the suction nozzle, and the resulting air flow passes through the suction pipe to the silo of the feeder. The filter completely separates the material from the air. When the material is filled into the silo, the controller will automatically cut off the air source, the vacuum generator will stop working, and the silo door will open automatically and the material will fall into the hopper of the equipment. At the same time, compressed air passes through the pulse; the middle blowback valve automatically cleans the filter." When the time is up or the material level sensor sends out the feeding signal, the feeding machine will be started automatically.



Electric Vacuum Conveyor



Product Introduction

The electric vacuum conveyor produced by our company is a kind of vacuum conveying equipment for powdery materials, granular materials, and powder-grain mixtures. The electric vacuum conveyor can automatically transport various materials to the hoppers of packaging machines, injection molding machines, crushers and other equipment, and can also directly transport the mixed materials to the mixer (such as V-type mixer, two-dimensional mixer), Three-dimensional mixer, etc.), it reduces the labor intensity of workers and solves the problem of dust overflow during feeding. It is the first choice for pharmaceutical factories and food factories to pass "GMP" certification to promote clean and civilized production.

The electric vacuum conveyor consists of a vacuum pump (no oil, no water), a vacuum hopper, a filter (with polyester film filter, PE filter, 316L stainless steel filter or titanium filter, compressed air blowback device, Pneumatic discharge door device, automatic material level control device, stainless steel suction nozzle, conveying hose, etc. The whole set of system is reasonably designed and beautifully manufactured.

Technical parameter

Model	Motor Power(KW)	Conveying capacity(kg/h)
ZPSL-1	1.5	400
ZPSL-2	2.2	600
ZPSL-3	3	1200
ZPSL-4	5.5	2500
ZPSL-6	5.5	3200
ZPSL-7	7.5	6000
ZPSL-10-6	7.5	6000 When the conveying distance is 10 meters
ZPSL-20-5	11	5000 When the conveying distance is 10 meters

■ Batching & Weighing System



■ Product Introduction

Powder or granular materials enter the buffer silo. A vibrating hopper and a metering screw are connected below the buffer silo. Material from the metering screw outlet is vacuum-suctioned into the solid-gas separation chamber of the feeder. A weighing sensor is located below the chamber. When the weighing sensor detects the set weight, it notifies the metering screw to feed at its designated speed, followed by vacuum suction. Once the set weight is reached, the entire system stops operating, and the weighed material is unloaded to the designated location.

■ Features of Product

The system is lightweight and has a small footprint, allowing for flexible placement depending on the site. It has low energy consumption, low noise, and an extremely low failure rate. Suitable for mixing single or multiple materials in a proportional manner. It offers high weighing accuracy; for batches of materials with good flowability, the weighing ratio can be controlled to approximately 0.5%.

■ Hopper



■ Product Introduction

ZINPLOW hopper silo can be connected with vacuum conveyor, mixer, sifter and other kinds of equipment for different production lines. It can efficiently discharge the inside materials into target equipment. Vibrator, load cell, butterfly valve and other accessories can be installed on the hopper silo for different purposes.

The volume of hopper silo can be customized based on the needs of clients. Our stainless steel hopper silo are right now widely used for storage in magnetic materials industry, food processing industry, plastic processing industry, lithium powder industry, coatings industry, chemical industry, construction industry, agricultural industry and pharma-ceutical industry etc.

■ Technical parameter

Hopper Volume	10-10000L or Customized
Construction materials	Carbon steel, SS304, SS316
Optional accessories	Vibrator, Level sensor, Load cell, Wheels, Rotary valve
Application	Convey process, Storage, Weighing system.,etc

Screw Conveyor



Product Introduction

Screw conveyor or auger conveyor is a effective conveying equipment which uses the motor to drive the screw to rotate and push the material to realize the purpose of conveying. It can be used for horizontal, oblique or vertical transportation. With the advantages of simple engineering structure, it is widely used in the industries of food,medicine, chemical, plastics and so on.

Features and Advantages

1. The machine is flexible engineering structure, it is mainly composed of motor, shell tube and spiral.
2. The inlet and outlet can be made based on the work of scene. And the angle of inclination can also be adjusted according to actual needs. It can be easily fixed with other ancillary equipment for different purposes.
3. The inner spiral blade is precisely crafted to realize the best conveying situation.
4. You can install the induction device to automatically control adjustment of screw conveyor for different material level.
5. Each part conveying equipment can be customized base on specific needs.

Technical parameter

Model	Conveying Tube Diameter (mm)	Material	Output (m/h)	Hopper Volume	Angle (degree)	Votage	Powder (KW)
ZPSC-114	114	SS304 or Carbon Steel	3	200L or Customized	30~60	Customized	1.5
ZPSC-141	141		5				1.5
ZPSC-159	159		7				2.2
ZPSC-219	219		12				3
Control system, converter, explosion-proof							

Bucket Elevator



Product Introduction

Z type bucket elevator is one classic type of bucket elevator. As one convenient conveying equipment, the machine can efficiently transfer the materials from low position to high position. Based on the use condition, Z type bucket elevator can be customized with different length, different height, single or multiple inlets and single or multiple outlets. The stable structure, low maintenance cost and simple operation make it widely used for agriculture and chemical industry.

Features of Product

- 1.Flexible structure for different use condition The machine can be made as Z type, C type, single or multiple inlets, single or multiple outlets to realize different conveying purposes.
 - 2.Optional food grade PP materials or SUS304 for buckets
- The loading buckets can be made by food grade PP material or SUS304 to protect the conveying materials.
- 3.Simple operation and no noise The operation is very simple and friendly for the users, and working sound is very low.
 - 4.Compact structure and low maintenance cost With stable and compact structure, the maintenance cost for bucket elevator is very low and working lifetime is very long.

Technical parameter

Bucket Volume	1.8L	3.8L	6.5L
Bucket Material	PP or SUS		
No.s of discharge port	Single	Single or Muti-discharge port	
Body Material	Mild steel or Stainless steel		
Output	4-6m³/h	6.5m³/h	5.5-12.3m³/h
Voltage	As per order		
Power	0.75Kw	1.5Kw	2.2Kw

Ribbon Blender



Product Introduction

Ribbon mixer, also called as ribbon blender, is one kind of slot type mixer for powder, granule and paste. According to different usage conditions, the ribbon mixer can add functions such as spraying, heating, cooling, and speed regulation. With 30 years experience, Zinflow machinery design kinds of ribbon mixer production lines for the industries of pharmaceutical, chemical, food, building materials, etc.

The main components of Zinflow ribbon mixer are U type container, ribbon mixing blades, observation window, air valve, transmission parts, motor and control system. During the mixing process, the materials in container are doing mixing movement driven by the ribbon spiral mixing blade.

Feature and Advantages

High mixing efficiency, Evenly mixed products--With multiple-blade structure, Zinflow ribbon mixer can efficiently mix the materials and ensure that the materials are evenly mixed.

Stable and reliable function, low noise--Zinflow ribbon mixer is a multifunctional mixing equipment with stable operation, reliable quality, low noise.

Speed adjustable, timing function--The operators can adjust mixing speed and set the mixing time based on actual use conditions.

Multi-function of spray, heating, and cooling--Additional configuration of spray, heating and cooling systems can be added based on the clients' request.

Technical parameter

Model	Total volume (m ³)	Loading factor	Power (Kw)	Overall dimension (mm)	Equipment weight
ZPRM-0.3	0.3	0.4~0.7	4	2030x630x980	720
ZPRM-0.5	0.5	0.4~0.7	7.5	2320x730x1130	980
ZPRM-1	1	0.4~0.7	11	2800x920x1320	1700
ZPRM-1.5	1.5	0.4~0.7	1	3180x1020x1550	1800
ZPRM-2	2	0.4~0.7	15	3310x1120x1640	2100
ZPRM-3	3	0.4~0.7	18.5	3750x1290x1820	3000
ZPRM-6	6	0.4~0.7	30	4700x1610x2260	6180
More size can be customized					

V Type Mixer



Product Introduction

As one high-efficiency asymmetric mixer, the V-type mixer is widely used for mixture of powder and granule in kinds of industries, such as agriculture, chemical, medicine, feed, coating, cosmetics and so on. The V-type mixer has features of evenly mixing, high efficiency and avoid the materials accumulation. The fully enclosed structure also guarantee no leakage of materials during mixing process. The V-type mixer is one kind of basic mixing equipment in many industries.

The V-type mixer is suitable for the mixing of powder and granules with good material flowability and small material differences. Since the material in the V-shaped mixing barrel flows smoothly and will not destroy the original shape of the material, the V-shaped mixer is also suitable for mixing granular materials that are easy to break and wear, or finer powder, lumps, and materials containing a certain amount of water.

Technical parameter

Type	Swept Volume(L)	Total Volume(L)	Charge Coefficient	Mixing Power (Kw)
ZPVM-5	2~2.5	5	0.4~0.5	0.25
ZPVM-50	20~25	50	0.4~0.5	0.55
ZPVM-100	40~50	100	0.4~0.5	1.5
ZPVM-300	120~150	300	0.4~0.5	2.2
ZPVM-500	200~250	500	0.4~0.5	3
ZPVM-1000	400~500	1000	0.4~0.5	5.5
ZPVM-2000	800~1000	2000	0.4~0.5	11
More size can be customized				

Double Cone Mixer



Product Introduction

Zinflow double-cone mixer is one kind of mixing equipment with high efficiency. It is used for the uniform mixing of various powdery and granular materials. The materials can be sufficiently mixed under the continuous rotating of double-cone bucket.

The working principle is following, put different materials into the double-cone bucket by vacuum conveyor or manual-ly feeding, seal the bucket cover, start the machine, the double-cone bucket will start to rotate,at the same time, the agitating vane inside will also start to work. The materials will start to mix during the rotating process, and the agitator-ing vane will break those agglomerated materials. Zinflow double-cone mixer are now widely used into the industries of magnetic powder, ceramics, chemicals, pharmaceuticals, feed and so on.

Technical parameter

Model	Total volume	Effective volume(L)	Feeding amount(Kg)	Feeding speed(rpm)	Power(Kw)	Weight(Kg)
ZPDC-50	50	25	15	25	0.55	500
ZPDC-150	150	75	45	20	0.75	650
ZPDC-300	300	150	90	20	2	820
ZPDC-500	500	250	150	18	1.5	1250
ZPDC-1000	1000	500	300	15	3	1800
ZPDC-1500	1500	750	450	12	4	2100
ZPDC-2000	2000	1000	600	12	5.5	2450
ZPDC-3000	3000	1500	900	9	5.5	2980
More size can be customized.						

3D Mixer



Product Introduction

Zinflow 3D powder mixer is widely used to mix various powder and granule of good fluidity in different industries.

Driven by the active shaft, our mixer makes repeated combination motions of translation, rotating, and tumbling to promote the three-dimension composite movement of the material along the cylinder. Under our unique mixture movement, the flow and diffusion of various materials are accelerated during the mixing process, meanwhile, our 3D mixer avoids the separation and accumulation of specific gravity of materials caused by the centrifugal force. Zinflow 3D mixer is now doing the service in the industries of pharmaceutical, chemical, food, metallurgical and scientific research.

Features and Advantages

1. Customized service--The 3D mixture volume can be customized based on different needs.
2. ISO, CE and GMP qualified--All our 3D mixture are ISO and CE certified, and qualified for GMP standard.
3. Flexible operation--The mixing time, frequency, and speed can be settled by smart operation panel.
4. Optional structure materials--The mixture structure can be made by food grade SS304, food grade SS316L or other materials required.

Technical parameter

Model	Total Volume(L)	Charge Coefficient	Size(mm)	Mixing Power (Kw)
ZPTD-2	2	50~70%	580*650*560	0.25
ZPTD-17	20	50~70%	650*1000*800	0.37
ZPTD-60	60	50~70%	940*1150*1200	1.1
ZPTD-100	100	50~70%	1000*1300*1350	1.5
ZPTD-200	200	50~70%	1200*1500*1800	2.2
ZPTD-500	500	50~70%	1500*1000*1900	4
ZPTD-1000	1000	50~70%	1900*2400*2400	7.5
ZPTD-2000	2000	50~70%	2600*3000*3200	15
More size can be customized.				

Vertical Spiral Conical Mixer



Product Introduction

This machine is a new type of high-efficiency, high-precision mixing equipment, widely applicable to the mixing of various powdered materials in the pharmaceutical, chemical, and feed industries. The machine's rotation is powered by a motor and cycloidal pinwheel reducer, employing a two-screw asymmetrical stirring mechanism to achieve a large mixing range and fast mixing speed. It is particularly suitable for mixing materials with significant differences in specific gravity and large mixing ratios.

All material contact parts of this machine could be made of stainless steel or carbon steel.

Technical parameter

Model	ZP-0.3	ZP-0.5	ZP-1	ZP-2	ZP-4	ZP-6	ZP-10
Volume	0.3m ³	0.5m ³	1m ³	2m ³	4m ³	6m ³	10m ³
Load coefficient	40%-60%						
Mixing Material size	40-3000microns						
Working conditions	Normal temperature, normal pressure, dust-proof						
Batching capacity	180kg	300kg	600kg	1200kg	2400kg	3600kg	6000kg
Motor power	2.2kw	2.2kw	5.5kw	2.5kw	11kw	20.7kw	20.7kw
Mixing time	4-6min,special material base on actual using						
Machine weight	500kg	1000kg	1200kg	1500kg	2800kg	3500kg	4500kg

Semi-auto Filling Machine



Product Introduction

1. Microcomputer controlled materials and electronic weighing technology, with automatic quantitative, automatic filling, automatic correction error, weight overload alarm, counting, cleaning and other functions.
2. High precision, photoelectric sensor, high precision electronic feedback scale, computer control.
3. Stainless steel structure, easy to clean and corrosion resistant. Transparent material warehouse, the material operation condition is clear.
4. The measuring cup and hopper are linked by fast loading clamp, which is easier to use.

Product use

Suitable for quantitative packing of powdery and powdery materials. Such as flour, milk powder, pesticides, veterinary drugs, dyes, chemicals, food condiments, additives, enzymes, etc.

Technical parameter

Capacity	10-5000g	Dimension	800*750*2100mm
Accuracy	±1%	Control system	PLC & HMI
Measurement type	Auger	Power	220v50hz
Filling speed	5-30 bags/min	Machine weight	200kg

10-50kg Small Bag Packing Machine



Product Introduction

- 1.The machine USES computer metering device, which is accurate, stable and easy to operate.
2. The machine is fully sealed and equipped with a dust-removing port. The structure is reasonable and durable, and the production of environmental protection is truly realized.
3. Small volume, light weight and easy maintenance.pressure, release, the closure of the gate and the lifting bag and other functions.
4. The mechanical and electrical integration, energy saving, the machine can automatically realize the packing bag

Product use

Suitable for fluidity and powder mixtures, such as flour, premix, washing powder, seasoning, corn starch and other powder materials.

Big bag Filling Machine



Product Introduction

It is composed of a weighing sensor mechanism, an upper and lower lift cylinder, a bag blower mechanism, a bag clamping device,a hook mechanism, a dust removal interface, a frame platform, a programmable logic electrical control system, etc., to realize the quantitative packaging process; suitable for powder, granule High-speed quantitative packaging of large bags of material or flakes.

It is usually used with pulse dust collector, automatic tray feeder, vibration lifting platform, ultra-fine powder degassing device, roller conveyor, chain conveyor, pipeline metal detection, ton bag check weigher, etc.

Advantage

- 1.Weighing to the exact weight and clean filling for reliable operation
- 2.Modular system concept with simple retrofitting of additional options without reworking
- 3.Product-dependent selection of materials and surface coatings
- 4.Various product- and variety-dependent setting options
- 5.Simple adaptation to the customer's process through various conveyor systems
- 6.Special versions: ATEX, food, salt, fertilizer, housing, mobile (stationary,semi-mobile or mobile), cleaning functions.
- 7.Drive fulfills explosion proof design requirements even including in food applications
- 8.High availability of additional components thanks to the individually configurable modular system Process
- 9.Durable and low-maintenance due to first-class quality.
- 10.User-friendly, safe and ergonomic design allows the system to be operated by just one person.
- 11.Use of a wide variety of containers such as big bags, octabins, containers,drums.
- 12.Modularly expandable with all auxiliary components to complete a system.

Accessories Display



Adapter



Bounce balls



Butterfly Valve



Level sensor



Motor



Normal Filter



OLI Motor



PP Filter



PVC Pipe



Roots Pump



Rotary Cylinder



Rotary Valve



Screen Frame



Seals



Siemens motor



Soft Connector



Spring



SS Filter



Ultrasonic system



Ultrasonic transducer



Vacuum Pump



Vibration motor



Vibrator



Metal Separator

On site case of automated production line



Automated production line drawings

