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**上海如昂机电科技有限公司**  
**上海如昂超声波设备有限公司**

## 公司简介 Company profile

上海如昂超声波设备有限公司，坐落于“中国经济中心”——上海，是国内专业生产超声波技术的高科技企业、专业从事粉体筛分设备、真空上料设备、自动化整体解决方案。致力于精细化筛分领域、依托强大的研发团队及可靠的技术支持、产品取得国内外客户的认可、在业内享有很高的知名度、其技术已位居国内领先水平、公司以研发、生产、销售、服务为一体。

公司建立以来，以生产为基地，以市场为依托，严格按ISO9001认证企业的标准为原则，本着“务实、开拓、创新”的企业精神，不断加强科技创新、争做一流品牌。

Shanghai Ruang Ultrasonic Equipment Co., Ltd. It located in China's economic center - Shanghai. Our company is specialized in developing and producing with ultrasonic technology of high and new technology enterprise, specializing in powder sieving equipment, vacuum feeding equipment, automated whole solution. Committed to the field of fine screening, relying on the powerful R&D team and reliable technical support, products to achieve customer recognition at home and abroad, enjoying high reputation in the industry, its technology has been in the domestic leading level, the company to research on development and production, sales and service as a whole.



## 超声波筛分系统 Ultrasonic sieving system

### RA-35D发生器简介 RA-35D generator introduction

RA-35D超声波筛分系统，主要针对比重大，物料容易卡网。低频率，大振幅，能够使筛上物料整体加速运动，细小物料容易通过，筛上物不易卡在网孔里。物料的筛分效率明显提高。工作模式多样，适合多种物料。

RA-35D ultrasonic sieving system mainly aim at high density material, which tend to cause mesh blocking. In terms of low frequency and large amplitude, it is able to make overall material accelerated on the sieve, advance fine material easily through the sieve, without stoppage in the mesh, so as to improve sieving efficiency obviously. To offer more operation mode for different materials.



超声波发生器

### 技术参数: Technical parameter

输入电压: 220V交流电, 输入电流: 0.3A  
输出频率: 30±1KHz  
输出功率: 30W~60W  
工作温度: -15摄氏度~摄氏65度  
工作湿度: 0~95%

Input voltage: AC 220V, input current: 0.3A  
Output Frequency: 30±1KHz  
Output Power: 30W~60W  
Operation Temperature: -15°C~65°C  
Operation humidity: 0~95%

### 超声波换能器 Ultrasonic transducer



#### 功能介绍Function introduction:

超声波换能器是将超声波发生器（电源）供给的电转化为机械振动能量的功能性模块。

Ultrasonic transducer is a functionality module that transforms the electric energy by ultrasonic generator into mechanical energy

#### 技术参数

振动元件: 压电陶瓷片采用欧洲进口元件  
结构材质: 钛合金  
密封设计: 密封设计阻止粉末进入系统，以避免燃烧或爆炸



### 技术参数 Parameters

| 型号Model     | 频率Frequency (KHZ) | 谐振阻抗Resonant Impedance (Ω) | 电容Capacitance (PF) | 输出功率Output Power (W) |
|-------------|-------------------|----------------------------|--------------------|----------------------|
| RA-HN30B4W  | 35.5              | ≤ 20 Ω                     | 4000 ± 10%         | 30-60                |
| RA-HN30B4WL | 28.0              | ≤ 15Ω                      | 4000 ± 10%         | 30-60                |

RA-35E超声波系统简介 RA-35E Generator Introduction

RA-35E超声波筛分系统是我司新研发的智能超声波控制系统，整套系统智能闭环控制。除了提升筛分的产量和精度外，系统还联动控制上下游筛分设备，时时监控各设备的运行状态，实现真正的系统控制，智能控制。让筛分变得更简单、自由！

RA35E ultrasonic sieving system is our newly developed intelligent ultrasonic control system, and the entire system is intelligent closedloop control. In addition to increasing the productivity and accuracy of sieving. The system is a linkage control upstream and downstream sieving equipment, and constantly monitors the operating status of each equipment to achieve true system control and intelligent control. Make the sieving easier and more free

技术参数 Parameters

- 输入电压：220v交流电，输入电压：0.3A
- 输出频率：H:高频（30k~35k）  
L:低频（25~28k）
- 输出功率：60W-150W
- 工作湿度：-15摄氏度-摄氏65度
- 工作湿度：0-95%

发生器的四种型号：

- A:标准配置
- B:联动控制
- C:远程控制
- E:联动+远程



功能说明

- 电路选用先进IGBT功率器件和高速DSP芯片。使用单片机智能控制。
- 自动频率跟踪功能，能根据使用的实际情况自动匹配。
- 具有故障报警功能，使用中如果超声工作异常，发生器能自动识别，并输出报警指示，同时切断超声输出。
- 超声输出功率（振幅）分为高中低可调。
- 超声输出模式分为连续和脉冲，脉冲暂定开启2S关闭2S。
- 留有远程操作接口，方便客户控制使用。
- 联动控制上下游设备，一体化监测控制。
- 系统带有除静电装置，能导走筛分过程中物料产生的静电。

联动控制柜介绍

- 联动控制柜包含
- 智能超声波发生器
- 上下游设备电气控制器
- 设备故障报警系统
- 联动控制系统



应用案例图

智能超声波联动控制系统+超声旋振筛



注：联动控制系统不仅仅应用在超声精细筛分上；还可以应用在超声振动給料设备上。可以跟筛机配合使用；也可以配合上游給料设备。客户客户现场需要，多重搭配。

## 超声波振动筛 Ultrasonic vibrating sieve

### 产品简介 Product introduction

超声波筛分系统由超声波谐振电源、振荡器、共振环组成。超声波谐振电源产生的高频电振荡由振荡器转换成高频三次元振荡波，这些振荡波传到共振环上使共振环产生共振，然后由共振环将振动均匀传输至筛面。筛网上的物料在做低频三次元振动的同时，叠加上超声波振动，既可防止网孔堵塞，又可提高筛分产量和质量。

Ultrasonic vibration sieving system is composed by power supply of the ultrasonic resonance, oscillator and resonant ring. The high frequency electric oscillation produced by the ultrasonic resonant power supply is transformed into high frequency 3D oscillation wave by the oscillator. The oscillation wave is then transferred to the resonant ring which then transfers the vibration evenly onto the mesh surface. The ultrasonic vibration together with the 3D low frequency vibration prevents mesh blocking, and meanwhile improves the sieving output and quality.

### 产品特点 Features

- 筛选效率提高50%~800%
- 高效解决堵网问题
- 充分保护筛孔尺寸，保证筛选物料的细致合格度
- 减少筛选分级层数，降低振动筛设备及维护成本
- 避免使用弹跳球，不污染物料，充分保护筛选物料质量
- 超声波模块的输出振幅可调，适合不同粉体的筛分
- 真正解决了因静电、团聚、强吸附性等原因所造成的难筛分现象
- 独特的超声波换能头安装设计，避免换能头与物料接触，避免由于换能头发热导致物料变性，能更好的保护换能头的正常运行，维护及维修也极为方便

### 适用行业 Application

树脂、涂料、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。

医药行业：中西药粉、中药药液、工业药液、工业药品、纤维素等陶瓷：泥浆、釉料、陶瓷原料

### 技术参数 Parameters

| 型号<br>Model | 功率kw<br>power kw | 筛面直径mm<br>Screen<br>diametermm | 有效面积M <sup>2</sup><br>Valid area M <sup>2</sup> | 外形尺寸mm<br>dimension mm | 筛网规格<br>sieve mesh<br>number | 网层数<br>Network layer |
|-------------|------------------|--------------------------------|-------------------------------------------------|------------------------|------------------------------|----------------------|
| RA-600      | 0.55kw           | 560                            | 0.2375                                          | 600*720                | 2-800目                       | 1-5                  |
| RA-800      | 0.75kw           | 760                            | 0.4416                                          | 800*820                |                              | 1-5                  |
| RA-1000     | 1.1kw            | 950                            | 0.7085                                          | 1000*900               |                              | 1-5                  |
| RA-1200     | 1.5kw            | 1150                           | 1.0385                                          | 1200*1020              |                              | 1-5                  |
| RA-1500     | 2.2kw            | 1430                           | 1.6052                                          | 1500*1160              |                              | 1-5                  |
| RA-1800     | 3kw              | 1700                           | 2.4593                                          | 1800*1320              |                              | 1-5                  |



## 摇摆筛 Swing sieve

### 产品简介 Product introduction

摇摆筛的设计师为了满足大产量，高精度筛分的厂家而设计的一种高效筛分机，最简单的筛分是双眼注视双手筛分，摇摆筛分机就是对此的机械模拟，它是目前最有效的模拟人工筛分运动的有效原理（筛分精度、效率、筛网寿命均是常规圆筛的5-10倍），符合所有精细与超细范围的粉末与微粒状物料，特别适合难以处理的物料。

Swing sieve is designed to meet the manufacturers' demand for the large output, high precision screen, and the special design of a highly efficient screening machine. For sieving with your eyes focusing on hands is the most simple way, swinging sieving machine is the mechanical simulation, it is the most effective principle to simulate the artificial sieving operation (sieving accuracy, efficiency, life of sieving mesh are 5 to 10 times that of conventional circular sieve) so far, which are fit to deal with all range of fine and ultra-fine powder and particle materials, especially suitable for those materials hard to process.

**温馨提示：**配套专业超声波系统，筛分效率可提升2-3倍

Reminder: supporting professional ultrasound system, screening efficiency can be increased 2-3 times

### 产品特点 Features

- 高达5倍的单位面积产出
- 精确到6级分离，筛分效率高达90%-99%
- 使用硅橡胶球、超声波等高效清网装置系统，筛孔不会堵塞
- 密闭除尘，操作安全
- 加速度比振动筛低4-5倍，筛分零件寿命提高而维护减少
- 噪音低 < 75分贝

### 适用行业 Application

摇摆筛广泛用于化工、医药、食品与香料、茶叶、饲料、塑料、橡胶、化肥、糖盐业、再生资源、EPS、PVI、PVC、树脂等行业对精细物料的分极处理等作业。

### 技术参数 Parameters

| 型号<br>Model | 有效面积<br>Effective area | 有效直径<br>Effective<br>diameter | 筛分层数<br>Sieving layer | 电机功率<br>Motor power | 相关尺寸<br>Relevant<br>dimensions | 清洁系统<br>Clean way                                            |
|-------------|------------------------|-------------------------------|-----------------------|---------------------|--------------------------------|--------------------------------------------------------------|
| RA-1000     | 0.67                   | 980                           | 1-5                   | 1.5kw               | 980/900                        | 弹跳球<br>转筒刷<br>超声波<br>Bounce ball<br>drum brush<br>ultrasonic |
| RA-1200     | 1.13                   | 1250                          | 1-5                   | 2.2kw               | 1250/1110                      |                                                              |
| RA-1600     | 1.83                   | 1580                          | 1-5                   | 3kw                 | 1580/1400                      |                                                              |
| RA-2000     | 2.63                   | 1880                          | 1-5                   | 4kw                 | 1880/1800                      |                                                              |
| RA-2600     | 5.3                    | 2650                          | 1-5                   | 5.5kw               | 2650/1900                      |                                                              |



## 超声波检验筛 Ultrasonic test sieve

### 产品简介 Product introduction

超声波检验筛是如昂公司工程师在RA-200S筛的基础上研发的高科技自动化微细粉分级设备,是当前实验室在做自动化微细粉分样筛选时网孔堵塞的最有效的解决仪器。可广泛应用于制药、冶金、化工、选矿、食品等行业的实验室,具有筛分精度高、网孔不堵塞等特点,真正解决了因团聚、静电、强吸附性卡堵网孔等实验室筛分难题,是国内筛分行业的一项重大技术突破。

Ultrasonic test sieve is a Hi-Tech automated fine powder grading device. It is the latest developed by R&D engineers based on RA-200s sieve. Now it is the most effective solution with mesh clogging, the main can be used micro-powder sorting screening on laboratory. It has the characteristics of high screening accuracy, no clogging of mesh, etc. It truly solves the problems of reunion, static electricity, strong adsorption and blocking meshes, etc. The screening problem is a major technological breakthrough in the domestic screening industry. Widely used in laboratories of pharmaceutical, metallurgy, chemical engineering, beneficiation, food and other industries.

### 产品特点 Features

1. 测量精度高
2. 筛分网孔不堵塞
3. 解决强吸附, 易团聚, 高静电, 高密度, 比重轻
4. 操作简单, 智能控制
5. 工作模式可任意切换并叠加
6. 记忆储存 1-9种筛分程序随时选用

### 技术参数 Parameters

| 序号<br>Serial number | 名称<br>name | 单位<br>Unit                 | 数值<br>numerical   |
|---------------------|------------|----------------------------|-------------------|
| 1                   | 电压         | V/Hz                       | 220 / 50          |
| 2                   | 功率         | W                          | 70                |
| 3                   | 标准筛具       | 层                          | 1-8               |
| 4                   | 筛具直径       | mm                         | φ200              |
| 5                   | 投料量        | g                          | ≤250              |
| 6                   | 振动频率       | n/min                      | 1440              |
| 7                   | 时间控制       | min                        | 1-60              |
| 8                   | 超声波频率      | Hz/s                       | 30K-38K           |
| 9                   | 运动模式       | 三维抛物运动                     |                   |
| 10                  | 适合物料       | 粉末/颗粒                      |                   |
| 11                  | 控制模式       | 单项模式切换/双项模式叠加/记忆存储1-9种筛分程序 |                   |
| 12                  | 重量         | Kg                         | 35                |
| 13                  | 外形尺寸       | mm                         | 400mm*350mm*550mm |



## 直排式振动筛分机 Direct discharge type vibrating sieves

### 产品简介 Product introduction



直排式振动筛也叫直排振动筛,分单振源和双振源两种,它是在圆振动筛分机的功能基础上改进的,它是利用两台振动电机作为振动源,物料从中间进入投料口,通过筛分,直接从底部中间出料口排出,适用于受安装条件的限制或大批量连续作业。满足各种不同比重物料的最佳筛分效果。主要用于粉体生产线工艺流程中的粉体的除杂,筛松作用

Direct discharge type vibrating sieves are also called Free-discharge sieves, which are divided into single vibrating source and double vibrating source, it is developed by the foundation on circular vibrating sieve, utilize two vibration motors as vibrating source. After sieving, the materials directly may be discharged into the middle bottom via the middle feeding port, be applicable to installed limitation or continuous operation on large quantity. To meet the best sieving results for various materials of different density. Mainly be used on powder production line in the process of powder purified, and sieving into loose effect

**温馨提示:** 配套专业超声波系统, 筛分效率可提升2-3倍

Reminder: supporting professional ultrasound system, screening efficiency can be increased 2-3 times

### 产品特点 Features

- 结构简单, 操作方便、处理量大、生产率高、拆装维护方便
- 耗能低, 噪音低, 筛分效率高
- 不受占地空间安装条件的限制
- 自动化工作, 可24小时连续工作
- 密封严谨, 液体不泄露, 粉尘不飞扬
- 易清理, 无卫生死角, 符合食品级GMP规范

### 适用行业 Application

多用于面粉、淀粉、洗衣粉、金属粉、添加剂、化工、非矿等行业的颗粒粉末的粗略筛分、精密筛分, 处理量大、易与生产线结合。可在600MM至1800MM之间选择。

### 技术参数 Parameters

| 型号规格<br>Model | 电机功率<br>Motor power(KW) | 筛面直径<br>Screen surface<br>diameter (mm) | 外形尺寸<br>Overall<br>dimensions(mm) | 网层数<br>Mesh layer |
|---------------|-------------------------|-----------------------------------------|-----------------------------------|-------------------|
| RA-600        | 0.12                    | 560                                     | 740*600*560                       | 1                 |
| RA-800        | 0.15                    | 760                                     | 1010*800*600                      | 1                 |
| RA-1000       | 0.18                    | 930                                     | 1200*970*640                      | 1                 |
| RA-1200       | 0.25                    | 1130                                    | 1430*1170*700                     | 1                 |
| RA-1500       | 0.55                    | 1430                                    | 1780*1470*760                     | 1                 |



产品简介 Product introduction



Ra系列直线振动筛是如昂公司的成熟产品之一，有多年的设计、制造历史。采用优质的上海振动电机作为动力源，使物料在筛网上被抛起的同时向前做直线运动，可配备单层或多层筛网以达到分级、脱水、除杂、检查等目的。具有耗能低、产量高、结构简单、易维修、全封闭结构，无粉尘溢散，自动排料。

RA series linear vibrating sieve is one of the mature products manufactured by Runnest, which has a long history in designing and manufacturing . Using high-quality vibration motor made in Shanghai as the power source, to make the materials on screen thrown up to do linear movement, can be equipped with single or multi-layer mesh to achieve the purpose for grading , dehydration, purifying and inspection. With low consumption, high output ,simple structure, easy maintenance, fully sealed structure, no dust leakage, automatic discharge.

产品特点 Features

效率高，任何粉类、颗粒均可筛分。  
换网容易、操作简单、清洗方便。  
耗能少，噪音低  
网孔不堵塞、密封良好，粉末不飞扬、可筛至200目或0.074mm。  
杂质、粗料自动排出，可以连续作业。  
筛框有木质和钢质两种，轻巧耐用，换网容易。  
结构简单，维修方便。  
筛机最高可以达到六层，建议使用三层。



适用行业 Application

对粉状、颗粒状物料的筛选和分级，有独特的效果。广泛应用于化工、医药、食品、金属、冶金矿业等行业。

技术参数 Parameters

| 产品型号<br>Model | 尺寸<br>Size(mm) | 物料粒度<br>Material<br>particle size | 筛面倾角<br>Sieving surface<br>inclination | 振幅<br>Vibration<br>amplitude(mm) | 层数<br>Layer | 功率<br>Power (KW) |
|---------------|----------------|-----------------------------------|----------------------------------------|----------------------------------|-------------|------------------|
| RA-520        | 500*2000       | 0.74-10                           | 0°-7°                                  | 4-10                             | 1-6         | 2* (0.37-0.75)   |
| RA-525        | 500*2500       |                                   |                                        |                                  |             | 2* (0.37-0.75)   |
| RA-1020       | 1000*2000      |                                   |                                        |                                  |             | 2* (0.37-0.75)   |
| RA-1025       | 1000*2500      |                                   |                                        |                                  |             | 2* (0.37-1.1)    |
| RA-1030       | 1000*3000      |                                   |                                        |                                  |             | 2* (1.1-1.5)     |
| RA-1040       | 1000*4000      |                                   |                                        |                                  |             | 2* (1.1-1.5)     |
| RA-1235       | 1200*3500      |                                   |                                        |                                  |             | 2* (1.1-2.2)     |
| RA-1250       | 1200*5000      |                                   |                                        |                                  |             | 2* (1.1-2.2)     |
| RA-1535       | 1500*3500      |                                   |                                        |                                  |             | 2* (1.1-2.2)     |
| RA-1560       | 1500*6000      |                                   |                                        |                                  |             | 2* (3.7-5.5)     |

产品简介 Product introduction

450型过滤筛又称过滤筛分机,该设备采用通用新型专用动力发生器,便于移动作业而设计的一种高效率、低噪音、小体积的小型振动筛分设备。

The 450 type filter screen is also called filtering screening machine, the equipment uses a universal new special power generator, easy to move the mobile operation, a high efficiency, low noise, small volume of small vibration screening equipment.



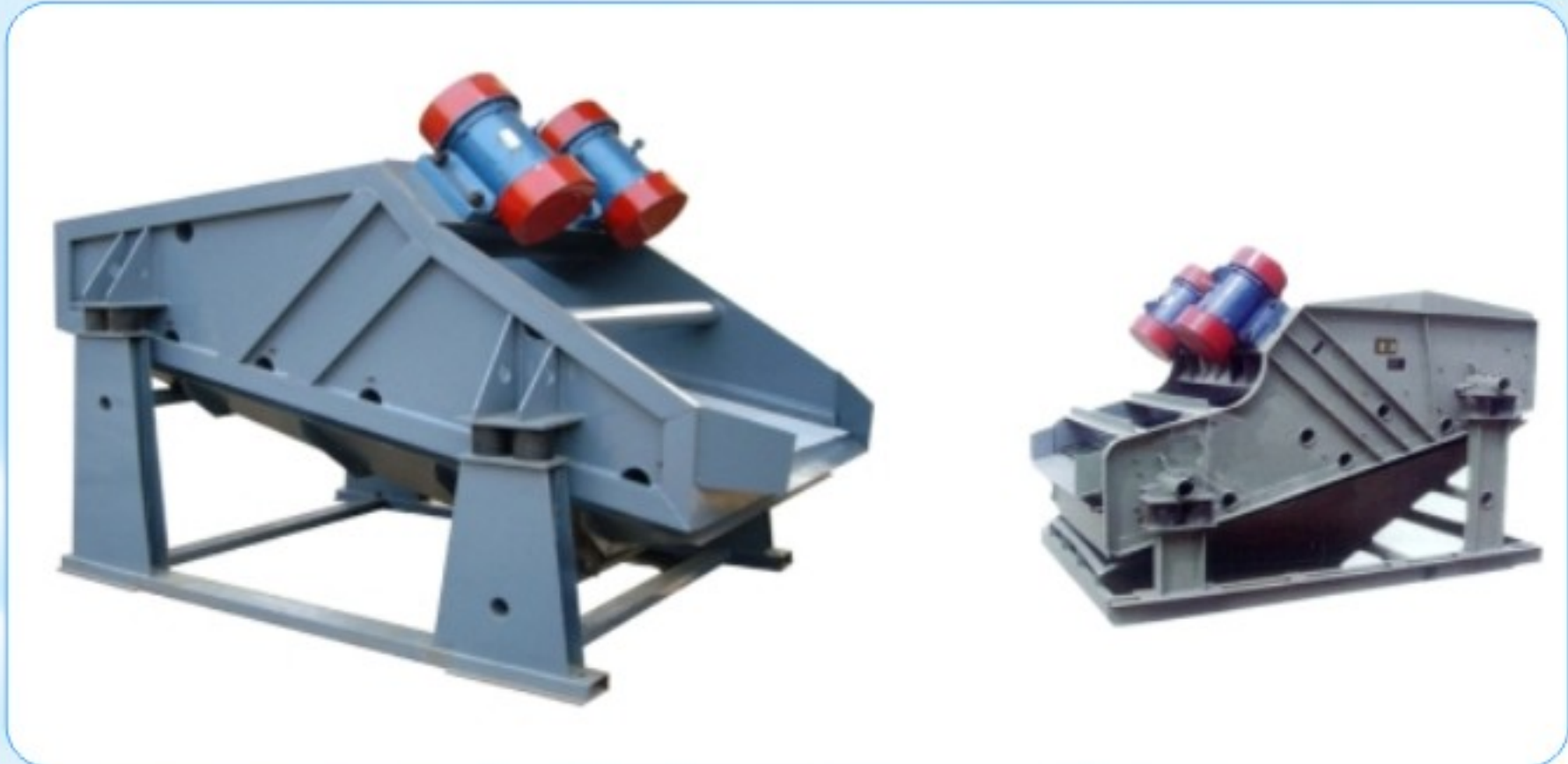
产品简介 Product introduction

高频振动筛又称高频过滤筛,结构简单,体积小、具有高频率，低耗能的特点，频率每分钟可达3000次，比相同机型的筛分过滤设备节能一半，与物料接触部分皆可采用不锈钢304或316L材质。高频振动筛采用了高频率、高振次、高转速的动能装置，会有效的提高效率。

High frequency vibration sieve also called high-frequency filter sieve, with advantage on simple structure, small size, high frequency, low energy consumption, frequency up to 3000 times per minute, such devices of sieving filter would save half energy to similar machines, and the material contacted parts should be made of 304 or 316L stainless steel. High frequency vibrating sieve apply high frequency, high vibration, and high speed device of kinetic energy, its efficiency would be greatly improved .



产品简介 Product introduction



重型土壤筛是我公司自行研制的一种新型、高效的筛分设备，主要用于冶金、矿山、煤炭、建材、电力、化工、土壤修复等大块物料及中小颗粒物料的筛分行业，由以冶金行业用途最为广泛是高炉槽下、焦化厂、选矿厂常用的筛分机械。

该产品具有体积小、重量轻，能耗低、便于安装及工艺布置等特点，采用节能振动电机做振动源，橡胶弹簧支撑并隔振，处理量大，筛分效率高，筛网有较大的安装倾角，拼块组装筛板，更换方便，使用寿命长。

Heavy-duty soil sieve is a kind of new and efficient sieving equipment developed by Runnest, is mainly applied to the field of metallurgy, mining, coal sieving industry, building materials, electric power, chemical industry and soil remediation, in order to sieve bulk materials and small granular materials. This product has the characteristics of small size, light weight, low energy consumption, convenient installation and process deployment. By using energy-saving vibration motor as vibration source, rubber spring supporting and vibration isolation, large handling capacity, high sieving efficiency, with a larger dip angle for sieve installation, joined plate assembly, convenient replacement, long service life.

技术参数 Parameters

| 型号<br>Model | 处理量<br>Throughput(t/h) | 外筛直径<br>Outer diameter (mm) | 长度<br>Length (mm) | 功率<br>Power (kw) |
|-------------|------------------------|-----------------------------|-------------------|------------------|
| RA-1230     | 10-18                  | φ 1200                      | 3000              | 2.2*2            |
| RA-1530     | 18-25                  | φ 1500                      | 3000              | 3.0*2            |
| RA-1830     | 25-35                  | φ 1800                      | 3000              | 5.5*2            |
| RA-2030     | 35-50                  | φ 2000                      | 3000              | 7.5*2            |

产品简介 Product introduction

直线脱水筛采用了双电机自同步技术，通用型偏心块、可调振幅振动器，主要由筛箱、激振器、支承系统及电机组成，两个互不联系的振动器作同步反向运转，两组偏心质量产生的离心力沿振动方向的分力叠加，反向离心抵消，从而形成单一的沿振动方向的激振动，使筛箱做作往复直线运动，主要作用是脱水、脱泥、脱介，可用于砂石料厂水洗砂、选煤厂煤泥回收、选矿厂尾矿干排等，因此也叫砂石脱水筛、矿用脱水筛、煤泥脱水筛、尾矿脱水筛、高频脱水筛等。

The linear vibrating screen is composed of screen box, screen frame, vibration motor, shock absorber and machine base. The two same vibration motors, as the vibration providers, are fiexed on the top of screen box. They rotate synchro nically in reverse directions. The eccentric blocks driven by the motors could provide centrifugal force, whose component force moves back and forth along the casting direction. Thus the screen device supported by the shock absorbers can move linearly. And the material on it moves forward straightly when tossed upward. When falls into the screen frame again, the material will move forward quickly and penetrate the screen in a fluffy state. Desirable screening performance can be achieved simply by choosing suitable screens for the linear vibrating screen. The main function is dehydration, desliming, removal. Widely used for sand washing , coal Slime recovery(Coal factory), and dry tailings (mine factory ).

产品特点 Features

- 1.具有体积小、重量轻、噪声小
- 2.能耗低、处理量大、筛分效率高
- 3.筛网更换方便、安装及维修简便等优点
- 4.结构简单、造价低

适用行业 Application

可广泛应用于水利、水电、砂石厂、玻璃厂、选煤厂粗煤的回收及环保工程（泥浆净化）等工程项目。



技术参数 Parameters

| 型号     | 筛网面积<br>(m²) | 电机功率<br>(kw) | 处理能力<br>(m³/h) | 进料粒度<br>(mm) | 重量<br>(kg) | 外形尺寸<br>(mm)  |
|--------|--------------|--------------|----------------|--------------|------------|---------------|
| RA0720 | 1.4          | 0.75*2       | 5-10           | ≤10          | 0.8        | 2300*1000*750 |
| AR9020 | 1.8          | 1.1*2        | 10-20          | ≤10          | 1.2        | 2300*1200*750 |
| AR1020 | 2            | 1.1*2        | 10-30          | ≤10          | 1.6        | 2300*1300*750 |
| RA1225 | 3            | 1.5*2        | 50-80          | ≤10          | 2.1        | 2800*1500*800 |
| RA1230 | 3.6          | 2.2*2        | 60-90          | ≤10          | 2.6        | 3300*1500*800 |
| Ra1530 | 4.5          | 3*2          | 100-120        | ≤10          | 3.2        | 3300*1800*800 |

## 电动真空上料机 Electric vacuum conveyor

### 产品简介 Product introduction

真空上料机由真空泵（无油、无水）、不锈钢吸料咀、输送软管、过滤器、压缩空气反吹装置、气动放料门装置、真空料斗和料位自动控制装置等组成，整套系统设计合理、制造精美。真空上料机又称真空输送机，是一种借助于真空吸力来传送颗粒和粉末状物料的无尘密闭管道输送设备，利用真空与环境空间的气压差，形成管道内气体流动，带动粉状物料运动，从而完成粉体的输送。我国引进先进的国外真空技术，不断完善，不断改进，现广泛用于化工、制药、食品、冶金、建材、农副等各轻、重工业行业。

vacuum feeding machine is composed of vacuum pump (oil-free, anhydrous), stainless steel sucker, conveying hose, filter, compressed air reverse blower, pneumatic discharger, vacuum hopper and automatic stock-level controller, reasonable complete-system design, elaborate manufactured. Vacuum feeder, also known as vacuum conveyor, is a dust-free closed pipeline transportation device that uses vacuum suction to transfer particles and powdery materials. It uses the pressure difference between vacuum and ambient space to form a gas flow in the pipeline and drives the powder. Material movement to complete the powder delivery. Our country introduces advanced foreign vacuum technology, and constantly improves and continuously improves it. Now it is widely used in chemical, pharmaceutical, food, metallurgy, building materials, agricultural and other light and heavy industries.



### 技术参数 Parameters

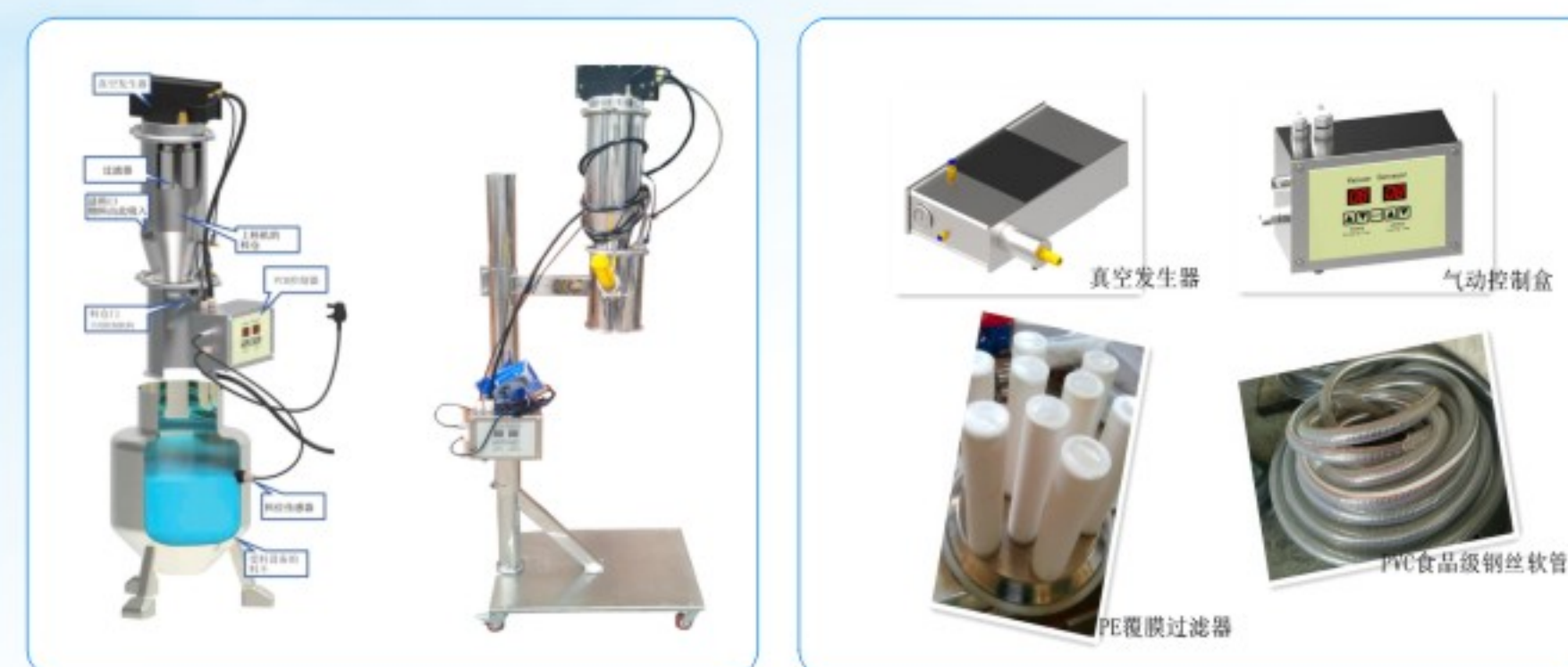
| 型号<br>Model | 尺寸<br>Size (mm) | 输送量 (kg/h)<br>Transport volume | 功率<br>Power (kw) |
|-------------|-----------------|--------------------------------|------------------|
| RAZ-2       | 290*1010        | 400kg/h                        | 2                |
| RAZ-3       | 300*1100        | 1000kg/h                       | 3                |
| RAZ-4       | 420*1250        | 1800kg/h                       | 5.5              |
| RAZ-5       | 420*1600        | 3000kg/h                       | 7.5              |
| RAZ-6       | 600*1650        | 4000kg/h                       | 11               |

## 气动真空上料机 Pneumatic vacuum conveyor

### 产品简介 Product introduction

气动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，保证了混合物料成分的均一性，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。

Pneumatic vacuum conveyor is the use of compressed air through the vacuum generator to achieve high vacuum delivery of materials, no mechanical vacuum pump, with a simple structure, small size, maintenance-free, low noise, easy control, eliminate static materials and in line with GMP Requirements and other advantages. The high vacuum produced by the vacuum generator eliminates the delamination phenomenon of the conveyed material and ensures the homogeneity of the components of the mixture. It is a tablet press, capsule filling machine, dry granulator, packaging machine, pulverizer, and vibrating screen. The preferred equipment for mechanical automatic conveyor



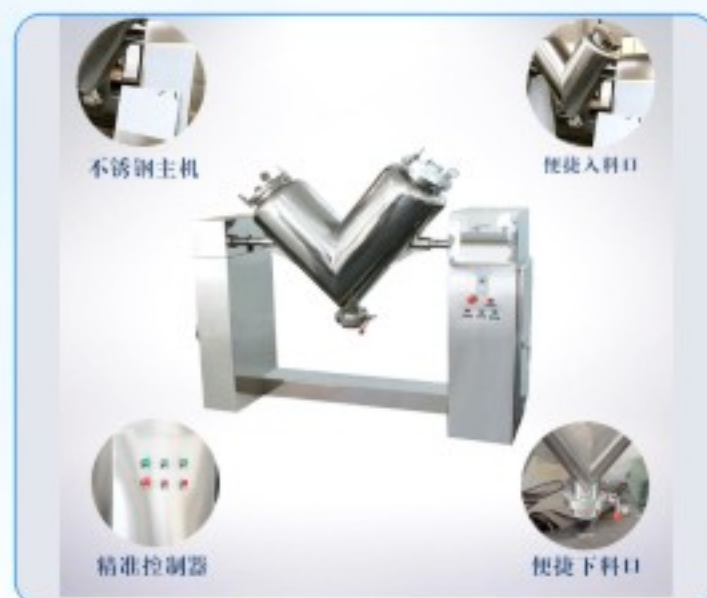
### 技术参数 Parameters

| 型号    | 输送量(kg/h) | 耗气量(L/min) | 标准尺寸(mm)  | 标准重量 (KG) |
|-------|-----------|------------|-----------|-----------|
| QVC-1 | 350       | 180        | Φ140*600  | 10        |
| QVC-2 | 700       | 360        | Φ220*795  | 21        |
| QVC-3 | 1500      | 720        | Φ290*930  | 30        |
| QVC-4 | 3000      | 1440       | Φ420*1150 | 40        |
| QVC-5 | 5000      | 2880       | Φ420*1250 | 55        |
| QVC-6 | 6000      | 4320       | Φ420*1350 | 70        |

## 产品简介 Product introduction

V型混合机采用手工进料和封闭碟形阀出料结构，可以实行无粉尘操作，同时物料在混合时没有机械挤压和强烈摩擦，可以保持物料颗粒完好无损，本机混合筒采用不锈钢制造，对混合物料无任何污染。另外，本机还装有定时装置，可以控制物料的混合时间。

V-type mixer uses hand feeding and closed disc valve discharge structure, Can carry out dust-free operation, At the same time, the material is not mechanically squeezed and strongly rubbed when mixed, Can keep material particles intact, The machine mixing cylinder is made of stainless steel without any pollution to the mixed material. In addition, the machine is also equipped with a timing device that can control the mixing time of materials.



## 产品特点 Features

- 1:混合均匀度高。由于采用了两筒体长短不等结构，筒体内物料流动存在时间差，因此具有极高的混合效率和极佳的混合均匀度。
- 2:无残留，无交叉污染。筒体内部和物料接触部分无死角，混合过程温和，不产生偏析，放料彻底，无残留，不会发生交叉污染现象。
- 3:筒体用不锈钢制造，耐腐蚀，寿命长。操作简单，维护方便。

## 适用行业 Application

适用于干的粉状或者颗粒状物料，混合效率高，混合均匀

## 技术参数 Parameters

| 型号Model | 全容积Full volume | 装载系数Loading factor | 电机功率Motor Power | 筒体转速Cylindrical speed | 最大容量Maximum capacity | 外形尺寸Dimensions |
|---------|----------------|--------------------|-----------------|-----------------------|----------------------|----------------|
| VH-50   | 50L            | 0.4                | 0.37kW          | 15r/min               | 20                   | 1280*400*1150  |
| VH-100  | 100L           | 0.4                | 0.55kW          | 15r/min               | 40                   | 1570*450*1300  |
| VH-200  | 200L           | 0.4                | 1.1kW           | 15r/min               | 80                   | 1750*500*1550  |
| VH-300  | 300L           | 0.4                | 1.1kW           | 13r/min               | 120                  | 2000*600*1750  |
| VH-500  | 500L           | 0.4                | 2.2kW           | 13r/min               | 200                  | 2250*700*2500  |
| VH-1000 | 1000L          | 0.4                | 2.2kW           | 9r/min                | 400                  | 2700*1000*2500 |
| VH-2000 | 2000L          | 0.4                | 4kW             | 9r/min                | 800                  | 3200*1200*3100 |
| VH-2500 | 2500L          | 0.4                | 5.5kW           | 9r/min                | 1000                 | 3950*1500*3550 |
| VH-3000 | 3000L          | 0.4                | 7.5kW           | 9r/min                | 1200                 | 4100*1500*3600 |

## 产品简介 Product introduction

二维运动混合机主要由转筒、摆动架、机架三大部分构成。转筒装在摆动架上，由四个滚轮支撑并由两个挡轮对其进行轴向定位。在四个支撑滚轮中，其中两个传动轮由转动动力系统拖动使转筒产生转动；摆动架由一组曲柄摆杆机构来驱动，曲柄摆杆机构装在机架上，摆动架由轴承组件支撑在机架上。

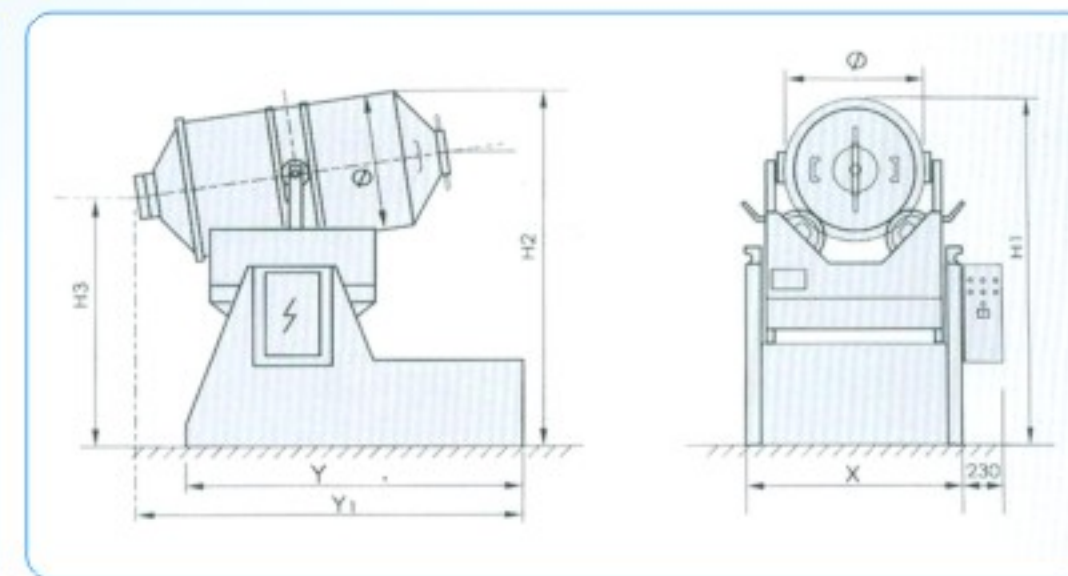
The two-dimensional motion mixer is mainly composed of three parts: a drum, a swing frame, and a frame. The rotating drum is mounted on a swing frame, supported by four rollers and axially positioned by two stop wheels. Among the four supporting rollers, two of the driving wheels are dragged by the rotating power system to rotate the rotating drum; the swinging frame is driven by a set of crank rocker mechanisms; the crank rocker mechanism is mounted on the frame; The components are supported on the rack.

## 产品特点 Features

二维运动混合机的转筒可同时进行二个运动，一个为转筒的转动，另一个为转筒随摆动架的摆动。被混合物料在转筒内 随转筒转动、翻转、混和的同时，又随转筒的摆动而发生左右来回的掺混运动，在这两个运动的共同作用下，物料在短时间内得到充分的混合。二维混料机适合所有粉、粒状物料的混合。

## 适用行业 Application

适用于医药、化工、食品、染料、化肥、农药等行业的干粉料、颗粒混合之用。特别适用于各种大吨位物料的混合。



## 技术参数 Parameters

| 型号        | 料筒容积(L) | 装料容积 | 最大装料量 | 摆动转动次数     | 电机总功率     | 外形尺寸                | 总重量  | 料筒重量 |
|-----------|---------|------|-------|------------|-----------|---------------------|------|------|
| EYH-600   | 600     | 360  | 150   | 605/12.1   | 1.1/1.5KW | 1200*2200*2050*1900 | 1150 | 140  |
| EYH-800   | 800     | 480  | 200   | 6.18/11.6  | 1.5/1.5KW | 1400*2700*2230*1930 | 1600 | 200  |
| EYH-1000A | 1000    | 600  | 250   | 5.28/10.87 | 1.5/1.5KW | 1450*2850*2300*2000 | 1700 | 240  |
| EYH-1500A | 1500    | 900  | 375   | 4.13/8.45  | 2.2/3KW   | 1720*3170*2450*2100 | 2000 | 320  |
| EYH-2000A | 2000    | 1200 | 500   | 4.1/7.6    | 3/4KW     | 1820*3600*2650*2300 | 2600 | 430  |
| EYH-3000A | 3000    | 1800 | 750   | 3.68/6.83  | 4/5.5KW   | 2070*3700*3150*2800 | 3500 | 620  |
| EYH-4000A | 4000    | 2400 | 1000  | 3.46/6.8   | 5.5/7.5KW | 2200*3900*3250*2900 | 4100 | 700  |
| EYH-6000A | 6000    | 3600 | 1500  | 3.31/6.74  | 7.5/11KW  | 2500*4500*3350*3000 | 6100 | 1100 |
| EYH-8000A | 8000    | 4800 | 2000  | 3.2/6.4    | 11/11KW   | 2700*4800*3650*3200 | 7900 | 1450 |

## 螺带混合机

## The ribbon mixer

### 产品简介 Product introduction

螺带混合机由U形容器、螺带搅拌叶片和传动部件组成；U形的长体筒体结构，保证了被混合物料（粉体、半流体）在筒体内的小阻力运动。正反旋转螺条安装于同一水平轴上，形成一个低动力高效的混合环境，螺带状叶片一般做成双层或三层，外层螺旋将物料从两侧向中央汇集，内层螺旋将物料从中央向两侧输送，可使物料在流动中形成更多的涡流。加快了混合速度，提高混合均匀度。



### 产品特点 Features

- 1:混合时间短，不破坏混合物料，易于清理清扫。
- 2:对物料不会压溃和磨碎，对粗料、细料的混合也有良好的适应性。
- 3:卧式螺带混合机在不破坏混合物的状态下，在机体内产生横向交错对流、掺混、扩散等复合运动，使物料在短时间内达到良好混合的效果。

### 适用行业 Application

应用于农药、兽药、食品、化学品、生物、养殖业、陶瓷、耐火材料、塑胶、复合肥等固-固（即粉体与粉体）固-浆（即粉体与胶浆液）的混合，还特别适应粘稠的物料混合。

### 技术参数 Parameters

| 型号规格(m3) | 电机功率(kw) | 转速(R/min) | 一次混合(kg)(m3) | L×W×H(mm)      | 设备重量 |
|----------|----------|-----------|--------------|----------------|------|
| WLDH-0.3 | 3        | 41        | <240         | 2300×680×1060  | 750  |
| WLDH-0.5 | 5.5      | 41        | <400         | 2900×780×1240  | 1000 |
| WLDH-1   | 11       | 33        | <800         | 3200×1000×1400 | 1800 |
| WLDH-2   | 15       | 33        | <1600        | 3860×1200×1650 | 2200 |
| WLDH-3   | 18.5     | 33        | <2400        | 4320×1300×1900 | 3200 |
| WLDH-4   | 22       | 28        | <3200        | 4600×1400×2000 | 4000 |
| WLDH-5   | 37       | 28        | <4000        | 4850×1500×2020 | 4650 |
| WLDH-6   | 37       | 22        | <4800        | 5400×1560×2200 | 6280 |

## 三维混合机

## The three-dimensional motion mixer

### 产品简介 Product introduction

三维运动混合机由于混合桶体具有多方向的运动，使桶体内的物料交叉混合点多，混合效果高，均匀度可达99.9%以上，装载系数可达0.9（普通混合机为0.4~0.6），混合时间短，效率高。该机混合桶体型设计独特，桶体内壁经过精细抛光，无死角，不污染物料，出料方便，清洗容易操作简单等优点。

The three-dimensional motion mixer has multi-directional movement of the mixing barrel, so that the material in the barrel crosses multiple mixing points, the mixing effect is high, the uniformity can reach over 99.9%, and the loading coefficient can reach 0.9 (0.4 to 0.6 for ordinary mixers). The mixing time is short and the efficiency is high. The machine's mixing bucket body design is unique, the inner wall of the barrel is finely polished, no dead angle, no contaminated material, convenient discharge, easy cleaning and easy operation.

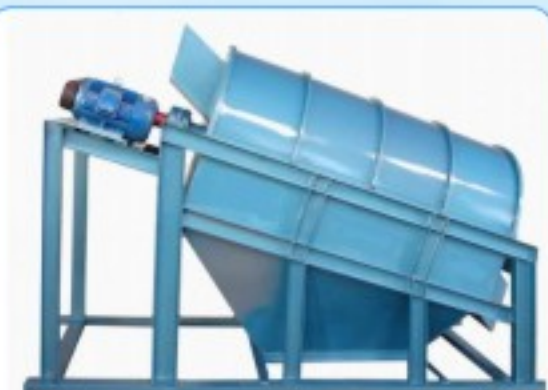


### 适用行业 Application

用于制药、化工、食品、轻工、电子、机械、矿冶、国防工业以及各种科研单位的粉状、颗粒状物料的高均匀度混合。

### 技术参数 Parameters

| 型号Model  | 料筒容积L | 最大装料容积L | 轴转速 (r/min) | 功率 (kw) | 外形尺寸 (长宽高)     | 重量 (kg) |
|----------|-------|---------|-------------|---------|----------------|---------|
| SYH-50   | 50    | 45      | 0-20        | 1.1     | 1150*1400*1320 | 300     |
| SYH-100  | 100   | 90      | 0-20        | 1.5     | 1250*1400*1500 | 800     |
| SYH-200  | 200   | 180     | 0-15        | 2.2     | 1350*1400*1500 | 1200    |
| SYH-400  | 400   | 360     | 0-15        | 4       | 1450-2000*1500 | 1200    |
| SYH-600  | 600   | 540     | 0-13        | 5.5     | 1650*2200*1500 | 1500    |
| SYH-800  | 800   | 720     | 0-10        | 7.5     | 2100*2650*2000 | 1700    |
| SYH-1000 | 1000  | 900     | 0-10        | 11      | 2150*2800*2100 | 1800    |
| SYH-1200 | 1200  | 1080    | 0-9         | 11      | 2000*3000*2260 | 2000    |
| SYH-1500 | 1500  | 1350    | 0-9         | 15      | 2300*3200*2500 | 2400    |
| SYH-2000 | 2000  | 1800    | 0-8         | 18.5    | 2500*3600*2800 | 3000    |



滚筒筛



平面回转筛



气流筛



螺旋上料机



斗式提升机



皮带输送机



方锥混合机



槽型混合机



双锥混合机



振动平台



布袋除尘器



滤筒除尘器



超声波网架



防尘盖



束缚抱紧环



密封条



中框



网架



硅胶圈



底框



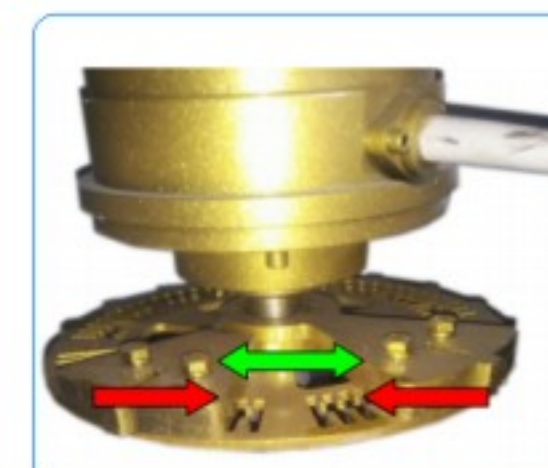
超声波连接线



弹跳球



冲孔网板



可调式振动电机



真空上料机使用现场



环保工程项目



摇摆筛使用现场



直线振动筛分项目



上料筛分一体机



振动筛生产线使用现场

食品行业



医药行业



化工行业



冶金行业



其他行业

