

粉体工程专家

Powder Engineering Expert

新乡市华成机械设备有限公司
Xinxiang Huacheng Mechanical Equipment Co., Ltd

COMPANY INTRODUCTION

企业简介

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关于我们

新乡市华成机械设备有限公司位于中国振动筛分机械设备之都——新乡市（振动筛分设备之乡），是全国较早生产振动筛分机械设备的专业厂家，在新乡市人民政府和工业局、商务局的领导下，已经形成集设计、开发、制造、销售为一体的民营股份公司，丰富的制造经验、雄厚的技术力量、高效的管理团队使华成机械成为一流的振动筛分设备制造企业。具有生产设备精良检测手段齐全售后服务完善和一批高素质的技术人才以及科学的管理模式，建立起一套适应本厂实际的现代企业管理制度与质量保证体系。

系列产品：三次元振动筛分过滤机、超声波振动筛分机、无尘投料站、真空上料机、称重计量系统自动化生产线等产品。

公司全面吸收国内外同类产品的先进技术，坚持科技创新，以人文为中心，为客户量身定制一流的高品质的机械设备。公司建有振动机械仿真实验场所和完善的检测系统，对生产出的系列产品进行物理和机械性能测试，使用户订制的设备在品质方面无后顾之忧。

进入新的世纪，华成人将一如既往地以雄厚的技术力量、高品质的产品、和完善周到的技术服务作为不懈进取的准则，以高素质，富有凝聚力的员工队伍，精湛的制造工艺和完备的加工检测设备，生产让客户满意的机械设备与广大新老朋友携手合作，大力开发高效节能、环保的振动机械设备，努力共建节约型和谐社会，共创美好明天。

About Us



COMPANY INTRODUCTION

Xinxiang Huacheng Machinery Equipment Co., Ltd. is located in Xinxiang City (the hometown of vibrating screening equipment), the capital of China's vibrating screening equipment. It is the earliest professional manufacturer of vibrating screening machinery in the country. Under the leadership of the Bureau of Industry and the Bureau of Commerce, a private joint-stock company integrating design, development, manufacturing and sales has been formed. Rich manufacturing experience, strong technical force, and efficient management team make Huacheng Machinery a first-class vibrating screen Equipment manufacturing enterprises. With excellent production equipment, complete testing methods, complete after-sales service, a group of high-quality technical personnel and scientific management mode, we have established a set of modern enterprise management systems and quality assurance systems that adapt to the reality of the factory.

The series of products produced by our company: three-dimensional vibrating sieving filter, ultrasonic vibrating sieving machine, dust-free feeding station, vacuum feeding machine, weighing system automatic production line and other products.

The company fully absorbs the advanced technology of similar products at home and abroad, insists on technological innovation, takes humanity as the center, and customizes first-class high-quality machinery and equipment for customers. The company has built a vibration mechanical simulation experiment site and a complete testing system, and conducts physical and mechanical performance tests on the series of products produced, so that the user-made equipment has no worries in terms of quality.

Entering the new century, Huacheng will continue to use strong technical force, high-quality products, and perfect and thoughtful technical services as its unremitting and enterprising criteria, with a high-quality, cohesive workforce, exquisite manufacturing technology and complete Processing and testing equipment, production of machinery and equipment that satisfy customers, work with new and old friends to work together to develop high-efficiency, energy-saving and environmentally friendly vibration machinery and equipment, and strive to build a conservation-oriented and harmonious society and create a better tomorrow.

气动式真空上料机

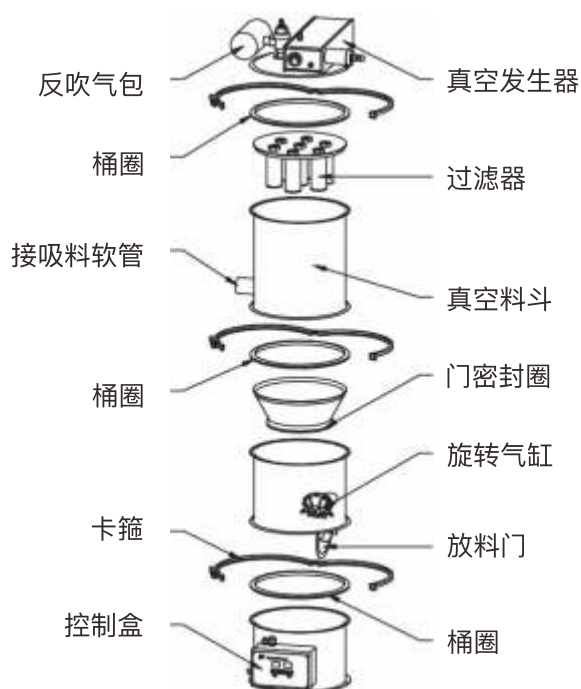
Pneumatic vacuum feeder

气动式真空上料机是利用压缩空气通过真空发生器产生高真空实现对物料的输送，不需要机械式真空泵，具有结构简单、体积小、免维修、噪音低、控制方便、消除物料静电和符合GMP要求等优点。真空发生器产生的高真空，使被输送的物料杜绝了分层现象，保证了混合物料成份的均一性，是压片机、胶囊填充机、干法制粒机、包装机、粉碎机、振动筛等机械自动上料的首选设备。

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.

当压缩空气供给真空发生器时，真空发生器就产生负压形成真空气流，物料被吸入吸料咀，形成物流，经过吸料管到达上料机的料仓内。过滤器把物料与空气彻底分离，当物料装满料仓时，控制器会自动切断气源，真空发生器停止工作，同时料仓门自动开启，物料落到设备的料斗中。与此同时，压缩空气通过脉；中反吹阀自动清洗过滤器。等到时间到或料位传感器发出上料信号时，自动启动上料机。

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.



■ HCSL-1气动式真空上料机

输送量：50~300kg/h

料仓容积：1.1L

工作压力：0.4~0.6Mpa

压缩空气消耗量：180NL/min

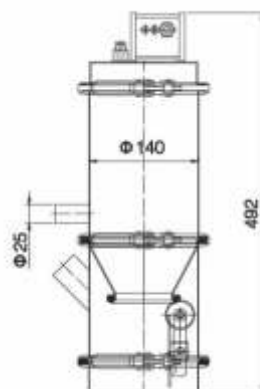
■ HCSL-1 pneumatic vacuum feeder

Conveying capacity: 50~300kg/h

Silo volume: 1.1L

Working pressure: 0.4~0.6Mpa

Compressed air consumption: 180NL/min



■ HCSL-2气动式真空上料机

输送量：100~700kg/h

料仓容积：6.0L

工作压力：0.4~0.6Mpa

压缩空气消耗量：360NL/min

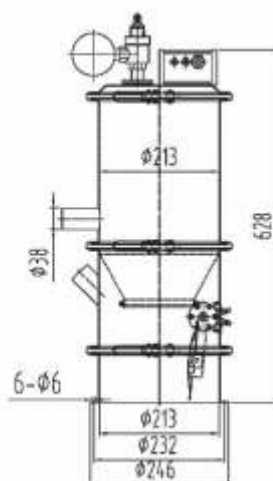
■ HCSL-2 pneumatic vacuum feeder

Conveying capacity: 100~700kg/h

Silo volume: 6.0L

Working pressure: 0.4~0.6Mpa

Compressed air consumption: 360NL/min



■ HCSL-3气动式真空上料机

输送量：300~1500kg/h

料仓容积：12.0L

工作压力：0.4~0.6Mpa

压缩空气消耗量：720NL/min

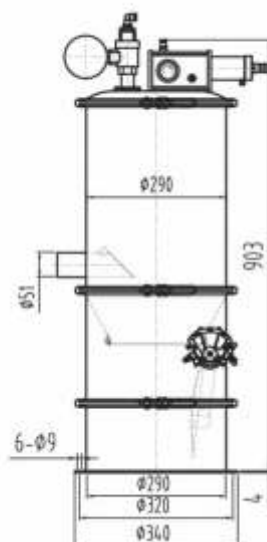
■ HCSL-3 pneumatic vacuum feeder

Conveying capacity: 300~1500kg/h

Silo volume: 12.0L

Working pressure: 0.4~0.6Mpa

Compressed air consumption: 720NL/min



真空加料机

Vacuum feeder

我公司生产的真空加料机是一种粉状料、粒状料、粉粒混合料的真空输送设备。真空加料机能自动地将各种物料输送到包装机、注塑机、粉碎机等设备的料斗中，也能直接把被混合的物料输送到混合机（如V型混合机、二维混合机、三维混合机等）中，减轻了工人的劳动强度，解决了加料时粉尘外溢等问题，是制药厂，食品厂通过“GMP”认证，促进清洁、文明生产的首选设备。

真空加料机由真空泵（无油、无水），真空料斗，过滤器（有聚酯覆膜过滤器、pe过滤器、316L不锈钢过滤器或钛金属过滤器多种选择），压缩空气反吹装置，气动放料门装置，料位自动控制装置，不锈钢吸料咀，输送软管等组成，整套系统设计合理，制造精美。

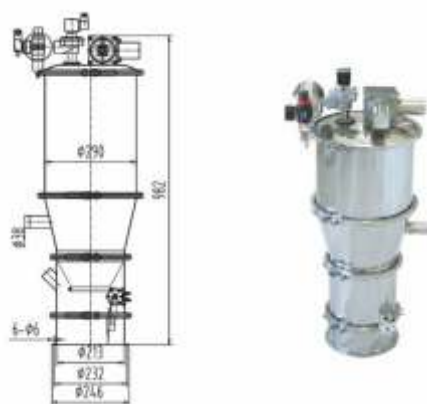
The vacuum feeder produced by our company is a kind of vacuum conveying equipment for powdery materials, granular materials, and powder-grain mixtures. The vacuum feeder can automatically transport various materials to the hoppers of packaging machines, injection molding machines, crushers and other 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 vacuum feeder 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.

技术参数 (Technical parameter)		
型号/Model	电机功率/Motor Power(KW)	输送能力/Conveying capacity(Koh)
HCSL-1	1.5	400
HCSL-2	2.2	600
HCSL-3	3	1200
HCSL-4	5.5	2500
HCSL-6	5.5	3200
HCSL-7	7.5	6000
HCSL-10-6	7.5	6000 (输送距离10米时) When the conveying distance is 10 meters
HCSL-20-5	11	5000 (输送距离20米时) When the conveying distance is 20 meters

注：输送能力是在输送管长4米、输送物料为面粉时测量的。输送管越长，输送能力将下降，并且输送能力与物料的特性也有很大的关系。

■ HC-1/HC-2真空料斗
■ HC-1/HC-2 vacuum hopper



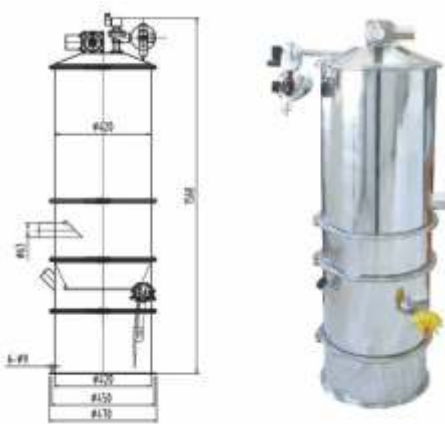
■ HC-3真空料斗
■ HC-3 vacuum hopper



■ HC-4/5/6真空料斗
■ HC-4/5/6 vacuum hopper



■ HC-7真空料斗
■ HC-7 vacuum hopper



■ HC-10-6真空料斗
■ HC-10-6 vacuum hopper



■ HC-20-5真空料斗
■ HC-20-5 vacuum hopper



多种真空加料机形式 Various vacuum feeder forms



■ 混合机用真空上料机
■ Vacuum feeder for mixer



■ 双碟阀真空上料机
■ Double disc valve vacuum feeder



■ 手摇提升式真空上料机
■ Hand lifting type vacuum feeder



■ 连续排料式真空上料机
■ Continuous discharge type vacuum feeder

真空源 Vacuum source



■ 漩涡真空泵
■ Vortex vacuum pump



■ 三级旋涡真空泵
■ Three-stage vortex vacuum pump



■ 三叶罗茨风机
■ Three Leaf Roots Blower



■ 卫生级真空泵
■ Sanitary vacuum pump

无尘投料站

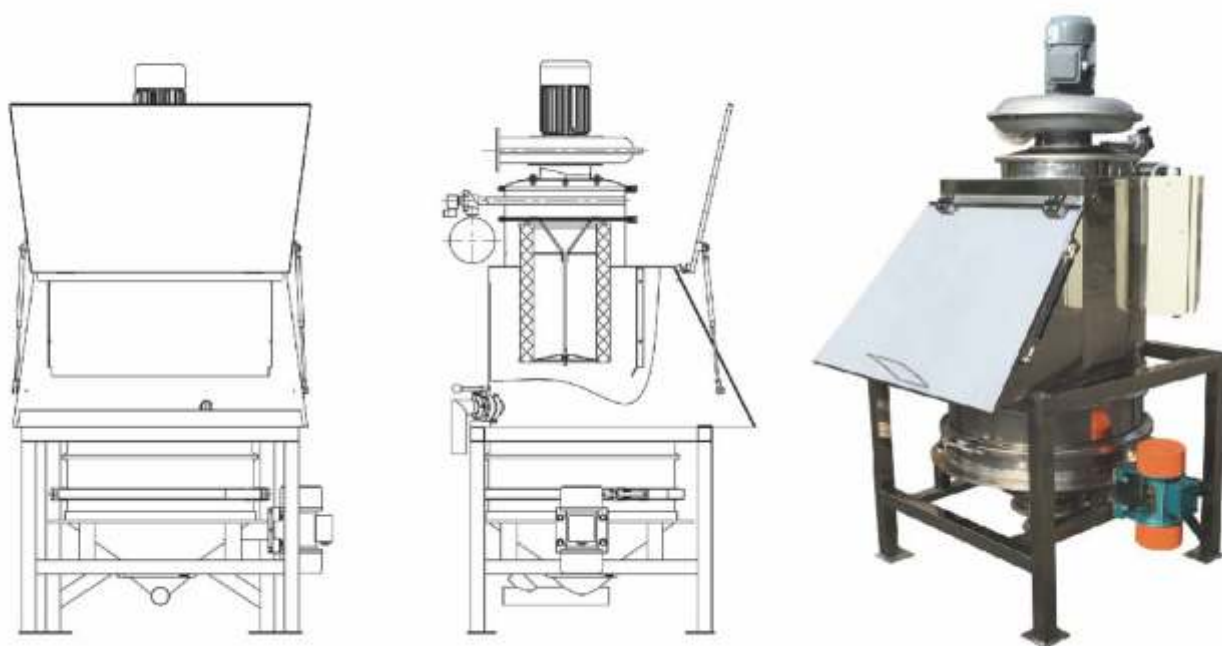
Dust-free feeding station

无尘投料站适用于制药、化工、食品、电池材料等行业中、小袋物料的拆包、投放、筛分和卸料。拆包时由于集尘风机的作用，可以避免物料粉尘到处飞扬。当物料解袋并倒入下一道工序时，只需人工直接拆包投入到该系统，物料通过振动筛（安全筛网）可将大块物料和异物拦截，从而保证符合要求的颗粒排出。

无尘投料站由投料平台、卸料仓、除尘系统、振动筛等部件组成。

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. When unpacking, due to the function of the dust collecting fan, the material dust can be prevented from flying everywhere. When the materials are unpacked and poured into the next process, they only need to be manually unpacked and put into the system directly. The materials pass through the vibrating screen (safety screen) to intercept the bulk materials and foreign objects, so as to ensure that the particles that meet the requirements are discharged.

The dust-free feeding station is composed of feeding platform, unloading bin, dust removal system, vibrating screen and other components.



技术参数 (Technical parameter)

型号 Model	集尘风机 Dust collection fan	振动电机 Vibration motor	除尘过滤器 Dust filter
HC-800	1.1KW	0.18KW	0.4um覆膜聚酯滤筒(Coated polyester filter cartridge)
HC-1000	1.5KW	0.18KW	0.4um覆膜聚酯滤筒(Coated polyester filter cartridge)

Technical drawing of a vacuum drying system, showing the material flow and air flow paths. The system includes a 7.5kw vacuum pump, a 1.5kw vacuum fan, and a material platform. Dimensions are provided for various components.

Material Flow (物料走向): Indicated by arrows showing the path of material from the platform, through the drying chamber, and into the collection bin.

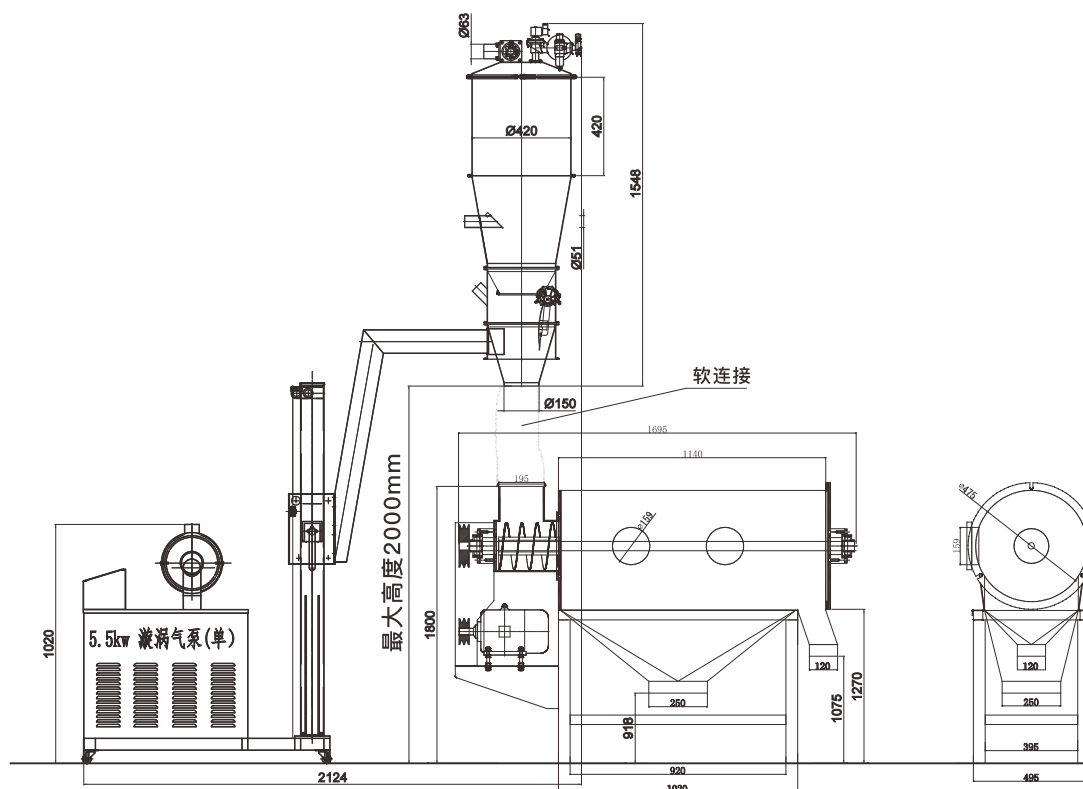
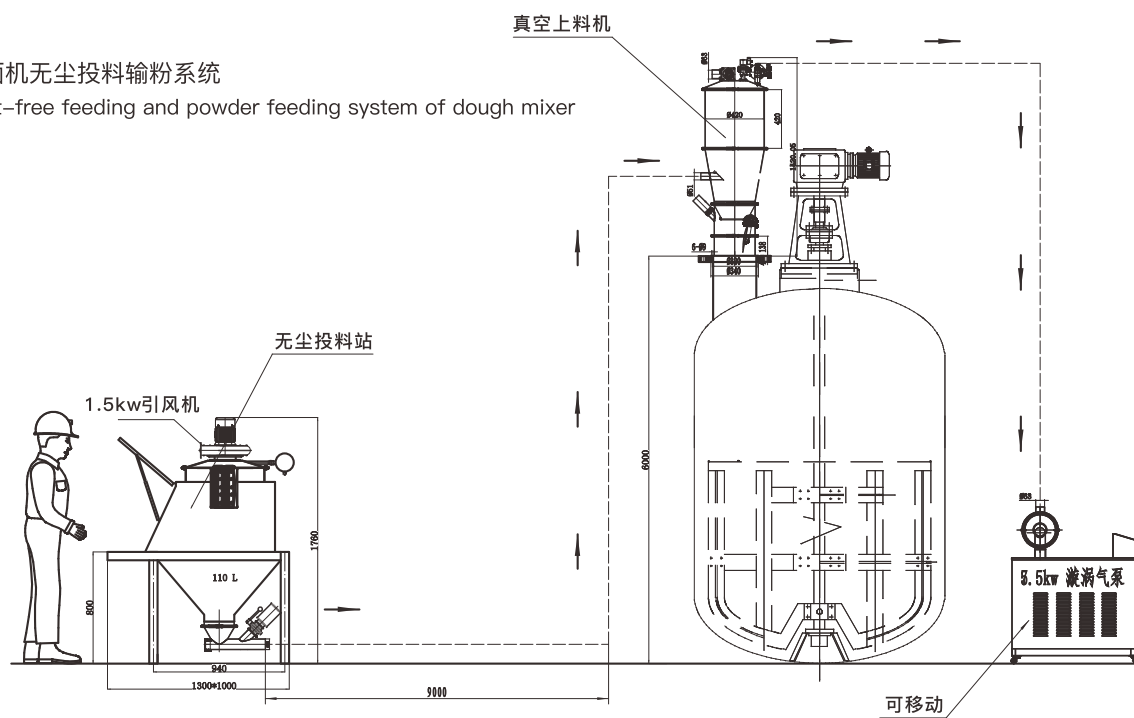
Air Flow (空气走向): Indicated by arrows showing the path of air from the pump, through the fan, and into the drying chamber.

Components and Dimensions:

- 7.5kw旋涡气泵 (7.5kw Vacuum Pump):** Located at the bottom left, with a height of 2400mm.
- 1.5kw引风机 (1.5kw Vacuum Fan):** Located at the top right, with a height of 800mm.
- 投料平台 (Material Platform):** Located at the top right, with a width of 1000mm.
- Dimensions:**
 - Overall height of the drying chamber: 1800mm.
 - Width of the drying chamber: 420mm.
 - Width of the material platform: 1000mm.
 - Height of the material platform: 800mm.
 - Height of the vacuum pump: 2400mm.
 - Height of the vacuum fan: 800mm.

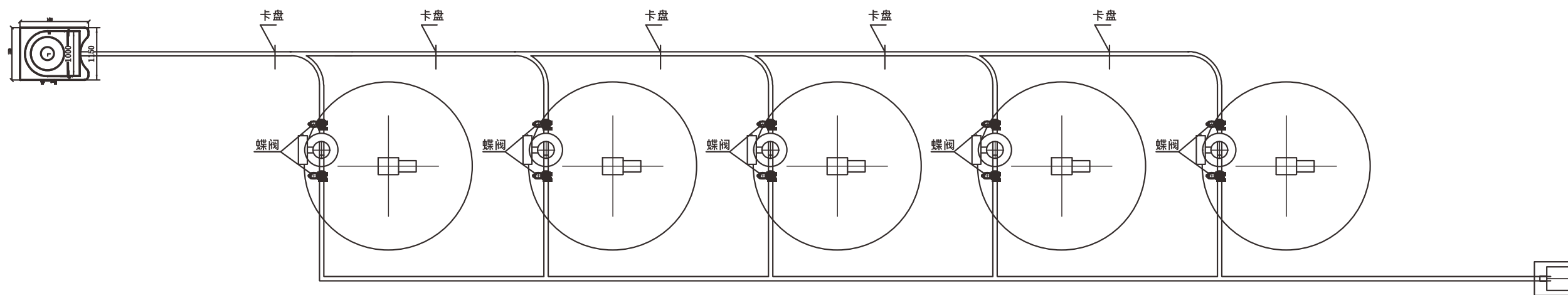
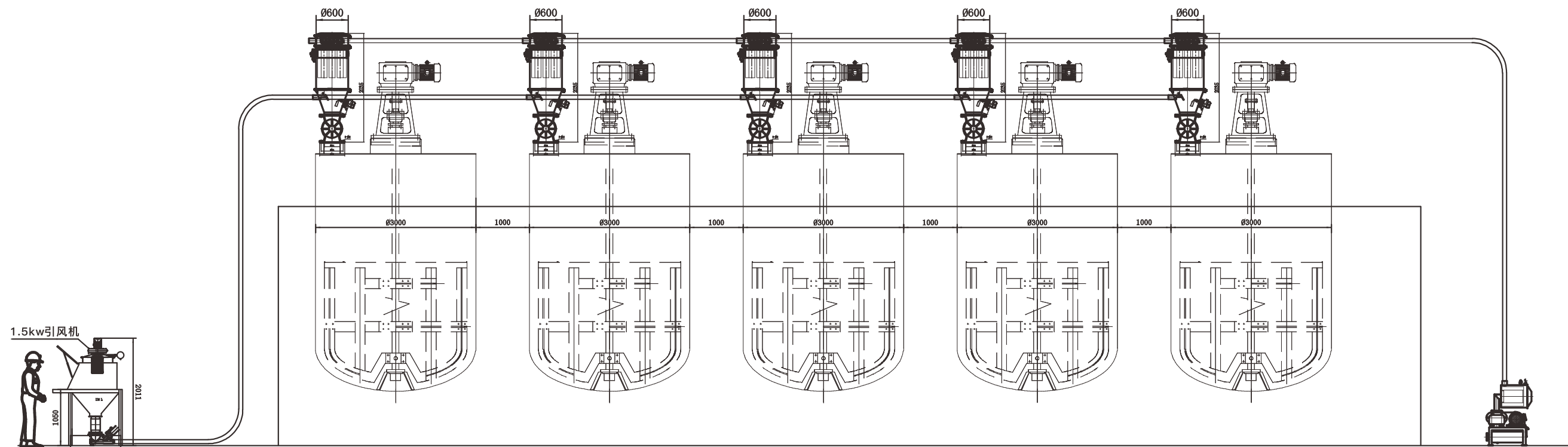
■ 和面机无尘投料输粉系统

■ Dust-free feeding and powder feeding system of dough mixer



■ 移动式真空上料机对接气流筛

■ Mobile vacuum feeder docking airflow screen



■ 一拖五无尘投料输粉系统
■ One for five dust-free feeding and powder conveying system

过滤器形式

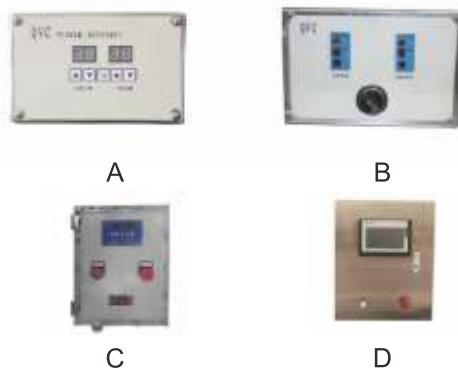
Filter form



- A: 过滤精度0.4um覆膜滤袋
 - B: 过滤精度5um316L不锈钢过滤器
 - C: 过滤精度0.4umPE覆膜过滤器
 - D: 过滤精度5um钛金属过滤器
- A: Filtration precision 0.4um coated filter bag
 - B: 5um316L stainless steel filter
 - C: Filtration precision 0.4umPE membrane filter
 - D: Titanium metal filter with a filtration accuracy of 5um

控制系统

Control System



- A: 单片机控制柜
 - B: 全气控控制柜
 - C: 隔爆控制箱
 - D: PLC控制柜
- A: MCU control cabinet
 - B: Full air control control cabinet
 - C: Flameproof control box
 - D: PLC control cabinet

助流装置

Flow aid



- A: 气锤
 - B: 振动器
 - C: 涡轮振动器
 - D: 流化碟
- A: Air hammer
 - B: Vibrator
 - C: Turbine vibrator
 - D: fluidized dish

吸料装置

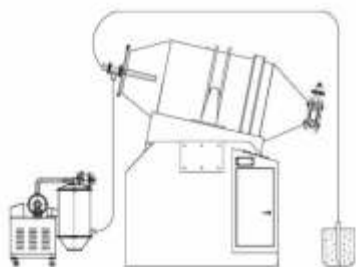
Suction device



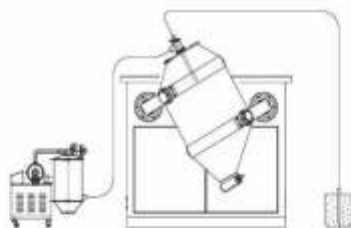
- A: 进料三通
 - B: 手持可调吸料枪
 - C: 吸料适配器
- A: Feeding tee
 - B: Hand-held adjustable suction gun
 - C: suction adapter

真空加料机应用实例

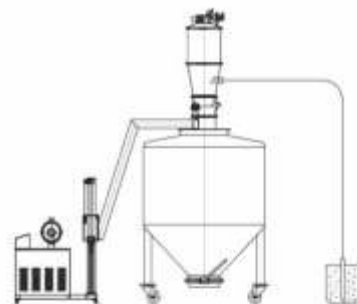
Application examples of vacuum feeder



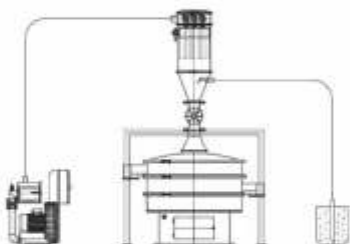
■ 二维混合机加料
■ Two-dimensional mixer feeding



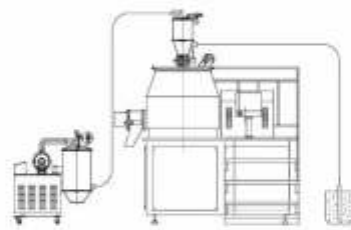
■ 三维混合机加料
■ Three-dimensional mixer feeding



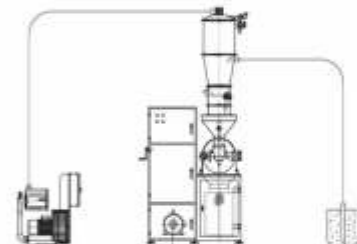
■ 移动式料仓加料
■ Mobile silo feeding



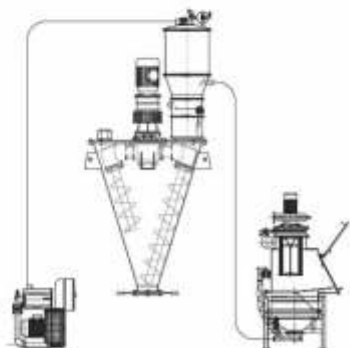
■ 振动筛加料
■ Vibrating screen feeding



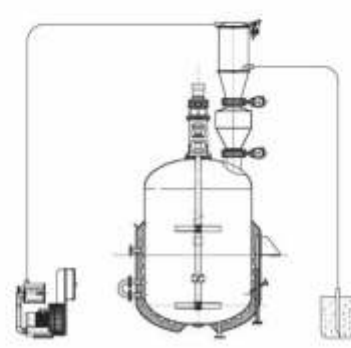
■ 湿法制粒机加料
■ Feeding of wet granulator



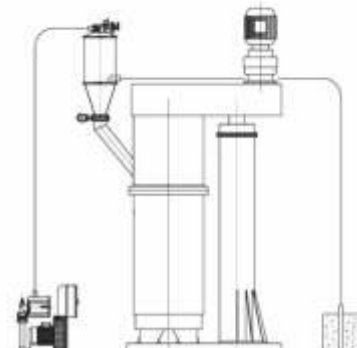
■ 粉碎机加料
■ Crusher feeding



■ 双螺旋混合机加料
■ Double screw mixer feeding



■ 反应釜加料
■ Reactor feeding



■ 搅拌机加料
■ Mixer feeding

粉体真空称重系统

Powder vacuum weighing system

粉体真空称重系统由投料站或物料储仓、真空加料机称重装置、PLC控制器等部件组成，可完成单物料定重量加料或多种物料不同配方配料的自动供料配料。广泛应用于医药、食品、化工、电池材料、建材、冶金、饲料加工等行业。

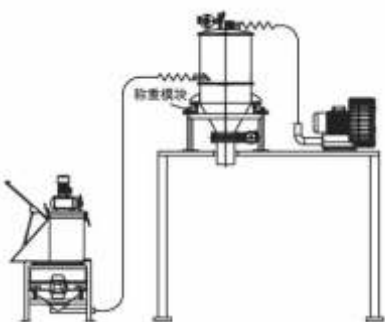
以粉体真空称重系统应用于两种物料自动称重配料为例说明粉体真空称重系统的工作原理。物料A、B分别储存在两个料仓中，粉体真空称重系统开始工作，真空泵启动，物料A料仓底部螺旋放料阀A打开，螺旋启动，物料A被吸入称重料斗中，秤中物料A达到一定重量时，螺旋停止，放料阀A关闭，剩余在输送管中的物料继续被吸入到称重料斗中，吸净后秤中物料A的重量正好是设定的重量。此时，物料B料仓底部螺旋放料阀B打开，螺旋启动，物料B被吸入称重料斗中，秤中物料B达到一定重量时，螺旋停止，放料阀B关闭，剩余在输送管中的物料继续被吸入到称重料斗中，吸净后秤中物料B的重量正好是设定的重量；真空泵停止。

粉体真空称重系统较传统的粉体称重系统具有工艺流程短，称重精度高，可靠性高，设备布局高度灵活，大幅降低厂房高度等优点。根据称重装置在粉体真空称重系统中不同位置，可组成多种加法秤、减法秤，以适应客户的不同要求。

The powder vacuum weighing system is composed of a feeding station or a material storage bin, a weighing device of a vacuum feeding machine, a PLC controller and other components. It can complete a single material fixed weight feeding or automatic feeding ingredients of multiple materials with different formula ingredients. It is widely used in medicine, food, chemical, battery materials, building materials, metallurgy, feed processing and other industries.

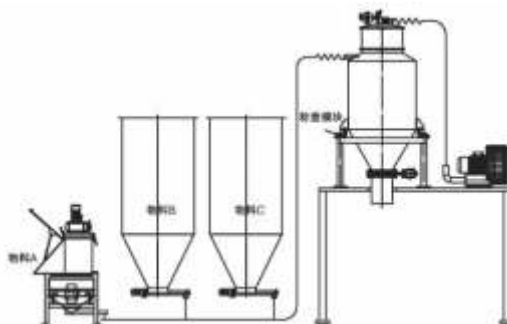
Take the powder vacuum weighing system applied to two kinds of material automatic weighing ingredients as an example to illustrate the working principle of the powder vacuum weighing system. Materials A and B are separately stored in two silos, the powder vacuum weighing system starts to work, the vacuum pump starts, the screw discharge valve A at the bottom of the material A silo opens, the screw starts, and the material A is sucked into the weighing hopper. When the medium material A reaches a certain weight, the screw stops, the discharge valve A closes, and the remaining material in the conveying pipe continues to be sucked into the weighing hopper. After suction, the weight of the material A in the scale is exactly the set weight. At this time, the screw discharge valve B at the bottom of the material B silo opens, the screw starts, and the material B is sucked into the weighing hopper. When the material B in the scale reaches a certain weight, the screw stops, the discharge valve B closes, and the rest is in the conveying pipe. The material in the scale continues to be sucked into the weighing hopper, and the weight of material B in the scale is exactly the set weight after the suction is clean; the vacuum pump stops.

Compared with the traditional powder weighing system, the powder vacuum weighing system has the advantages of short process flow, high weighing accuracy, high reliability, highly flexible equipment layout, and greatly reduced plant height. According to the different positions of the weighing device in the powder vacuum weighing system, a variety of addition scales and subtraction scales can be formed to meet the different requirements of customers.



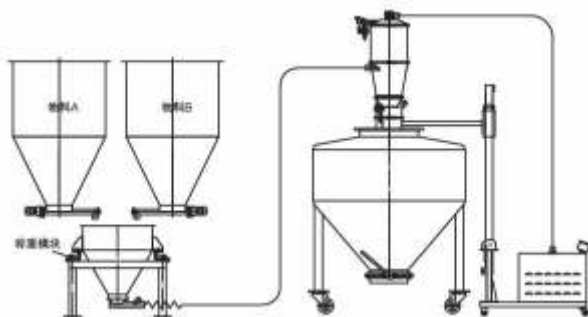
■ 单物料真空称重系统

■ Single material vacuum weighing system



■ 多物料真空称重系统

■ Multi-material vacuum weighing system



■ 多物料真空称重系统

■ Multi-material vacuum weighing system

型号说明:

HC ()-()-()

■ 真空加料机型号

1: 配HC-1 2: 配HC-2 3: 配HC-3 4: 配HC-4 6: 配HC-6 7: 配HC-7
10-6: 配HC-10-6 20-5: 配HC-20-5

■ Vacuum feeder model

1: With HC-1 2: With HC-2 3: With HC-3 4: With HC-4 6: With HC-6 7: With HC-7
10-6: equipped with HC-10-6 20-5: equipped with HC-20-5

■ 称重物料种类

1.单物料称重 2.两种物料配料称重 3.三种物料配料称重 4.多于三种物料配料称重

■ Weighing material type

1. Single material weighing 2. Two material ingredients weighing
3. Three kinds of material ingredients weighing
4. More than three kinds of material ingredients weighing

■ 秤斗容积

30L 100L 200L 500L 1000L 2000L 3000L 5000L

■ Bucket volume

30L 100L 200L 500L 1000L 2000L 3000L 5000L

■ 产品系列号

HC: 粉体真空称重系统

■ Product serial number

HC: powder vacuum weighing system

■ 如HC100-1-2表示

真空称重系统其秤斗容积100升, 称重1种物料, 配HC-2真空加料机。

■ Such as HC100-1-2 said

The vacuum weighing system has a weighing hopper with a capacity of 100 liters, weighing 1 kind of material, equipped with HC-2 vacuum feeder.

■ 如HC500-2-7表示

真空称重系统其秤斗容积500升, 称重2种物料, 配HC-7真空加料机。

■ Such as HC500-2-7 said

The vacuum weighing system has a weighing hopper with a capacity of 500 liters, weighs 2 kinds of materials, equipped with a HC-7 vacuum feeder.



■ 称重系统应用实例

■ Weighing system application examples

周转料斗

Turnover hopper

用途

Use

HC方形周转料斗在固体制剂生产流程中是主要的周转容器。用于制药、食品、化工的散装物料在各操作过程中的储存、转运等工艺操作。可有效防止粉尘交叉污染。完全符合GMP要求。

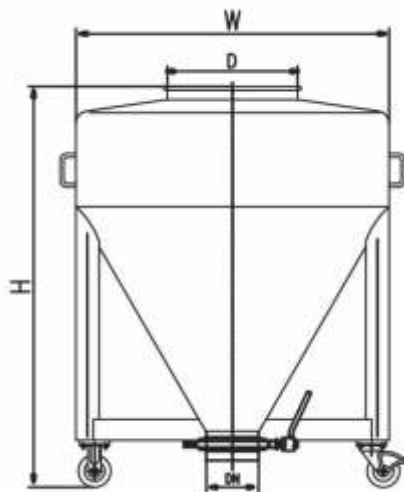
The HC square turnover hopper is the main turnover container in the solid preparation production process. It is used for the storage and transshipment of bulk materials in pharmaceuticals, food and chemical industries during various operations. Can effectively prevent cross-contamination of dust. Fully comply with GMP requirements.

特点

Features

周转料斗采用优质不锈钢制作，具有高强度的结构，内外表面所有转角均圆弧过渡，无死角，无残留。平滑的焊接和精细的内、外表面抛光处理，可满足客户高标准的要求。进料口的盖子采用硅橡胶密封，出料口配备硅胶密封蝶阀，确保料斗的密封性，符合FDA要求。

The turnover hopper is made of high-quality stainless steel and has a high-strength structure. All corners of the inner and outer surfaces are arc-transitioned, with no dead ends and no residues. Smooth welding and fine internal and external surface polishing can meet the high standards of customers. The lid of the feed port is sealed with silicone rubber, and the discharge port is equipped with a silicone sealing butterfly valve to ensure the tightness of the hopper and meet FDA requirements.



规格型号

Specification model

型号	主要尺寸 (mm)				壁厚	容积
	W	H	D	DN	MM	L
HC-500	1000	1345	495	200	2.5	500
HC-600	1000	1373	495	200	2.5	600
HC-800	1000	1502	495	250	2.5	800
HC-1000	1200	1517	495	250	2.5	1000
HC-1500	1200	1794	495	250	3.0	1500
HC-1800	1200	1964	495	250	3.0	1800
HC-2000	1200	2169	495	250	3.0	2000

吨袋投料站

Ton Bag Feeding Station

吨袋拆包机是通过电动葫芦或叉车提升吨包至进料口，进行压袋，打开吨袋卸料口，并辅以拍打装置或震动装置促使物料落到下方料斗中。吨袋拆包机广泛应用于食品、化工、制药、塑料、锂电池、新材料等行业吨包包装的粉料、颗粒料进行拆包卸料。

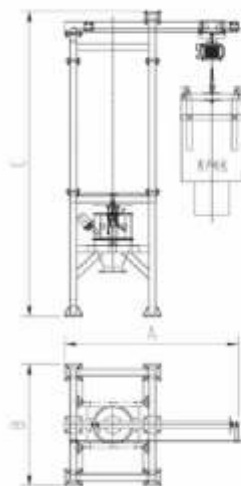
吨袋拆包机由夹袋机构、电动葫芦、吨袋吊架、自动气缸拍打装置或震动装置、吸尘器、设备支架等组成，整套结构设计合理，操作方便，密闭式开袋，杜绝粉尘飞扬，改善工作环境，下料完全，残留料少。

吨袋拆包机下料口可接料仓、螺旋输送机、旋转卸料阀、破碎机、电磁除铁器、真空上料机等设备。

The ton bag unpacking machine uses an electric hoist or a forklift to lift the ton bag to the feeding port, press the bag, open the ton bag discharge port, and be supplemented by a flapping device or a vibration device to promote the material to fall into the lower hopper. Ton-bag unpacking machines are widely used in the unpacking and unloading of powder and granular materials that are packed in tons of bags in the food, chemical, pharmaceutical, plastic, lithium battery, and new materials industries.

The ton bag unpacking machine is composed of bag clamping mechanism, electric hoist, ton bag hanger, automatic cylinder flapping device or vibration device, vacuum cleaner, equipment bracket, etc. The whole set of structural design is reasonable, easy to operate, closed bag opening, preventing dust flying and improving Working environment, complete blanking and less residual material.

The discharge port of the ton bag unpacking machine can be connected to the silo, screw conveyor, rotary discharge valve, crusher, electromagnetic separator, vacuum feeder and other equipment.



■ 外形尺寸图
■ Dimensions



■ 吨袋拆包机
■ Ton bag unpacking machine



■ 吨袋、小袋一体机
■ All-in-one machine for ton bags and small bags

技术参数 (Technical parameter)

型号 Model	长x宽 (mm) Length x width	电葫芦规格 Electric hoist specifications	除尘风机功率 (KW) Dust removal fan power	A (mm)	B (mm)	C (mm)
HC800	800×800	1T	1.1	2000	1530	3650
HC1000	1000×1000	2T	1.1	2270	1530	4200
HC1400	1400×1400	2T	1.1	2500	1930	4500

振动筛（药丸筛、颗粒筛）

Vibrating screen (pill screen, particle screen)

多层直线振动筛是利用振动电机激振的原理，使物料在筛面上被抛起，同时向前作直线运动，加以合理匹配的筛网从而达到筛分的目的。本机由机座、振动室、振动电机、减振器等组成，该机振动平稳、噪音极低、操作简单、筛分性能优秀，符合“GMP”要求被广泛应用于医药、食品、化工等行业丸剂、颗粒料的筛分。

HC-1型振动筛被众多制药厂用于丸剂生产线的药丸筛分和颗粒冲剂筛分。该机采用独特的筛孔形状设计，保证药丸严格按照规定尺寸顺利筛分，使药丸难以堵塞筛孔，匹配以合理的振动参数，显著提高了工效，生产能力较传统筛分机有较大提高。

The multi-layer linear vibrating screen uses the principle of vibration motor excitation, so that the material is thrown up on the screen surface, and at the same time, it moves forward in a straight line, and the screen is reasonably matched to achieve the purpose of screening. This machine is composed of a machine base, a vibration chamber, a vibration motor, a shock absorber, etc. The machine has stable vibration, extremely low noise, simple operation, and excellent screening performance. It meets the requirements of "GMP" and is widely used in medicine, food, chemicals, etc. Industry Pills, granular material sieving.

The HC-1 vibrating screen is used by many pharmaceutical factories for pill screening and granule screening in the pill production line. The machine adopts a unique sieve shape design to ensure that the pills are screened smoothly in strict accordance with the specified size, making it difficult for the pills to block the sieve holes, matching with reasonable vibration parameters, significantly improving the work efficiency, and the production capacity is greatly improved compared with the traditional sieving machine.



技术参数 (Technical parameter)

型号 Model	筛网面积 (m2) Screen area	振次 (rpm) Vibration times	振幅 (mm) Amplitude	筛网层数 (层) Screen layers	功率 (kw) Power
HC-1	0.5	1450	1-3	1-4	2×0.18
HC-2	0.7	1450	1-3	1-4	2×0.25
HC-3	1.0	960	1-3	1-4	2×0.25
HC-4	1.2	960	1-3	1-4	2×0.37

三元次系列振动筛分过滤机

Three yuan series vibrating screening filter

工作原理

Working principle

振动筛分过滤机由直立式电动作激振源，因为其上下端重锤安装在发动机轴两侧，使电机的旋转运动转变为垂直、水平和倾斜的三次元运动。通过改变上、下端重锤间的相位角，可以改变物料在筛面上的运动轨迹。

The vibrating sieving filter 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.

原料旋转方向	相位角	特点	主要用途
	0°	材料从中心整齐散步到四周	一般分级快速筛分易于筛分材料
	15°	启动涡（漩）流运动	用于普通筛分操作
	35°	最长涡（漩）流运动	精确分级用于对细粉，高浓缩材料，以及多水材料进行分级
	95°	材料集中到中心	分离用于湿型分级材料中的废料

产品特点

Features



- 1、高效、设计精巧、耐用，适合任何粉类以及粘性液体的筛分。
- 2、筛网无阻塞，粉末无飞扬，过滤最细可达500目。
- 3、杂质以及粗料自动排出，适合综合操作。
- 4、无机械作用，易于养护，可单层或多层使用。
- 5、操作简单，换网方便，易于清洗。
- 6、尺寸小，节省空间，易于移动。
- 7、所有产品的接触部分的材料均为SUS27（#304）。
- 8、筛网设计独特耐用，换网只需3-5分钟。

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 SUS27 (#304).
8. The screen design is unique and durable, and it only takes 3-5 minutes to change the screen.

适用范围

Scope of application

化工行业：树脂、工业、药品、化妆品、油漆、中药粉等。

食品行业：糖粉、淀粉、食盐、米粉、奶粉、豆浆、蛋粉、酱油、果汁等。

金属、冶金矿业：铝粉、铅粉、铜粉、矿石、合金粉、焊条粉末、二氧化锰、电解铜粉、电磁性材料、研磨粉、耐火材料、高岭土、石灰、氧化铝、重质碳酸钙、石英砂等。

其他行业：废油、废水、染整废水、造纸、助剂、活性炭等。

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.

超声波振动筛

Ultrasonic vibrating screen

工作原理

Working principle

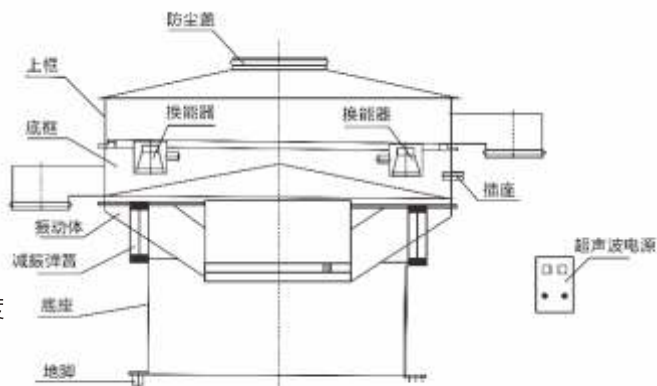
超声波振动筛的基本原理是振荡器产生的高频电振荡由换能器转换正弦，和纵向振荡。这些波动被传输到预先调好的棒式共振器，然后均匀传输至筛面。

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.

产品特点

Features

- 1、具备自洁功能网孔不堵塞。
- 2、改变筛分物料的特性。
- 3、无需添加弹球等防堵装置筛网使用寿命长。
- 4、适用于40-635目尤其是筛分100目以下颗粒。
- 5、筛分粒度可提高1-70%产量最大提高10倍。
- 6、筛分粒度特高有效解决强吸附性，易团聚、高静电、高密度比重轻等筛分难题。



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.



一般技术参数

General technical parameters

型号	参数	类别	参数
频率	35KHZD	电器制和尺寸	300mm×300mm×300mm
电源	220V-240V50/60HZ	壳体	1p65
工作模式	连续工作式	调整幅度	50-100%
最高环境温度	-10-45°C	共振器	插头式

合作企业

Cooperative enterprise





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