

FANGYUAN MACHINERY

方圆机械



江阴市方圆机械制造有限公司

JIANGYIN FANGYUAN
MACHINERY
MANUFACTURING CO.,LTD

三十年定方圆
只为做一件事

Thirty years of Fang Yuan just to do one thing

方圆机械

——FANGYUAN MACHINERY——

CONTENTS

企业

Enterprise Chapter

公司简介
About us

01

03

荣誉资质
Honor

产品
Product Categories

07

粉碎机系列
Pulverizer Series

筛粉机系列
Sieving Machine
Series

19

22

制粒机系列
Granulator Series

29

混合机系列
Mixer Series

干燥机系列
Drying Machine
Series

43

50

上料机系列
Appending Machine

ABOUT US 公司简介

位置 Position

江阴市方圆机械制造有限公司创建于1989年，位于江南外贸第一镇——江阴市祝塘镇，毗邻江阴长江大桥，沪宁、锡澄、沿江三条高速公路。有着得天独厚的地理位置，东临上海，南靠苏州、无锡，西依常州、南京，北临长江。水路交通便利。公司占地面积20000余平方米，拥有建筑面积12000平方米。拥有中、高级技术人员10余人、职工100余人。

Jiangyin FangYuan Manufacturing Co.LTD was established in 1986.It locates in Zhutang Town of Jiangyin City,which is the No.1 foreign-trade town in Jiangnan District,and neighbor with Jiangyin Yangtze River Bridge as well as 3 important expressways,Huning Expressway,Xicheng Expressway and Yanjiang Expressway.It closes to Shanghai to the east,Suzhou and Wuxi to the south,Changzhou and Nanjing to the weat and Yangtze River on the north.It covers an area of 20000m²,construction area for 12000m²,with senior technicians around 10 and more than 100 employees.





能力 Ability

公司主要是生产制药、药品、食品、化工等重点生产单位。公司技术力量雄厚，工艺先进，设备齐全，是生产粉碎、过筛、混合制粒、干燥等机械产品的专业单位；粉碎机、过筛机、混合机、制粒机占据市场主导地位。信用“AAA”级企业和重合同守信用企业。2003年通过ISO9002质量体系认证，2010年通过欧盟CE认证。公司拥有发明、实用性、产品结构、外观等专利产品十多个，产品覆盖全国各省和港、澳、台地区，并远销东南亚、欧美、中东等几十个国家地区，深受海内外用户的青睐和好评。公司按照现代化企业制度运作，并于企业文化建设相结合，实行科学管理，拥有实力雄厚的企业技术中心，严格按照GMP标准和工业标准生产，并能承接各种非标的设计、加工、制作和安装。

The main products refer to the areas like pharmaceuticals, foodstuff, environment protection, rubber, chemical and chemical fiber. Fang Yuan is known by high technology, advanced techniques, and full equipment. It professionally manufactures for disintegrating, sifting, mixing, granulating, drying and dedusting, etc. We are certified as AAA credit rating enterprise and enterprise abiding by agreement and keeping faith. We also passed ISO9002 in 2003. Now Fang Yuan has over 10 patented products. Target customers spread all over the country and also Hong Kong, Macau and Taiwan, as well as with enterprise culture constructions, executing scientific management and strictly abiding by GMP and industrial standards in production. Our service also includes non-standard designs, processing, and installation.

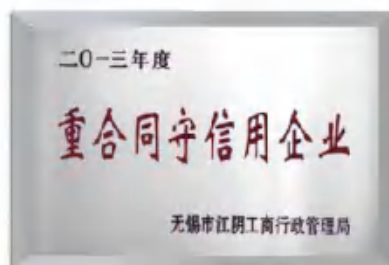
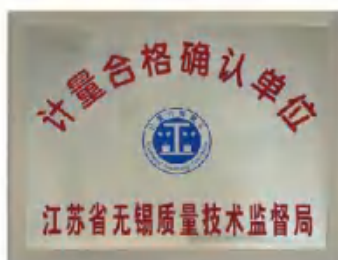
宗旨 Purpose

公司宗旨：公司本着“质量第一，用户至上”的原则，竭诚欢迎广大国内外客户来人来函订购产品。

Quality Guideline—Advanced Technology, Reliable Quality, and Customer's demands First. We adhere to “Quality First, Consumers Uppermost”, and warmly welcome customers home and abroad to establish business relationship with us!

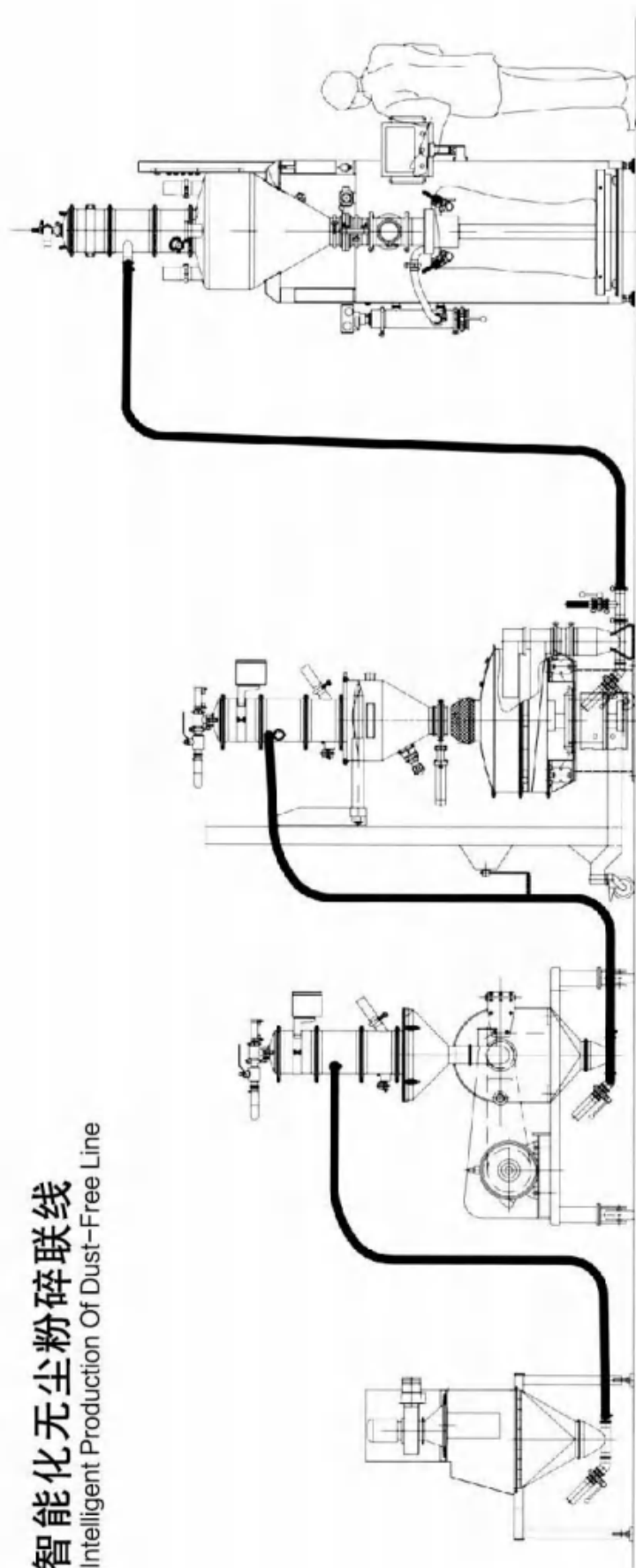
证书&奖牌

Certificate&Medal



智能化无尘粉碎联线

Intelligent Production Of Dust-Free Line

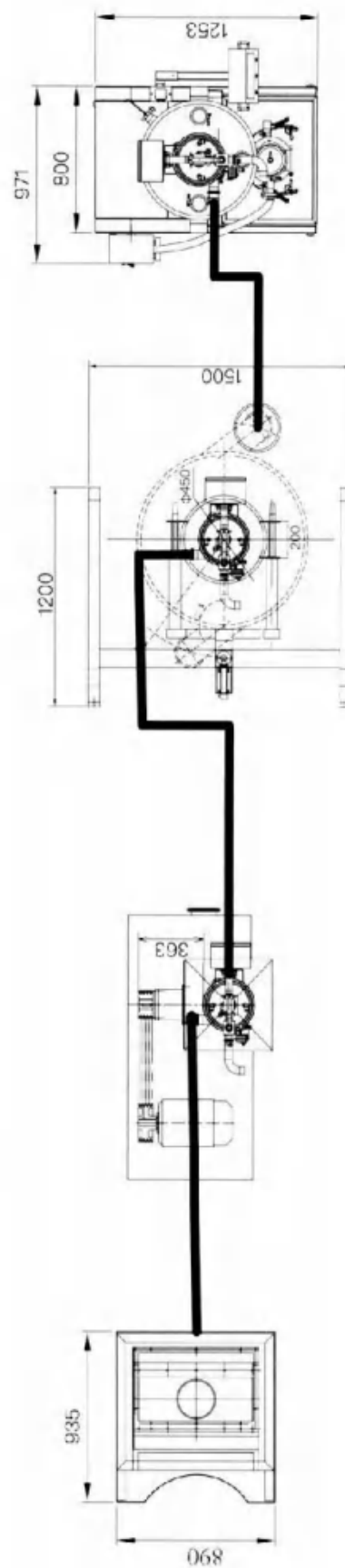


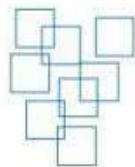
无尘投料站

真空上料机
400J万能粉碎机

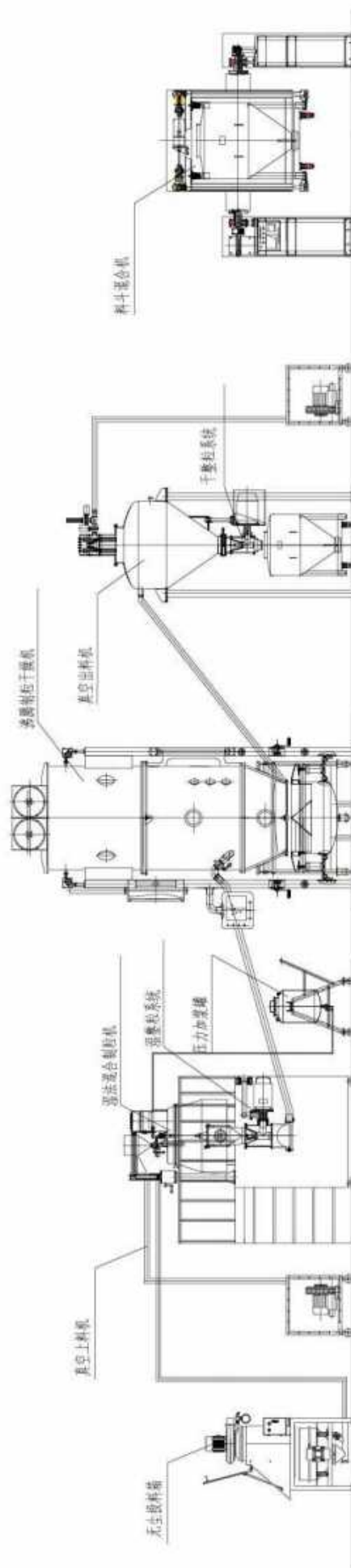
真空上料机
ZS800震动筛

真空上料机
100L 缓存料仓
计量分装机



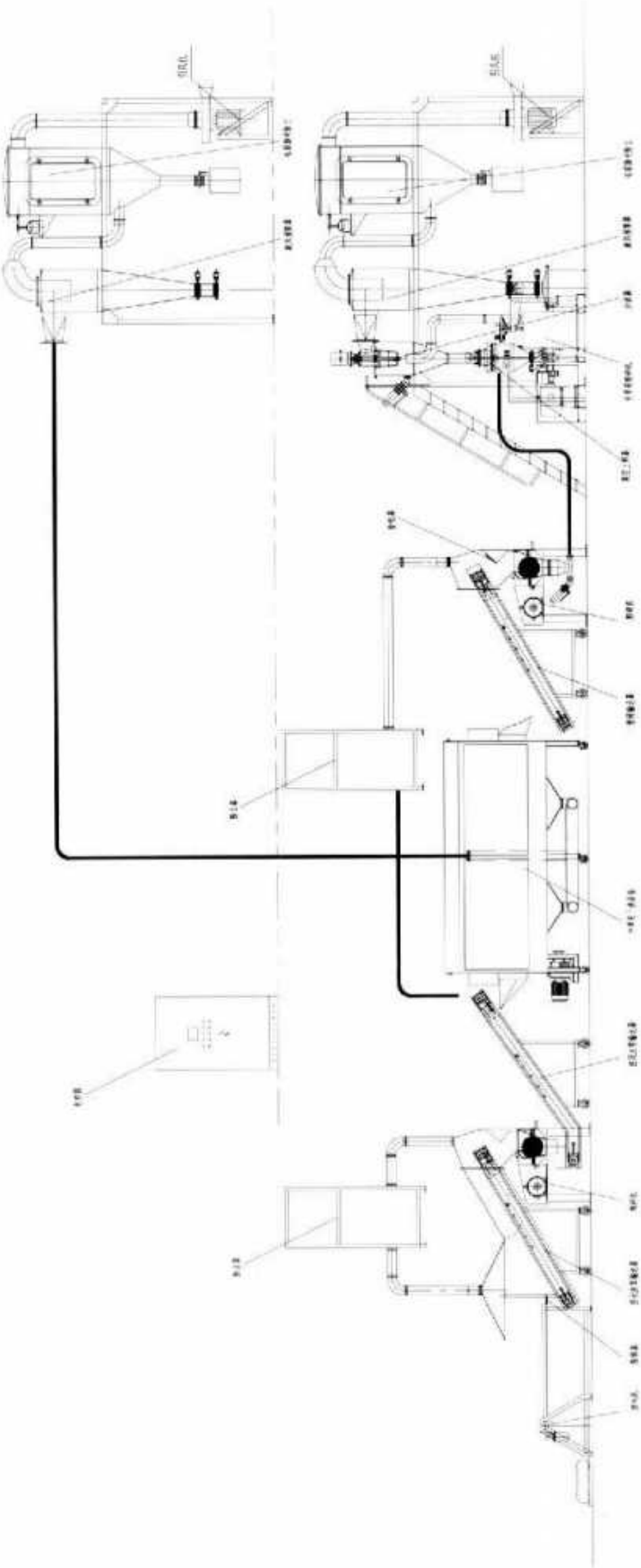


固体制剂流程联线 Solid Preparation Process Line



中草药前处理生产线

Chinese Herbal Pretreatment Line



三十年定方圆 只为一件事 Thirty years of Fang Yuan just to do one thing

PULVERIZER

粉碎机系列

CSJ-P强力粗碎机
CSJ-P Universal Coarse Crusher

WF-B吸尘粉碎机组
Model WF-B Dust Collecting Crushing Set

WF-C粉碎机单机系列
Model WF-C Crushing Set

WF-C高效粉碎机系列
Series high Efficient Pulverizer

WF-J微粉碎机系列
Model WFJ series fine crushing set

WF涡轮粉碎机
Turbine Pulverizer

WFJ系列粉碎机组(配冷风)
Series ultra-fine pulverizer

WF超低温冷冻粉碎机系列
Series Low Temperature Cryogenic Pulverizer

WF-C型粉碎机系列
WF-C Model Crushing Set

WF分离式粉碎机组
Split-type Crushing Set

CSJ-P

强力型粗碎机

CSJ-P Universal Coarse Crusher



□ 主要用途 MAIN APPLICATION

本机适用于制药、化工、冶金、食品、建筑等行业。对坚硬、难粉碎的物料进行加工，包括对塑料、铜丝等进行粉碎，也能作为微粉碎加工前道工序的配套设备。

This machine applied to the industries of pharmaceuticals, chemical, metallurgy, foodstuff and architecture, etc. It specially grinds the hard and solid granule materials like plastic materials and copper wires. Also it can be the pretreatment coordinated machine for fine grinding process.

□ 特点 CHARACTERISTICS

该机是采用卧式粉碎机构，不受物料粘度、硬度、软度等的限制，对任何物料都能起到较好的粉碎效果。

Be machine's turn to be to adopt a horizontal type to crush organization; No limit in viscosity, softness and hardness.

□ 工作原理 WORKING PRINCIPLE

物料由进料斗送进粉碎室，经刀刃和刀座的冲击，卧式旋转刀和卧式固定刀同时剪切粉碎，由于受到旋转离心力的作用，物料自动流向出口处。

Any raw materials, being feed into the grind chamber through the upper feeder, struck and impacted by the knife-edges and knife stand, cut and grinded simultaneously by the revolving and fixed knives. Automatically runs to the exit by revolving centrifugal force.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	CSJ-P30	CSJ-P40	CSJ-P60	CSJ-P80	CSJ-P100
生产能力(kg/h) Capacity	50-200	100-500	150-700	200-1000	250-1200
进料粒度(mm) Size of input granulss	≤100	≤300	≤400	≤500	≤600
出料粒度(mm) Size of output granulss	2-20	2-20	2-20	2-20	2-20
功率(kw) Power	4	5	11	18.5	30
主轴转速(rpm) Speed of principalaxis	500	500	500	400	320
外形尺寸(长*宽*高)(mm) Overall Dimension(L*W*H)	600*500*1000	700*800*1100	890*900*1600	1285*1080*1700	1480*1200*1850
重量(kg) Weight	320	500	620	1000	1200

WF-B

吸尘粉碎机组

Model WF-B Dust Collecting Crushing Set

主要用途 MAIN APPLICATION

该机适用于化工、制药、食品等行业，是粉碎与吸尘为一体的粉碎设备。

This machine is a new generation of grinding equipment for pharmaceuticals, chemicals, foodstuff industries, etc.

工作原理 WORKING PRINCIPLE

该机组利用活动齿盘和固定齿盘间的相对运动，使物料经齿冲击、摩擦及物料彼此间冲击而获得粉碎。粉碎好的物料经旋转离心力的作用，自动进入补集袋，粉尘由吸尘箱经布袋过滤回收。该机按“GMP”标准设计，全部用不锈钢材料制造，生产过程中无粉尘飞扬。且能提高物料的利用率，降低成本，目前已达到国际先进水平。

It is of vertical crushing structure. The material is fed into the crushing chamber through a hopper, crushed by simultaneous cutting of both fixed and movable knives and rotating impact of rotating knife. The well-crushed materials automatically run to the catcher under the revolving centrifugal force, and the dust is filtered and recovered by dust collector through a bag. Designed according to GMP standard and wholly made of stainless steel, it has no flying dust during production, and can improve the utilization rate of material and reduce the cost of enterprise, thus reaching the international advanced level.



技术参数 TECHNICAL PARAMETERS

型 号 Model	WF-20B	WF-30B	WF-40B	WF-60B
生产能力(kg/h) Capacity	60-150	100-300	160-800	250-1200
主轴转速(r/min) Speed of principal axis	4500	3800	3400	2800
进料粒度(mm) Size of input granules	≤6	≤6	≤6	≤10
粉碎细度(mesh) Crushing fineness	60-120	60-120	60-120	60-120
粉碎电机(kw) Crushing Motor	4	5.5	11	22
吸尘电机(kw) Dust collecting motor	0.75	0.75	1.5	3
外形尺寸(长*宽*高)(mm) Overall Dimension(L*W*H)	1100*600*1650	1200*650*1650	1350*700*1700	1750*1100*1950

WF-C 粉碎机单机系列

Model WF-B Crushing Set



□ 主要用途 MAIN APPLICATION

本机适用于化工、制药、食品等行业的物料粉碎。

It is applied to industries of pharmaceuticals, chemical, and foodstuff, etc.

□ 主要特点 CHARACTERISTICS

该机结构简单，坚固耐用，运转平稳，粉碎效果好，拆装、维修方便、耐腐蚀。

It adopts windwheel-typed revolving cutters, so that the airflow is great enough to blow away the heat in the chamber. It runs smoothly, and is convenient in dismantling and assembling with low noise and excellent result.

□ 工作原理 WORKING PRINCIPLE

本机利用活动齿盘和固定齿盘间的相对运动，使被粉碎物经齿冲击、摩擦及物料彼此间冲击而获得粉碎。整机按“GMP”标准设计，全部用不锈钢材料制造，该机结构简单、产量高、易清洗，是目前最理想的粉碎设备。

By means of relative motion between movable and fixed fluted discs, material is crushed through impact and friction of the teeth and impact among the material. Designed according to GMP standard and wholly made of stainless steel, model 30BVI, model 40B and 60B crushing chamber is equipped with water cooling jacket. With simple structure, high output and easy cleaning, this machine is the most ideal crushing equipment at present.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	生产能力 Production Capacity	主轴转速 Spindle speed	进料粒度 Feeding Size	粉碎细度 Production Capacity	电机功率 Motor Power	外形尺寸(长*宽*高) Overall Dimensions(L*W*H)	重 量 Weight
WF-15C	10-50kg/h	7250r/min	6mm	60-120目(mesh)	2.2kw	550*450*1050(mm)	100kg
WF-20C	60-150kg/h	4500r/min	6mm	40-120目(mesh)	4kw	600*600*1450(mm)	280kg
WF-30C	100-300kg/h	3800r/min	6mm	40-120目(mesh)	5.5kw	650*650*1650(mm)	350kg
WF-40C	160-800kg/h	3400r/min	10mm	40-120目(mesh)	11kw	850*900*1750(mm)	550kg

□ 主要用途 MAIN APPLICATION

该机适用于化工、制药、食品等行业的物料粉碎

This machine is widely used to crush materials of pharmaceutical, food, chemical and other industries.

□ 主要特点 CHARACTERISTICS

该机结构简单，操作方便，易于清洗，封闭性好，粉碎效率高、细度均匀，无粉尘飞扬。

It has simple structure and convenient operations. It can be cleaned easily and it has good sealing performance. This has high grinding efficiency and its products have uniform fineness with no dust flying field.



□ 工作原理 WORKING PRINCIPLE

物料被送进粉碎室后，受到高速运转粉碎刀片的冲击和剪切，同时也受到气流向下的压力，把细料从筛网中落下，到接料桶中，粗料继续受到冲击剪切来达到产品粉碎的要求。

After materials are sent to the crushing chamber, fine materials will drop from the screen to the coarse material machine after they are impacted and sheared by the high-speed moving crushing blades under the downward pressure of airflow. Rough materials will be impacted and sheared to meet the requirements of product crushing.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	WF-16C	WF-32C
生产能力(kg/h) Throughput	50-300	100-800
成品细度(mesh) Finished Product Finess	12-120	12-120
功率(kw) Power	7.5	11
可调速度(rpm) Adjustable Speed	0-4000	0-3000
外观尺寸 长*宽*高(mm) Overall Dimensions L*W*H	1150*880*1500	1300*1000*1600
重量(kg) Weight	280	400



微粉碎机系列

Model WFJ series fine crushing set



□ 主要用途 MAIN APPLICATION

本机由主机、辅机、电控箱三个部分组成，具有风选式、无筛、无网、粒度大小均匀等多种性能，生产过程连续进行。该机达到国际先进水平，广泛适用于制药、化工、食品等行业的物料粉碎。

The machine is made of main engine,auxiliary engine ,auxiliary engine and electric box,featuring winnowing,non-sieve or mesh,even granule size,continuous operation etc.It is upon a high level and is widely used for material grinding in pharmaceuticals,chemicals,food industries etc.

□ 工作原理 WORKING PRINCIPLE

物料由料斗经螺旋输送器进入粉碎室，被高速旋转的刀片剪切粉碎，通过负压风运的方法把物料运入旋风分离器、袋式除尘器，排出物料达到产品的要求。

Raw material is delivered to the grinding chamber by the funnel and spirial conveyor,where it is cut into small bits by the fastturning arms.Then the materials are conveyed to the whirlwind separator and bag-type dust remover by negative pressure wind transporation.The ejection materials meet the requirement of productions.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	生产能力 Production Capacity	进料粒度 Feeding Size	出料粒度 Output Size	总功率 Total Power	主转速 Main Speed	外形尺寸(长*宽*高) Overall Dimensions(L*W*H)	重 量 Weight
WF-15	10-200kg/h	< 10mm	80-320	14.3kw	~6000r/min	4200*1200*2700(mm)	850kg
WF-30	30-800kg/h	< 15mm	80-320	38.85kw	~3800r/min	6640*1300*3960(mm)	1500kg
WF-60	50-1200kg/h	< 15mm	80-300	69.6kw	~2800r/min	7500*2300*4530(mm)	3200kg
WF-80	100-1500kg/h	< 15mm	80-300	87.6kw	~2500r/min	9000*2300*4530(mm)	3700kg

□ 主要用途 MAIN APPLICATION

本机主要适用于医药、化工、食品、农药、建材和塑料等行业，莫氏硬度小于3，软质、脆性和纤维等物料的粉碎。如药材、染料、颜料、食品添加剂和塑料助剂等均能获得满意的粉碎效果。

It is applied to crush flexible, fragile and fiber materials, whose Mohs' Hardness is less than 3, such as Chinese Traditional and Herbal Drugs, dyestuff, paint and food additive.

□ 工作原理 WORKING PRINCIPLE

该机的主要技术特点是因势利用粉碎刀产生的动压能迅速地将产品排出机腔。可设置二次进风口（选配），使机壳内腔形成一股气垫，以减少排料风阻，同时也可与回收系统的尾风管相连并可连接自动或脉冲式箱体除尘器，其主要作用是避免粉尘飞扬和减少物料的损失，起到回收再利用，并减少环境污染。符合GMP标准。本机的工作原理是以粉碎赤板与活动之间对物料的冲击为主，同时也利用刀背产生的涡旋气流加强对物料的粉碎。物料如热敏性低在话，可加装冷风循环冷却装置（温度可控制在-20到-30度）或加装深冷装，这套装置在生物制药或冷冻粉碎中运用。



Its expanding volute design can reduce the resistance thus avoid the machine shell, easily discharge the production. Set twice draught if possible connect the automatic/impulse dust collector to minimize the flying dust and loss on materials.

Work Principle: The materials are mainly crushed by clash between crushing gears and moveable knives, and further crushes by the vortex generated on the back of the knife blade.

If it is a low hot-sensitive material, we can equip a cold air system (temperature around -20 to -30 degrees) or a cryogenic system. This set can be used in Pharmaceutical Biotechnology or refrigerant crushing.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	20型	30型	40型	60型
生产能力(kg/h) Capacity	20-120	30-250	50-450	80-800
主轴转速(r/min) Rotary Speed	4500	4000	3500	2800
转子直径(mm) Dia of Rotor	200	300	400	600
主机功率(kw) Motor Power	4	7.5	11	22
成品密度(目) Output Fineness	20-150	20-150	20-150	20-150
进料粒度(mm) Feeding Granularity	≤6	≤6	≤10	≤10
主机重量(kg)(不含电机重量) Weight (does not contain the electrical machinery weight)	480	550	730	900

WFJ

系列粉碎机组(配冷风)

Series ultra-fine pulverizer



□ 主要特点 SPECIALTY

内分级机构，能耗损失少。适应性强，细度可达10~5微米。可调节分级转速或调节风量。机身采用哈味结构，更易清洗维护。装有引风机，适应热敏性物料的粉碎。主要粉部件采用高级合金工具制造，使用寿命长。粉尘捕集袋载留的细粉能有效回收，物料的损耗低。采用进口高速精密轴承，转子整体做动平衡，整机运转平稳，振动小，噪音低。管道连接采用快拆结构，能快速方便地拆装、清洗。配有旋风分离和除尘器，粉尘捕集袋能有效截留气流中的微粉，清洁环保。

Internal grading mechanism, which has less energy loss. Strong adaptability; its fineness can be as large as 10~5 μm . The revolving speed or the air volume of the grader can be adjusted. The machine body is made of Haver structure, which is easy to be cleaned and maintained. It is equipped with induced draught fan, which is suitable for crushing heat-sensitive materials. Main powder parts are made of high alloy tool steel which has a long service life. The fine power trapped by dust collection bag can be recovered effectively, which can reduce losses of materials. It uses the imported high-speed precision bearing. The whole rotor has dynamic balance. The whole machine runs stably with small vibration and low noise. The pipe connection adopts quick disassembly structure, which can be disassembled and cleaned quickly and conveniently. It is equipped with cyclone separation and dust collector. The dust collection bag can effectively intercept micro powder in the air flow, which is clean and environmentally friendly.

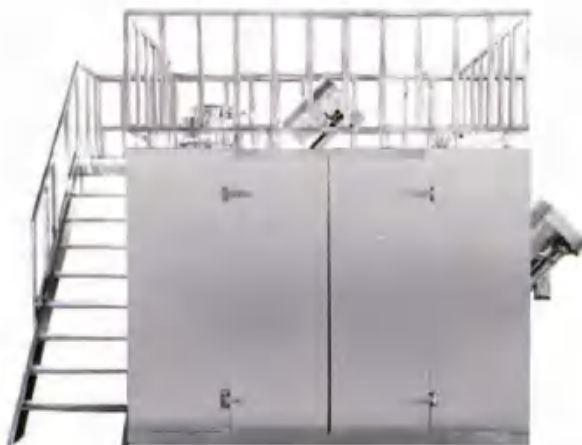
● 技术参数 TECHNICAL PARAMETERS

型 号 Model	WFJ-15	WFJ-30	WFJ-60
生产能力(kg/h) Capacity	10-200	30-800	50-1200
进料速度(mm) Feed Granularity	<10	<15	<15
出料粒度(mm) Discharging Granularity	80-320	80-320	80-300
总功率(kw) Total Power	21	46	84.15
主转速(rpm) Spindle Speed	~6000	~3800	~2800
外形尺寸(长*宽*高)(mm) Overall Dimension(L*W*H)(mm)	4200*1200*3100	6640*1300*3960	7500*2300*4530
重量(kg) Weight	1000	2000	3200

□ 产品结构 PRODUCT MIX

产品结构由预冷料仓、粉碎室、旋风分离器、液氮罐、控制柜、自动送（出）料机构组成。

The product is composed of precooled material bin, crushing chamber, cyclone separator, liquid nitrogen tank, control cabinet and automatic feed (discharge) material mechanism.



□ 工作原理 WORKING PRINCIPLE

以液氮为冷源，被粉碎物料通过冷却在低温下实现脆化易粉碎后，进入粉碎机腔内，通过刀盘高速旋转，物料与刀片，齿圈（固定刀）与物料之间的相互反复冲击，碰撞，剪切，摩擦等综合作用下，达到粉碎效果，能粉碎常温下不能粉碎的物料，产量高、目数高（可调）保证中药材的物理性不变。

Liquid nitrogen is used as the cold source. After the crushed materials are embrittled and easily crushed at low temperature, they will enter the crushing chamber. Through high-speed rotation of cutter discs, materials and blades, gear rings (fixed knives) and materials impact with each other repeatedly. Under the comprehensive effects of collision, shear and friction, materials that cannot be crushed under normal temperature will be crushed. It has high yield and many meshes (adjustable), which can ensure stable physical stability of Chinese medicinal materials.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	WF-200	WF-350	WF-450
工作室直径(mm) Capacity	φ 200	φ 350	φ 450
功率(kw) Rotary Speed	11.25	43.25	54
工作介质 Dia of Rotor	液氮Liquid nitrogen	液氮Liquid nitrogen	液氮Liquid nitrogen
工作温度(℃) Motor Power	≥ -196	≥ -196	≥ -196
粉碎细度(mesh) Output Fineness	10-500	10-500	10-500
产量(kg/h) Feeding Granularity	30-100	80-500	100-800
进料粒度(mm) Size of input Granules	≤ 8	≤ 8	≤ 8
主轴最高转速(rpm) Maximum Revolution Speed of Spindle	0-6700	0-5200	0-4000
外形尺寸(mm) Dimensions	1700*1000*1650	2500*2000*2500	2800*2000*2700



WF-C 型粉碎机系列

WF-C Model Crushing Set



□ 主要用途 MAIN APPLICATION

本机适用于化工、制药、食品等行业的物料粉碎。

It is applied to industries of pharmaceuticals, chemical, and foodstuff, etc.

□ 主要特点 CHARACTERISTICS

粉碎室可采用万能、涡轮、刀片、锤式等粉碎结构，该结构采用直排式出料，减少因风阻而产生的生产量小、温度高等现象。该机具有缓冲出料装置及物料与气压自动分离效果。该机是新一代高产量最理想的粉碎设备。

The crushing chamber can adopt universal, turbine, turbine, blade, and hammer type crushing structure. The structure adopts the method of discharging directly, reducing the phenomenon of small production and high temperature because of the wind resistance. The machine has the buffer discharging device, and the effect of material and air pressure separate automatically. This machine is the most ideal crushing equipment, and it is a new generation and has high production.

□ 工作原理 WORKING PRINCIPLE

本机利用活动齿盘和固定齿盘间的相对运动，使被粉碎物经齿冲击、摩擦及物料彼此间冲击而获得粉碎。整机按“GMP”标准设计，全部用不锈钢材料制造，该机结构简单、产量高、易清洗，是目前最理想的粉碎设备。

By means of relative motion between movable and fixed fluted discs, material is crushed through impact and friction of the teeth and impact among the material. Designed according to GMP standard and wholly made of stainless steel, model 30BV, model 40B and 60B crushing chamber is equipped with water cooling jacket. With simple structure, high output and easy cleaning, this machine is the most ideal crushing equipment at present.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	生产能力 Production Capacity	主轴转速 Spindle speed	粉碎细度 Production Capacity	电机功率 Motor power	重 量 Weight
WF-15C	10-50kg/h	7600r/min	40-120目(mesh)	2.2kw	170kg
WF-20C	60-150kg/h	4500r/min	40-120目(mesh)	4kw	320kg
WF-30C	100-300kg/h	4000r/min	40-120目(mesh)	7.5kw	380kg
WF-40C	160-800kg/h	3400r/min	40-120目(mesh)	11kw	550kg

□ 主要用途 MAIN USAGE

本机适用于制药、化工、食品、磁性材料、粉体等行业，是粉碎、吸尘及连续出料为一体的新一代粉碎设备。

This machine is applied in such trades as pharmaceutical, chemical, foodstuff, magnetic material, powder etc. It is a new generation crushing equipment combining crushing, dust-collecting and continuous-discharge into a unit.



□ 主要特点 CHARACTERISTICS

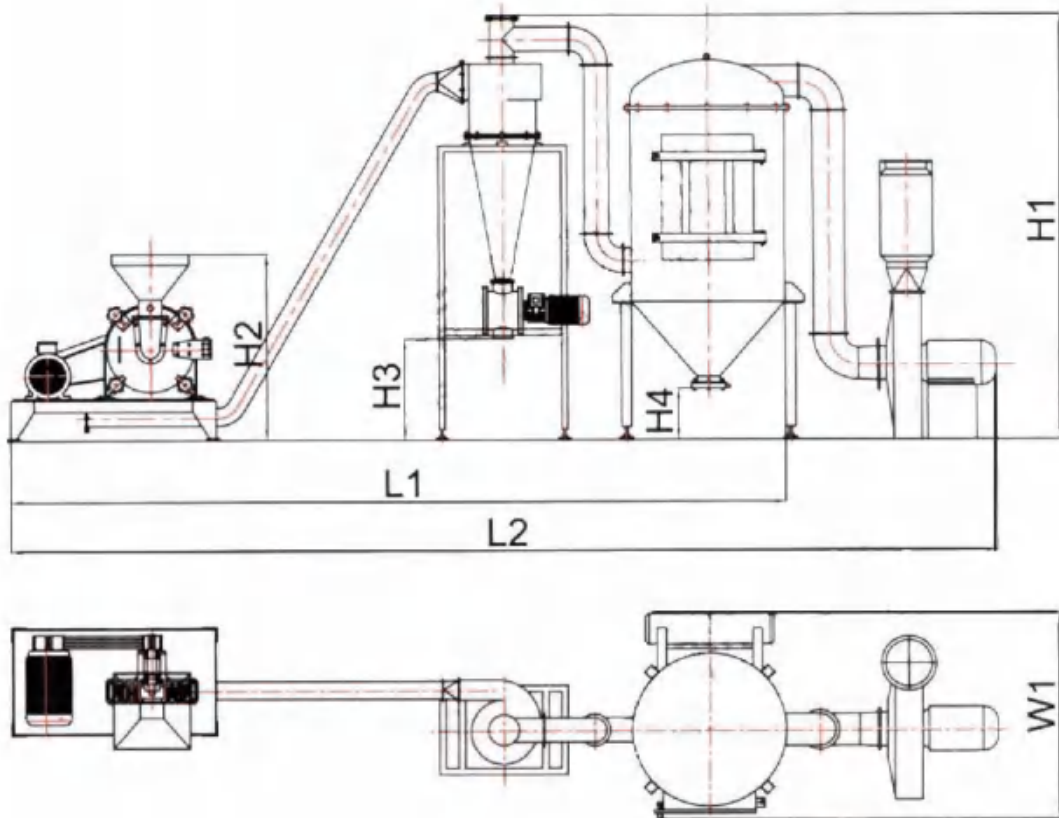
本机由粉碎主机、旋风分离器、脉冲除尘箱以及引风机等几部分组成。物料经加料斗进入粉碎室，被高速旋转的刀片击碎而获得粉碎，粉碎好的物料经旋转离心力和引风机的作用，进入旋风分离式，经关风机后出料，粉尘进入脉冲除尘箱，通过过滤筒过滤后回收，粉碎细度用筛网调节。该机按GMP标准设计，全部采用不锈钢材料制造，生产过程无粉尘飞扬。

This machine is made up of crusher, cyclone separator, pulse dust-evacuator box and blower fan etc. By means of relative motion between flexible and fixed fluted discs, material is crushed through impact and friction of the teeth and impact among the material. The crushed material flows into the cyclone separator by the gravitation of blower and rotating centrifugal force, then discharges through gate blower, dust come into the pulse dust-evacuator box, filtrated and recycled by the filter cylinder. The crushing size can be adjusted by the screen. Designed by the standard of "GMP" the whole machine is made of stainless steel, and there is no flying dust during the process of production.



WF

分离式的粉碎机组 Split-type Crushing Set



● 技术参数 TECHNICAL PARAMETERS

型 号 Model	主要结构尺寸 Main Structural Dimensions(mm)							生产能力 Capacity	进料粒度 Input Particle Size	出料目数 Output Particle Size	主轴转速 Speed	机器重量 Machine Weight	总功率 Total Power
	L1	L2	H1	H2	H3	H4	W1	Kg/H	mm	mesh	rpm	Kg	Kw
WF-30	4650	5200	2540	1080	650	350	1380	100-400	< 10	12-120	3800	850	12.25
WF-40	5200	5500	2800	1150	650	350	1450	200-800	< 12	12-120	3400	1200	19.25
WF-50	5450	7050	2800	1400	650	350	1550	280-1000	< 15	12-120	2900	1350	30.6
WF-60	5800	7400	3150	1460	650	350	1550	300-1200	< 15	12-120	2300	1500	38.1
WF-80	6100	7900	3250	1570	650	400	1600	400-1800	< 20	12-120	1800	2100	68.5
WF-100	6750	8550	3350	1800	650	400	1750	500-2000	< 20	12-120	1400	2400	86.5

三十年定方圆 只为一件事 Thirty years of Fang Yuan just to do one thing

SIEVINE MACHINE

筛粉机系列

ZS振荡筛系列
Series Vibrating Sifter

ZS高效筛粉机系列
Series High Efficient Sifter

FTS旋转筛系列
Series Centrifugal Sifter

ZS系列直线长方筛粉机
Series Vibrating Sifter

**ZS****振荡筛系列**
Series Vibrating Sifter

□ 概述 SPECIALTY

本机由料斗、振荡室、联轴器、电机等组成。调节的偏心重锤经电机驱动传送到主轴中心线，在不平衡状态下，产生离心力，使物料强制改变在筛网内形成轨道旋涡，重锤调节器的振幅大小可根据不同物料和筛网进行调节，整机结构紧凑，体积小，不扬尘，噪音低、产量高、能耗低，移动，维修方便。ZS型系列分层筛适应于流水作业，是粗细颗粒比例不等过筛连续出料的理想设备。

The machine is composed of hopper, oscillating chamber, coupling and motor. The adjusted eccentricity hammer is driven by the motor and transferred to the center line of the main shaft. Under the unbalanced state, centrifugal force will be generated to change materials compulsively and form orbit vortices in the mesh. The amplitude of the weight regulator can be adjusted according to different and screen meshes. The machine is compact in structure, small in volume. It has no dust, low noise, high output, low energy consumption and it can be easily moved and repaired.



● 技术参数 TECHNICAL PARAMETERS

型 号 Model	ZS-350	ZS-515	ZS-650
生产能力(kg/h) Capacity	60-500	60-1300	180-2000
过筛目数 Mesh	12-200	12-200	12-200
主轴转速(rpm) Spindle Speed	1380	1370	1370
功率(kw) Power	0.55	0.75	1.5
外形尺寸(长*宽*高)(mm) Overall Dimension(L*W*H)(mm)	540*540*1060	710*710*1290	880*880*1350
重量(kg) Weight	100	180	250

ZS**高效筛粉机系列**
Series High Efficient Sifter

□ 概述 SPECIALTY

广泛适用于制药、化工、食品等行业的干粉物料粒度的分级之用。

It is widely used for classification of dry power material size in pharmaceutical, chemical and food industries.



● 技术参数 TECHNICAL PARAMETERS

型 号 Model	ZS-600	ZS-800	ZS-1000	ZS-1200	ZS-1500
生产能力(kg/h) Capacity	80-300	150-2000	200-2900	300-4500	500-5000
过筛目数 Mesh	12-200	12-200	12-200	12-200	12-200
功率(kw) Power	0.55	0.75	1.5	2.2	3
振动频率(time/min) Vibration Frequency	1500	1500	1500	1500	1500
外形尺寸(长*宽*高)(mm) Overall Dimension(L*W*H)(mm)	680*600*1100 (双出口)	1100*950*1150 (双出口)	1330*1100*1280 (双出口)	1380*1500*1320 (双出口)	1800*1800*1320 (双出口)
重量(kg) Weight	280	320	420	600	780

FTS

旋转筛系列

Series Centrifugal Sifter

概述 OVERVIEW

适用于制药、化工、食品等工业生产领域中的物料过筛，对粘度较大、纤维性大、目数较高的物料过筛，能达到满意的效果。

It is suitable for screening materials in the fields of pharmacy, chemical industry, food industry and so on. It can be used to screen materials with high viscosity, high fibre and high meshes.



技术参数 TECHNICAL PARAMETERS

型-号 Model	FTS-190	FTS-300
生产能力(kg/h) Capacity	60-800	200-2000
过筛目数 Meshes	20-200	20-200
功率(kw) Power	5.5	7.5
主轴转速(rpm) Speed	940	620
外形尺寸(长*宽*高)(mm) Overall Dimension(L*W*H)(mm)	1700*530*1430	1730*650*2470
重量(kg) Weight	600	750

ZS

系列振动长方分筛机

ZS Series Vibratangular Screening Machine

概述 OVERVIEW

该机是在ZS系列分层筛粉机基础上改造而成，适用于流水作业，是粗细颗粒比例不等过筛连续出料的理想设备。

This machine is improved on the basis of ZS series stratified sieving powder machine. It is suitable for flow line operation. It is the ideal equipment for continuous sieving of coarse and fine particles.



技术参数 TECHNICAL PARAMETERS

型 号 Model	生产能力 Production Capacity	过筛目数 Meshes Screened	电机功率 Motor Power	振动频率 Vibration Frequency	外形尺寸(长*宽*高) Overall Dimension(L*W*H)	重 量 Weight
ZS-0.3m ²	80-300kg/h	20-150(目)	0.2(kw)	1400(r/min)	1100*500*900(mm)	150kg
ZS-0.5m ²	100-450kg/h	20-150(目)	0.2*2(kw)	1400(r/min)	1250*660*900(mm)	250kg
ZS-0.8m ²	300-750kg/h	20-150(目)	0.2*2(kw)	1400(r/min)	1500*800*900(mm)	320kg
ZS-1.2m ²	500-1100kg/h	20-150(目)	0.4*2(kw)	1400(r/min)	1980*800*900(mm)	400kg
ZS-1.8m ²	800-1600kg/h	20-150(目)	0.4*2(kw)	1400(r/min)	2400*1200*1500(mm)	600kg
ZS-2.2m ²	1000-2000kg/h	20-150(目)	1.1*2(kw)	1400(r/min)	2800*1200*1600(mm)	800kg

三十年定方圆 只为一件事 Thirty years of Fang Yuan just to do one thing

GRANULATOR

制粒机系列

YK系列摇摆式颗粒机
YK Series Swing Granulator

GHL 高效湿法混合制粒机
GHL Series High Efficient Damp Mixing Granulator

GK系列干式造粒机
Model GK Series Dry Granulator

GK-B干式造粒机
Roller Compactor

KZL系列快速整粒机
KZL Series High Speed Granulator

GZJ旋转制粒机
GZJ Series Rotary Granulator



□ 主要用途 MAIN APPLICATION

本机适用于制药、化工、食品等行业，将潮湿的粉末状物料制成颗粒，亦可粉碎块状的干物料。

It is widely used in pharmaceuticals, chemical industry, foodstuffs etc. It can make wet powder material into granule, and also can grind block-shaped dry materials.

□ 工作原理 WORKING PRINCIPLE

通过机械传动使滚筒360°往复摆动，将物料从筛网中挤出制成颗粒或粉碎制粒。

Transmitted mechanically, the roller swings to and for to process materials into granules or squeeze them from sieves.

● 单头颗粒机技术参数 TECHNICAL PARAMETERS

型 号 Model	生产能力(kg/h) Production Capacity	功率(kw) Power	滚筒转速(rpm) Feeding Size	摇摆角度(360°) Production Capacity	滚筒直径(mm) Diameter of cylinder	外形尺寸 (长*宽*高)(mm) Overall Dimensions(L*W*H)	重量(kg) Weight
YK-100	30-200	1.5	65	360°	φ 100	700*400*1050	280
YK-160	100-300	3	55	360°	φ 160	1000*800*1300	380
YK-160B (加强型)	100-300	5.5	55	360°	φ 160	1000*800*1300	450

● 双头颗粒机技术参数 TECHNICAL PARAMETERS

型 号 Model	生产能力(kg/h) Production Capacity	功率(kw) Power	滚筒转速(rpm) Feeding Size	摇摆角度(360°) Production Capacity	滚筒直径(mm) Diameter of cylinder	外形尺寸 (长*宽*高)(mm) Overall Dimensions(L*W*H)	重量(kg) Weight
YK-100	150-400	4	55	360°	φ 100	1050*800*1300	420
YK-160	300-600	5.5	55	360°	φ 160	1100*900*1350	650
YK-200	350-1000	7.5	50	360°	φ 200	1200*1050*1500	850
YK-320	350-1300	11	45	360°	φ 320	1858*1100*1200	1100



GHL

高效湿法混合制粒机

GHL Series High Efficient Damp Mixing Granulator



□ 原理 MAIN PRINCIPLE

粉体物料与结合剂在圆筒形容器中由底部混合浆充分混合成湿润软材，然后由侧置的高速粉碎制粒刀切割成均匀的湿颗粒。

The powdery material and bond in the cylinder are mixed fully at the bottom to become humid soft material. then, it is cut by high-speed crusher and turns into uniform granules.

□ 特点 CHARACTERISTICS

- 1、本机采用立室圆筒结构，结构合理。
- 2、充气密封驱动轴。
- 3、流态化造粒，成粒近似球形，流动性好。
- 4、较传统工艺减少25%粘合剂，干燥时间缩短。
- 5、每批次于混2分钟，造粒1-4分钟，功效比传统工艺提高4-5倍。
- 6、在同一密封容器内完成，干混-湿混-制粒，工艺缩减，符合GMP规范。
- 7、整个操作具有严格的安全保护措施。
- 8、混合和切割均采用双速电机及变频调速，使制粒更均匀。

- a. it is reasonable adapts horizontal cylinder structure.
- b. The pneumatic sealing drive shaft can be switched to water when it is being washed;
- c. Granulating in good fluidization to make the particles to a ball;
- d. Compared to the traditional process, 25% of adhesive and the drying time can be shorted;
- e. Each dry mixing costs 2 minutes, and granulating needs 1 to 4 minutes, thus 4 to 5 times of traditional process in efficiency;
- f. The process dry mixing, humid mixing and granulating is completed in same sealed container, technics simplified, and meets the standard of GMP;
- g. Strict protective measures for operation;
- h. Adopting converter for speed changing in mixing and cutting, viscolizeing granules.

● 技术参数 TECHNICAL PARAMETERS

项 目 Item		规 格 Specification									
名 称 Name	单位										
容 积 Capacity	L	50	100	150	200	250	300	400	600	800	
产 量 Output	kg/batch	15	35	50	70	85	100	130	200	260	
混合速率 Admix speed	r.p.m	0-400	0-400	0-270	0-270	0-250	0-230	0-190	0-170	0-120	
混合功率 Admix power	kw	5.5	7.5	11	15	18.5	22	30	37	45	
切割速度 Incise speed	r.p.m	0-2900	0-2900	0-2900	0-2900	0-2900	0-2900	0-2900	0-2900	0-2900	
切割功率 Incise power	kw	2.2	3	4	5.5	5.5	7.5	11	11	15	



□ 主要用途 MAIN APPLICATION

该机是利用物料中的结晶水，直接将粉料制成颗粒的新设备。该机结构新颖合理，性能稳定可靠，清洗维修方便。该机制成的颗粒可以压片剂。做冲剂。灌胶囊等。该机主要用于制药、食品、化工和其他行业造粒。特别适用于湿法无法解决的物料进行造粒。

As a new equipment that utilizes the crystallized water in the material to pelletize the powder into granulate, this machine features novel and reasonable structure, stable and reliable performance, easy maintenance and cleaning. Granulates made by the machine can be pressed into tablets or capsules, and it's mainly used for granulation in pharmaceutical, chemical, foodstuff and other trades, esp. for granulation of materials not suitable for wet method.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	生产能力(kg/h) Production Capacity	制粒粒度(mm) Production Size	工作压力(kn) Working Pressure	电机功率(kw) Motor Power	外形尺寸 (长*宽*高)(mm) Overall Dimensions(L*W*H)	重量(kg) Weight
GK-70型	20-100	0.5-3	198	11.1	1600*1000*2230	2000
GK-100型	50-150	0.5-3	297	11.8	1560*1000*2230	2200
GK-120型	60-200	0.5-3	294	13.8	1560*1000*2230	2500
GK-200型	80-300	0.5-3	310	25	2150*1250*2700	3500

**GK-B**

干式造粒机

Roller Compactor

□ 概述 OVERVIEW

本机用干法制粒将粉末直接制成粒状产品，无需添加剂和中间体，造粒后粒度均匀、堆积密度高、流动性好，不易成层，既减少粉料的浪费，又防止环境污染，便于贮存和运输，可控制溶解度孔隙率和比表面积。

The powder is directly made into granular product by granulation. There is no need to add additives and intermediates. After granulation, the particles will have uniform sizes, high stacking density, good fluidity. They are not easy to form layers, which can not only reduce the waste of power, but also prevent environment pollution, making it easily stored and transported. It can also control the solubility porosity and the specific surface area.



□ 特点 CHARACTERISTICS

- 1、水平双螺杆送至压辊，便于调节送料量，轧辊冷却均匀，粉料不易粘连轧辊。
- 2、整粒机构做在移动小车上，用特定角度的整粒刀挤粒，能容易的进行制粒。
- 3、送料、轧片、整粒部分，拆装清洗方便，符合GMP要求。
- 4、真空除气装置，效率能提高2~4倍。
- 5、更换筛网容易，机腔发热少。
- 6、整机全封闭，全自动操作，不扬尘。

- a. Horizontal double screw can feed materials to the roller. It can adjust the feeding amount easily. The roller can cool down evenly and the powder materials will not stick to the roller easily.
- b. The granulation mechanism is made on the moving cart. If grains can be squeezed by grain knife at a specific angle, granulation will be done easily.
- c. Feeding, rolling and whole grain parts can be disassembled and cleaned easily, which can meet requirements of GMP.
- d. The efficiency can be increased by 2~4 times with the aid of air removal device.
- f. It is easy to replace the screen mesh and the chamber is less hot.
- g. The machine is fully closed. It can be fully automatic and dust-free.

● 技术参数 TECHNICAL PARAMETERS

型号 Model	生产能力(kg/h) Production Capacity	制粒粒度(mm) Production Size	工作压力(kn) Working Pressure	电机功率(kw) Motor Power	重量(kg) Weight
GK-50B型	10-50	0.5-3	≤25	6.42	1400
GK-100B型	50-150	0.5-3	≤25	9.82	1900
GK-120B型	60-200	0.5-3	≤25	11.82	2100

□ 主要用途 MAIN APPLICATIONS

本机适用于制药、化工、食品等行业干燥的块状原料的粉碎和整粒，也适用于不合要求药片的重新整粒。

It is suitable for grinding and granulating of block materials in the area of pharmaceuics, chemical, foodstuff, and also applied to the re-granulating of unqualified tablets. Etc.



□ 性能特点 CHARACTERISTICS

该机有设计合理的滤网、杆件，能粉碎大块的易碎的物料，并根据离心力原理，用特殊孔的滤网，经锥形杆刀高速旋转而粉碎，粒度大小通过更换筛网获得。该机具有高效节能、生产能力大、粉尘少、噪音低、清洗方便等特点。该机彻底解决了摇摆式颗粒机筛网磨损碎屑污染物料的难题。

It is equipped with scientific strainer, shafts to grind block materials. Based on principles of centrifugal force, it carefully sifts materials by strainer with special holes. The size of granules can be adjusted by changing different sieves. It is efficient but energysaving, great capacity but little dust and noise. It throughly solves the problem on Swing Granule Machine that chipping from will pollute the raw materials.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	KZL-80	KZL-120	KZL-160	KZL-200
生产能力(kg/h) Capacity	20-80	30-150	50-300	80-400
旋翼长度(mm) Length of Rotor	185	185	185	185
滤孔直径(mm) Diameter of filter Hole	1-8	1-8	1-8	1-8
功率(kw) Power	0.75	1.1	1.5	2.2
转速(r/min) Rotating Speed	0-3000	0-1500	0-1500	0-1000
外形尺寸(长*宽*高)(mm) Overall Dimension(L*W*H)(mm)	650*580*1050	1100*900*1200	1100*900*1250	1200*1000*140
重量(kg) Weight	70	135	140	200



GZJ

旋转制粒机

Roller Compactor

□ 主要用途 MAIN APPLICATION

本机是根据旋转式颗粒机进一步改进而成。本公司从事生产十多年的旋转颗粒机以来，不断开发，不断创新。创新了新一代自动卸料的高效旋转式颗粒机，它具有制料快，颗粒均匀，能耗低，效率高等特点，是YK160型摇摆式颗粒机的2-3倍。本机最大的特点是适合于半干式粉末，带有一定粘性的物料制成的颗粒，适合用于中药冲剂、食品类、固体饮料、鸡精及其它带有粘度物料的制粒，也可用于对压片后不合格片剂的破碎，然后重新制粒，继续压片。本机操作简单，清洗容易，移动方便，自动化程度高。符合GMP车间使用，是制药、食品企业的首选设备。

The powder is directly made into granular product by granulation. There is no need to add additives and intermediates. After granulation, the particles will have uniform sizes, high stacking density, good fluidity. They are not easy to form layers, which can not only reduce the waste of power, but also prevent environment pollution, making it easily stored and transported. It can also control the solubility porosity and the specific surface area.



● 技术参数 TECHNICAL PARAMETERS

型 号 Model		GZJ-150	GZJ-250	GZJ-350
功率	Power(kw)	1.5	4	7.5
筛选直径	Dimension(mm)	150	250	350
产量	Caosity(kg/h)	30	200-400	250-500
连续生产时间	Continuous production time(h)	连续	连续	连续
最小制粒直径	Minimun pellet diameter(mm)	φ 1.2-3	φ 1.2-3	φ 1.2-3
碾刀转速	Knife speed(rpm)	60	50 可安装变频 Can install the inverter	40 可安装变频 Can install the inverter
外形尺寸	Overall Dimension(cm)	700*400*700	1200*1700*1100	1350*800*1200
机器净重	Weight(kg)	60	400	600

三十年定方圆 只为一件事 Thirty years of Fang Yuan just to do one thing

MIXER

混合机系列

SBH三维运动混合机系列
Series 3D Swing Mixer

EYH二维运动混合机系列
Series Drum Mixer

FZH方锥混合机系列
Series Square Cone Mixer

HDT自动提升料斗混合机系列
Series Automatic Lifting Bin Mixer

DTH单臂提升料斗混合机系列
Series Post Bin Mixer

WLDH螺条式混合机系列
Series Ribbon Type Mixer

LDH系列卧式犁刀式混合机
Series Square Cone Mixer

CH槽型混合机系列
Series Trough Shape Mixer

GHJ-V型高效混合机系列
Series High Efficient V Shape Mixer

SHJ系列双螺杆锥形混合机
SHJ Series Conical Twin-screw Mixer

GHJ-W型高效混合机系列
Series High Efficient V Shape Mixer

**SBH**

三维运动混合机系列

Series 3D Swing Mixer

□ 主要用途 MAIN APPLICATIONS

广泛用于制药、化工、食品等行业干粉物料的混合，对不同比重和不同粒度的几种物料也能进行快速而均匀的混合，混合均匀度可达99%。

It is widely used to mix dry powder materials in pharmaceutical, chemical, food and other industries. Several materials with different proportion and particle size can also be mixed quickly and uniformly. The mixing uniformity can reach 99%.



□ 性能特点 CHARACTERISTICS

该设备设计与制造严格符合FDA、GMP和CGMP规范；独特的三角摆动，平移转动及摇滚原理，产生强力交替脉冲运动，混合效果出色；积木快装结构，模块化设计，拆装清洗方便。

The equipment is designed and manufactured in strict compliance with FDA, GMP and CGMP specifications; Unique triangular swing and smooth transition and rock principle can produce strong alternating pulse movement and have an excellent mixing effect. With quick assembly structure of building blocks and modular design, it can be easily disassembled and cleaned.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	SBH-10	SBH-25	SBH-50	SBH-100	SBH-200	SBH-400	SBH-600	SBH-800	SBH-1000	SBH-1200	SBH-1500
料筒容积(L) Barrel Volume	10	25	50	100	200	400	600	800	1000	1200	1500
最大装料容积(L) Max.Loading Volume	7	17	35	70	140	280	420	560	700	840	1050
主轴转速 Spindle Speed(rpm)	0-20	0-15	0-15	0-15	0-15	0-12	0-11	0-10	0-10	0-10	0-10
功率(kw) Power	0.55	0.75	1.5	2.2	3	4	5.5	7.5	7.5	11	15
外形尺寸(长*宽*高) Overall Dimension (L*W*H)(mm)	640 *620 *550	900 *900 *75	970 *950 *120	1200 *1600 *1500	1400 *1800 *1600	1700 *2100 *1850	2100 *2400 *2250	2200 *2500 *2300	2400 *2800 *2550	2500 *3100 *2600	2800 *3600 *3200
重量 (kg) Weight	120	150	300	500	800	1200	1500	2000	2500	2800	3000

□ 主要用途 MAIN APPLICATION

广泛用于制药及其它工业上的干物料、颗粒混合。

It is widely used to mix pharmaceutical and other industrial dry materials and particles.

□ 工作原理 WORKING PRINCIPLE

混合筒为圆柱形料筒，桶内不带任何搅拌装置，在绕其对称轴作自转的同时，又绕水平轴作“可倒置”摇摆运动，从而迫使料筒内的物料既有扩散混合又有移动混合。该机具有混合时间短、混合均匀、混合量大等特点。

The mixing tank is a cylinder-shaped barrel without any stringing device inside, which makes the self-rotation around its axis and also produces reversible swing movement around its horizontal axis at the same time. Therefore, the target materials inside the barrel could be mixed diffusely and moveably. It is features with short mixing time, good uniformity, big output, convenient to discharging, etc. It is for prompt, even and cast mixing.



● 技术参数 TECHNICAL PARAMETERS

型 号 Model	料斗容积(L) Barrel volume	装料容积(L) Loading capacity	最大装料量(kg) Max loading weight	摆动、转动次数 No. of swing&roating	电机功率(kw) Motor power	外形尺寸(长*宽*高) Overall Dimension(mm)	重量(kg) Weight
EYH-60	60	42	20	50	0.8	770*730*1100	115
EYH-150	150	90	50	37	1.65	800*1050*1450	190
EYH-300	300	210	100	30	2.95	900*1350*1550	340
EYH-600	600	420	200	23.6	4.4	1170*1640*2050	1150
EYH-800	800	560	280	19.8	5.2	1320*1950*2150	1600
EYH-1000	1000	700	350	19.8	6	1360*2040*2250	1700
EYH-1500	1500	1050	520	16.2	7	1580*2400*2550	2000
EYH-2000	2000	1400	650	16.2	8	1740*2600*2770	2600
EYH-3000	3000	2100	1000	13.8	11	1800*2900*2950	3500
EYH-4000	4000	2800	1200	12.8	13	1970*3300*3300	4100
EYH-6000	6000	4200	1800	11.2	18.5	2300*2900*3800	6100
EYH-8000	8000	5600	2400	10.4	22.5	2540*4100*4050	7900
EYH-10000	10000	7000	3000	9	33	2900*4500*4400	9500

**FZH**

方锥混合机系列

Series Square Cone Mixer

□ 概述 OVERVIEW

该机将物料装入方锥形密闭混合桶内，料斗对称的轴，线与回转轴轴线成一夹角，不同组分物料在密闭的斗料中进行三维空间运动，产生强烈翻转和扩散收缩作用，达到最佳的混合效果。

The machine loads materials into the square conical closed mixing barrel. The symmetrical axis of the hopper forms an included angle with the axis of the rotating shaft. Materials of different components move in three dimensional space in the closed bucket, which produces a strong turning and diffusion contraction effect and achieves the best mixing effect.



□ 性能特点 MAIN APPLICATIONS

1. 整机设计新颖，结构紧凑、外形美观、混合均匀度达99%，体积装料系数达0.8。
2. 回转高度低、运转平稳，性能可靠，操作方便。
3. 桶体内外壁经镜面抛光，无死角、易出料、易清洗，无交叉感染，符合GMP要求。

a. The machine has novel design, compact structure and beautiful appearance. Its mixing uniformity can be as high as 99% and its volume loading coefficient can reach 0.8.

b. Low rotating height, stable operation, reliable performance and convenient operations.

c. Internal and external walls of the barrel body are polished by mirror. It has no dead angles, making materials easily discharged and the machine easily cleaned. It can no cross contamination, which can meet requirements of GMP.

● 技术参数 TECHNICAL PARAMETERS

项目	Item	FZH-300	FZH-500	FZH-1000	FZH-1500	FZH-2000	FZH-3000
全容积(L)	Total volume	300	500	1000	1500	2000	3000
最大装料容积(L)	Charge volume	210	350	700	1050	1400	2100
最大装料重量(Kg)	Charge weight	150	250	500	750	1000	1500
主轴转速(r/min)	Rotation speed of main shaft	0-14	0-13	0-12	0-10	0-8	0-6
电机功率(kw)	Motor power	1.5	2.2	4	5.5	7.5	11
加料口直径(mm)	Inlet diameter	380	380	560	560	560	560
出料口直径(mm)	outlet diameter	200	200	200	200	200	200
外形尺寸(mm) Overall dimensions	(L)	1850	2200	2800	2915	3160	3800
	(W)	1280	1550	2000	2300	2500	3200
	(H)	1970	2260	2850	2950	3200	3850
整机重量(kg)	Weight	500	700	1000	1500	2000	3000

□ 概述 OVERIEW

该机由机架、周转料斗、提升系统、回转系统、电气控制系统等组成。将方锥形料斗放入提升机构中，设备自动完成提升、夹持；料斗的对称轴线与回转轴线成一夹角，不同组分物料在密闭的料斗中进行三维空间运动，产生强烈翻转和扩散收缩作用达到最佳的混合效果。

The machine is composed is composed of frame, revolving hopper, lifting system, rotating system and electrical control system. Put the square cone hopper into the lifting mechanism and the equipment will automatically complete the lifting and clamping operations. The symmetrical axis of the hopper forms an angle with the rotary axis. Materials of different components move in three dimensional space in the closed hopper, producing strong turning and diffusing and contracting action effect and achieveing the best mixing effect.



● 技术参数 TECHNICAL PARAMETERS

型 号 Model	HYD-800
混合转速 Mixing Speed (Rpm)	0-16
外形尺寸 Overall Dimensions(mm)	2400*1100*2480
工作面积 Working Area(mm)	2400*2300*2680
总功率 Total Power(Kw)	4.75
装料系数 Loading Factor(%)	50-70
适合料桶规格(MCL系列)Suitable for Barrel Specifications(MCL Series)	300L/400L/600L/800L
重量 Weight(Kg)	1500

**DTH**

单臂提升料斗混合机系列

Series Post Bin Mixer

□ 产品结构 PRODUCT MIX

将混合机斗料推入回转臂并锁紧螺母，启动控制系统，将料斗提升到混合高度。控制系统按设定的时间、转速等数据进行自动混合。混合作业结束，定料在水平位置，料斗自动下降到地面，整机停止，并打印工艺数据。松开回转臂的锁紧螺母，将料斗推出转到下一工序。由于料斗对称的轴线与回转臂回转轴线成一夹角。不同组分物料在密闭的料斗中进行三维空间运动，产生强烈翻转和高的切变，达到较好的混合效果。

Push the mixer hopper into the swing arm and lock the nut to activate the control system and raise the hopper to the mixing height. The control system automatically mixes according to the set time, speed and other data. At the end of the mixing operation, the material is placed in the horizontal position, the hopper is automatically lowered to the ground, the whole machine is stopped, and the process data is printed. Loosen the lock nut of the swing arm and push the hopper out to the next step. Since the axis of symmetry of the hopper is at an angle to the axis of rotation of the swivel arm, different component materials are removed in a three-dimensional space in a closed hopper, resulting in strong inversion and high shear to achieve a better mixing effect.



性能特点 MAIN APPLICATION

- 1.机电液一体化的高科技产品。液压提升、液压驱动、PLC控制；控制简便，工艺参数调整方便。
- 2.每批次药物混合使用后，空料斗运往专门的清洗间清洗，保持工作间的清洁环境。
- 3.单机可配多种规格的料斗，混合后的物料不出料斗从回转臂上随料斗卸下，直接转入下工序，大大提高了混合机的使用效率，避免了物料交叉感染，完全符合GMP的要求。
- 4.混合料斗可作上工序的配料桶，又可作下工序（压片、填充）的加料斗。
- 5.混合均匀度在99%以上，体积整料系数达0.80，桶装内外光洁、无死角。
- 6.控制系数灵敏、整机结构紧凑、运转稳定可靠。

- a.High-tech products integrating electromechanical and hydraulic.Hydraulic lifting,hydraulic drive,PLC control;easy control,easy adjustment of process parameters.
- b.After each batch of drugs is mixed,the empty hopper is transported to a special cleaning room to maintain a clean environment in the workplace.
- c.The single machine can be equipped with hopper of various specifications.The mixed materials are not discharged from the slewing arm with the hopper ,and directly transferred to the next process,which greatly improves the use efficiency of the mixer,avoids cross-infection of materials,and fully conforms to GMP.Claim.
- d.The mixing hopper can be used as the batching bucket of the upper process,and can also be used as the hopper of the lower process(pressing and filling).
- e.The mixing unifromity is above 99%,the volume and the whole material coefficient are up to 0.80,and the barrel is clean inside and outside,and there is no dead angle.
- f.Sensitive control system,compact structure,stable and reliable operation.

技术参数 TECHNICAL PARAMETERS

型 号 Model	DTH-100	DTH-200	DTH-300	DTH-400	DTH-600
最大料斗容积(L) Maximum Hopper Volume	100	200	300	400	600
最大装料容积(L) Max.Loading Volume	80	160	240	320	480
最大装料重量(kg) Max.Loading Weight	50	100	150	200	300
主轴转速(rpm) Spindle Speed	3--20	3--20	3--20	3--15	3--15
电机功率(kw) Motor Power	1.5	3	3	4	4
整机重量 (kg) Total Weight	600	800	1000	1200	1400
外形尺寸(长*宽*高) Overall Dimension (L*W*H)(mm)	2300 *1500 *1500	2500 *1800 *2000	2500 *1900 *2100	2600 *2100 *2300	2800 *2300 *2500

□ 概述 OVERVIEW

本机主要用于制药、食品、化工等行业。

The machine is mainly used in pharmaceutical, food, chemical and other industries.

□ 搅拌器设计 DESIGN

三种标准：连续式螺条、打断式螺条和浆叶的设计可选。它们分别是根据中心或底部卸料的要求进行排列。

Three standards: Continuous screw, interrupted screw and blade design can be optional. They are arranged according to the central or bottom material discharging requirements.



连续式螺条用于中心出料

Continuous screws are used for central discharge

可迅速达到均质混合的效果，外部的螺条物料移到中心位置。内部的螺条将物料推到端板，两者使物料作辐射状运动。

The result of homogenization can be achieved quickly and the outer screw materials are moved to the central position. Internal screws push materials to the end plate. Both of them make materials move radially.

打断式螺条

Break-type ribbon

提供与连续式螺条相同的物料运动形式，只需要很小的动力，因此广泛应用于高密度物料。

It is widely used in high density materials because it only needs a little power to provide the same form of material movement as continuous screw.

连续式螺条用于底部出料

Continuous screws are used for discharging bottom materials

外部的螺条将物料移到中心位置，内部的螺条将物料推到定的位置，两者使物料作辐射状运动。

Outer screws move materials to the central position while inner screws push materials to the fixed position. Both of them make the materials move radially.

桨叶式螺条

Paddle ribbon

当机器被用于不完全或者完全的间隙式操作时，这种混合设计是极好的选择，在最小负载的情况下也可以获得最有效的混合。

This hybrid design is an excellent choice when the machine is used for incomplete or full intermittent operation. The most effective mixing can be achieved with minimal loads.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	WLDH-100	WLDH-200	WLDH-300	WLDH-500	WLDH-750	WLDH-1000	WLDH-1500	WLDH-2000
有效容积(L) Effective Capacity	100	200	300	500	750	1000	1500	2000
标准(kw) Standard	2.2	3	3	5.5	7.5	11	11	15
重负荷(kw) Heavy Load	4	5.5	5.5	7.5	11	15	15	22
回转数(Hz/rpm) Number of Revolutions	69	52	46	39	33	30	26	21
粉接部材料 Power Joint Material	304/316L	304/316L	304/316L	304/316L	304/316L	304/316L	304/316L	304/316L
全长(mm) Full length	1960	2330	2410	2730	2850	3100	3350	3450
全高(mm) Full Height	1400	1520	1590	1700	1810	2210	2350	2570
出料口高度(mm) High Discharge H3	500	500	500	500	500	750	750	750



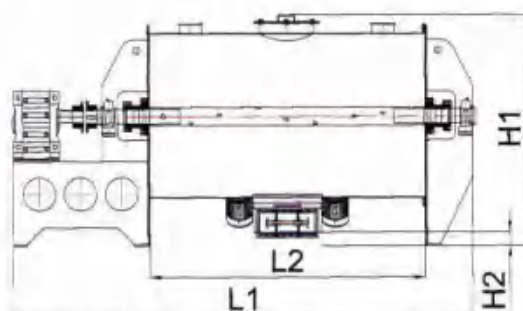
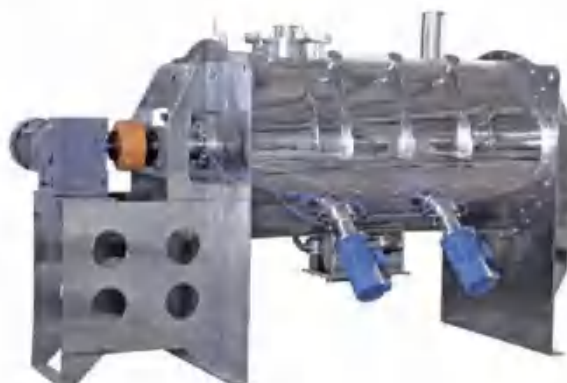
LDH

系列卧式犁刀式混合机
Series Square Cone Mixer

□ 概述 OVERVIEW

此混合机作用下的物料保持湍流的原理，搅拌器犁式的形状，配合搅拌速度，产生离心涡旋运动，致使受力物料三维扩散，并彼此融合，适合于干粉，粒子与小块状，与低粘度浆料的混合。

Plough mixer keeps material onflow.Because of high speed and shapes of plough agitator, centrifugal vortex action,Material in plough mixer makes three-dimension movement and is mixed together.This type of mixer is fit for dry powder, granule,small fibre,liquid and paste with low viscosity.



□ 性能特点 MAIN APPLICATIONS

犁头或者倾斜刀片安装在搅拌轴上，设备运行时，犁刀的结构作用物料粒子做圆周轨迹的径向与纵向相互配合的持续混合运动，避免了混合死角，从而保证了高精度混合。

Plough or inclind blade is set on shaft,when the equipment is running,special structure leads the material to be continuously mixed.With radial and longitudinal movement simultaneously,dead corner is avoided and thus high accuracy mixing si achieved.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	主要结构尺寸 Main Structural Dimensions(mm)						容积 Volume	最大混合量 Max Loading	混合转速 Speed	机器重量 Machine Weight	总功率 Total Power
	L1	L2	W1	W2	H1	H2	L	Kg	rpm	Kg	Kw
LDH-200	1525	800	700	850	1000	100	200	120	97	450	4
LDH-300	1675	1000	800	900	1100	100	300	180	85	560	5.5
LDH-500	1950	1250	880	1100	1200	100	500	300	85	850	7.5
LDH-1000	2404	1500	1100	1280	1400	100	1000	600	72	1300	11
LDH-1500	3290	2000	1100	1385	1400	100	1500	900	63	1700	15
LDH-2000	3290	2000	1330	1450	1520	100	2000	1200	63	2200	22
LDH-3000	3290	2000	1530	1550	1720	100	3000	1800	63	3200	30
LDH-4000	4300	2700	1530	1800	1850	100	4000	2400	56	4200	37
LDH-6000	5000	3000	1750	2000	2050	100	6000	3500	56	5200	45
LDH-8000	5300	3200	1950	2200	2300	100	8000	4500	48	6600	55
LDH-10000	5800	3400	2150	2350	2500	100	10000	5500	48	7800	75

□ 概述 OVERVIEW

该机通过机械传动，使S式搅拌桨叶旋转，推动物料往复翻动，均匀混合。

适用于制药、化工、食品等行业，均匀混合粉状或糊状物料。

Through mechanical transmission, S-type mixing blade of the machine rotates to push material to move back and forth so that they can be mixed evenly.

This machine is suitable for pharmaceutical, chemical, food and other industries and it can mix powder or paste materials evenly.



● 技术参数 TECHNICAL PARAMETERS

型 号 Model	CH-50	CH-100	CH-150	CH-200	CH-300	CH-500
工作容积(L) Working Volume	50	100	150	200	300	500
搅拌转速(rpm) Mixing Speed	24	24	24	24	24	20
搅拌电机(kw) Stirring Motor	1.5	2.2	3	4	5.5	11
倒料电机(kw) Reverse Motor	0.75	0.75	0.75	0.75	1.5	2.2
外形尺寸(长*宽*高) Overall Dimension (L*W*H)(mm)	700 *400 *600	1560 *500 *830	1720 *600 *1012	1880 *600 *1012	2120 *650 *950	2250 *770 *1360
重量(kg) Weight	320	350	480	530	570	840

**GHJ-V**

型高效混合机系列

Series High Efficient V Shape Mixer

□ 概述 OVERVIEW

本机混合筒结构独特、混合功效高、无死角、混合均匀。

适用于制药及其它工业上的干物料颗粒混合之用。

The machine has unique mixing barrels, high mixing efficiency, no dead angle. It can mix products evenly. It is suitable for mixing dry material particles in pharmaceutical and other industries.



● 技术参数 TECHNICAL PARAMETERS

型 号 Model	GHJ-50V	GHJ-100V	GHJ-200V	GHJ-300V	GHJ-500V	GHJ-1000V	GHJ-1500V	GHJ-2500V	GHJ-4000V	GHJ-6000V
生产能力(L/batch) Throughput	35	70	140	210	350	700	1050	1750	2800	4200
混合时间(Min) Mixing Time	5-20	5-20	5-20	5-20	5-20	5-20	5-20	5-20	5-20	5-20
全容积(m ³) Full Volume	0.05	0.1	0.2	0.3	0.5	1.0	1.5	2.5	4.0	6.0
筒体转速(rpm) Cylinder Speed	0-20	0-15	0-15	0-12	0-12	0-10	0-10	0-8	0-6	0-5
电机功率(kw) Motor Power	0.75	1.1	2.2	2.2	3	4	5.5	7.5	11	15
回转总高度(mm) Gyration Height	1150	1520	1800	1850	2450	3000	3100	3790	4200	4380

SHJ

系列双螺杆锥形混合机

SHJ Series Conical Twin-screw Mixer



□ 主要用途 MAIN APPLICATIONS

该机是一种新型高效、高精度的混合设备，广泛适用于制药、化工、饲料等行业的各种粉体的混合，特别适用于比重悬殊、混配比悬殊的物料混合。

As a new type high efficiency and high precision mixing equipment, this machine is widely used for mixing of powdery or paste materials in pharmaceutical, chemical and feed trades etc.

□ 主要特点 CHARACTERISTICS

该机自转、公转有一套电机及摆线针轮减速机组成，搅拌范围大，混合速度快。

It is equipped with a set of motor and cycloidal pinwheel reduction device, with large agitating scope and rapid mixing speed.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	生产能力kg/time Production Capacity	全容积(m) Total volume	装载系数 Loading coefficient	物料粒度(目) Material Size	电机功率(kw) Motor power	重量(kg) Weight
SHJ100	40	0.1	0.8	20-350	2.2	300
SHJ300	100	0.3	0.8	20-350	3	600
SHJ500	210	0.5	0.8	20-350	4	800
SHJ1000	420	1	0.8	20-350	5.5	1200
DLH2000	850	2	0.8	20-350	11	1800
DLH3000	1300	3	0.8	20-350	15	2200
DLH4000	1600	4	0.8	20-350	18.5	2600
DLH5000	2100	5	0.8	20-350	22	3000
DLH6000	2500	6	0.8	20-350	30	3500

GHJ-W

型高效混合机系列 Series High Efficient V Shape Mixer

□ 概述 OVERVIEW

该机同V型混合机的功能相似。适用于制药、化工、食品、饲料、染料、电子等行业。本机对流动性较好的粉体及颗粒状进行混合，效果显著。各项技术指标均能达到国外同类产品标准。筒体用不锈钢材料制作，内外壁抛光外形美观，操作方便。

With similar functions to those of V type mixer, this machine is applicable for pharmaceutical, chemical, foodstuff, feed, dyestuff and electronic trades etc. It has remarkable effect in mixing powders and particles with relatively good fluidity. With the each Index reaching the standard of same kind of foreign product, it's barrel is made of stainless steel, which is polished both inside and outside, featuring beautiful appearance and easy operation.



● 技术参数 TECHNICAL PARAMETERS

型 号 Model	W-30	W-100	W-300	W-500	W-1000	W-1500	W-2500	W-4000	W-6000	W-8000
生产能力(L/batch) Throughput	21	70	210	350	700	1050	1750	2800	4200	5600
混合时间(Min) Mixing Time	8-15	8-15	8-15	8-15	8-15	8-15	8-15	8-15	8-15	8-15
全容积(m³) Full Volume	0.03	0.1	0.3	0.5	1	1.5	2.5	4	6	8
筒体转速(rpm) Cylinder Speed	0-15	0-15	0-15	0-15	0-12	0-12	0-12	0-10	0-10	0-10
电机功率(kw) Motor Power	0.75	1.1	2.2	3	4	5.5	7.5	11	15	22
重量(kg) Weight	100	200	310	550	800	950	1650	1880	2350	2680

三十年定方圆 只为一件事 Thirty years of Fang Yuan just to do one thing

DRYER

干燥机系列

SZG系列双锥回转真空干燥机
SZG Series Double Cone Rotary Vacuum

RXH-B热风循环烘箱
Hot Air Circulating Drier

YZG/FZG系列真空干燥机
YZG/FZG Series Column & Rectangular Vac

FL系列沸腾制粒干燥机
FL Series Fluidized Granulating Drier

FG系列高效沸腾干燥机
Series FG Vacuum Drying Machine

FZJ系列真空上料机
Model GFG series High-efficiency Fluidized Drier



SZG

系列双锥回转真空干燥机

SZG Series Double Cone Rotary Vacuum



□ 主要用途 MAIN APPLICATIONS

本机适用于医药、食品、化工等行业的粉、粒状物料的真空干燥，尤其适用以下物料的干燥：热敏性、易氧化、结晶体不允许破坏的物料；回收溶剂的物料；强烈刺激有毒的物料。

It is applied to vacuum drier of powder and granule materials in industries of pharmaceuticals, chemical and foodstuff trades etc, especially for those heat sensitive, easy oxidizing and non-crystalline damage materials, and also solvent recovering material and strong irritating and toxic materials.

□ 主要特点 CHARACTERISTICS

容器旋转，物料受热面不断更新，干燥速率加快，产品干燥均匀；间接加热，物料避免污染；无死角，易操作、易清洗；经过优化设计的密封方式，密封效果更好，维护保养特别方便。

The vessel rotates to continuously change the heating surface of materials. With the high speed and even drying, it has no pollution to material and is operated and cleaned easily. In addition, the optimizely-designed seal has good sealing effect and convenient maintenance.

● 技术参数 TECHNICAL PARAMETERS

型 号	Model	SZG-50	SZG-100	SZG-350	SZG-500	SZG-1000	SZG-1500	SZG-2000	SZG-3000
总容积(L)	Total volume	50	100	350	500	1000	1500	2000	3000
转 速(rpm)	Rotating Speed	0-10	0-6.5	0-6.5	0-6.5	0-6.5	0-6.5	0-6	0-5
功 率(kw)	Power	1.1	1.1	2.2	3	4	4	5.5	7.5
装料系数	Loading coefficient	≤50%							
加热介质	Heating medium	蒸汽、热水 steam、hot water							
工作压力(Mpa)	内罐 Inside	-0.08--0.1							
Working pressure	夹套 Inter layer	0.25-0.3							
工作温度(℃)	内罐 Inside	≤80							
Working temperature	夹套 Inter layer	≤140							
外形尺寸(长*宽*高)	Overall Dimensions(L*W*H)	1850*700*1560	1962*700*1650	2212*750*1980	2362*800*2140	2362*1000*2470	2862*1000*2590	3500*1500*2665	4370*1700*3120
重 量(kg)	Weight	500	600	800	1000	2000	2500	3000	5000

RXH-B

热风循环烘箱 Hot Air Circulating Drier

概述 OVERIEW

广泛适用于制药、化工、食品、轻工、重工业的原料、产品的加热与除湿。

It is widely used in heating and dehumidifying raw materials and products of pharmaceutical industry, chemical industry, food industry, light industry and heavy industry.



技术参数 TECHNICAL PARAMETERS

型 号 Model	RXH-B-0	RXH-B-I	RXH-B-II	RXH-B-III	RXH-B-IV
每次干燥量(kg) Dry Amount Per Time	60	120	240	360	480
配用功率(kw) Matching Power	0.45	0.45	0.9	1.35	1.8
耗用蒸汽(kg/h) Mixing Time	6	20	45	70	90
散热面积(m²) Cooling Area	5	20	40	80	100
风量(m³/h) Air Volume	3450	3450	6900	10350	13800
上下温差(℃) Upper&Lower Temperature Difference	±2	±2	±2	±2	±2
配用烘盘(只) With Baking Tray	24	48	96	144	192
外形尺寸(长*宽*高)(mm) Overall Dimensions(L*W*G)	1370*1200*2200	2300*1200*2200	2300*2210*2200	3300*2210*2200	4460*2210*2200
重量(kg) Weight	800	1500	1800	2200	2800
配用烘车(辆) Equipped With a Drying Car	1	2	4	6	8



YZG/FZG

系列真空干燥机

YZG/FZG Series Column & Rectangular Vac

□ 主要用途 MAIN APPLICATIONS

适用于制药、化工、食品、电子等行业的物料干燥。

It is applied to materials' drying in industries of pharmaceuticals, chemical, foodstuff and electronics.



□ 主要特点 CHARACTERISTICS

1. 当加热温度恒定，提高真空度，能加快干燥速率；
2. 当真空度恒定，提高加热温度，能加快干燥速率；
3. 既提高真空度，又提高加热温度，则大大加快干燥速率。如果采用冷凝器，物料中的蒸发溶剂可通过冷凝器加以回收，是一种常用的干燥设备。如果采用JZJS-70水环泵真空机组，可不用冷凝器，则节省能源及投资。

If the heating temperature is invariable, raising the vacuum degree will improve the drying velocity;

If the vacuum degree is invariable, raising the heating temperature will improve the drying velocity;

If not only raising the vacuum degree but also the heating temperature, it will greatly improve the drying velocity.

● 技术参数 TECHNICAL PARAMETERS

型 号	Model	YZG-600	YZG-1000	YZG-1400	FZG-15
干燥箱内尺寸(mm)	Inner Dimensions of Drying Box	φ600*976	φ1000*1527	φ1400*2054	1500*1400*1220
干燥箱外尺寸(mm)	Outer Dimensions of Drying Box	1135*810*1020	1135*810*1020	1135*810*1020	1513*1924*2060
烘干层数	Layers of dry rack	4	6	8	8
层间距离(mm)	Distance between layers	81	102	102	102
烘盘尺寸(mm)	Size of dry tray	310*600*45	460*640*45	460*640*45	460*640*45
烘盘数	Number of dry tray	4	12	32	32
烘架管内使用压力(MPa)	Use pressure inside of pipe	≤0.784			
烘箱内使用温度(℃)	Temperature inside oven	80℃			
烘箱内真空度(pa)	Vacuum degree inside oven	1330			

□ 主要用途 MAIN APPLICATIONS

制药工业中的造粒：片剂颗粒、冲剂颗粒、胶囊剂颗粒。

食品工业中的造粒：可可、咖啡、奶粉、颗粒果汁、调味品等。

其他行业的造粒：农药、饲料、化肥、颜料、染料化工等。粉状或颗粒状湿物料的干燥。包衣：颗粒、丸剂保护层、备色、缓释、薄膜、肠溶包衣等。

Granulation for pharmacy industry: table ,electuary and capsula etc.

Granulation for foodstuff industry:cocoa,coffee, milk, powder,granule syrup and dyestuff chemical etc.

Drying for powder or granulating wetted material.

Covered for granule ,pill protective layer,color preparation,film and enteric coated etc.



□ 工作原理 WORKING PRINCIPLE

物料粉末粒子，在原料容器（流化床）中呈环形流化状态；受到经过净化后的加热空气预热和混合，将粘合剂溶液雾化喷入，使若干粒子聚集成含有粘合剂的团粒，由于热空气对物料的不断干燥，使团粒中水分蒸发，粘合剂凝固，此过程不断重复进行，形成理想的、均匀的多微子L球状颗粒。

The powder granule the container(fluidization bed)appears the state of fluidization.It is preheated and mixed with clean and heated air.At the same time the solution of adhesive solvent is fogged and sprayed into the container.It makes the some particles become granulating that contains adhesive.Being of unceasing dry through hot air,the moisture in the granulating is evaporated and the adhesive is solidification .The process is carried out continuously .Finally it forms ideal ,uniform and porous granules.



系列沸腾制粒干燥机

FL Series Fluidized Granulating Drier



干燥机系列

Dryer Series

□ 主要特点 CHARACTERISTICS

通过粉体造粒，改善流动性，减少粉尘飞扬；
通过粉体造粒改善其溶解性能；
混合、制粒、干燥在一机内完成一步法制粒；
采用抗静电滤布，设备操作安全；
设置压力泄放孔，一旦发生爆炸，设备人员不受到伤害；
设备无死角，装卸料轻便迅速，冲洗干净，满足GMP规范。

Because of powder Granulating ,the flow property is improved and the dust is reduced;
Because of powder Granulating ,its solving property is improved;
The mixing,Granulating and drying can be completed in one step inside the machine;
The operation of equipment is safe because the anti static filtering cloth is adopted;
The operation personnel can not be damaged if explosion take place because there is releasing hole;
The equipment has no dead corner. Therefore the loading and unloading are quick and light and clean. It can meet the requirements of GMP.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model		3	5	15	30	60	120	200	300	500
原料容器 Container	容量 (L) Volume	12	22	45	100	220	420	670	1000	1500
	直径 (MM) Diameter	300	400	550	700	1000	1200	1400	1600	1800
生产能力 Capability	最小 (kg) Min	1.5	4	10	15	30	80	100	150	250
	最大 Max	4.5	6	20	45	90	160	300	450	750
风机 Fan	风量 Capacity	1000	1200	1400	1800	3000	4500	6000	7000	8000
	风压 (mm h ₂ O) Pressure	375	375	480	480	950	950	950	950	950
	功率 (kw) Power	3	4	5.5	7.5	11	18.5	22	30	45
蒸汽消耗量 Steam expenditure		15	23	42	70	141	211	282	366	451
压缩空气耗量 (m ³ /min) Comperessed air expenditure		0.9	0.9	0.9	0.9	1.0	1.0	1.1	1.5	1.5
主机重量 (kg) Weight of the main body		500	700	900	1000	1100	1500	1500	1800	2000
蒸汽压力 (m ³ /min) Steam pressure		0.3-0.6								
温度 (℃) Temperature		室温-120℃范围可调节				Adjustable at the range from room temperature to 120℃				
作业时间 (min) Working time		随物料特性而定45-90				Decided in accordance with the properties of raw materials				
物料收得率		≥99								
噪声		风机与主机隔离安全，噪声≤75DB When installation,main machine is separated from fan								
主机外观尺寸		1.0*0.6 *2.1	1.2*0.7 *2.3	1.25*0.9 *2.5	1.6*1.1 *2.5	1.85*1.4 *3	2.2*1.65 *3.3	2.34*1.65 *3.3	2.8*2.1 *4.0	3*2.25 *4.4

□ 主要用途 MAIN APPLICATIONS

用于粒径为0.1~6mm颗粒物料沸腾干燥，适用于制药、食品、轻工、化工等行业的成品、中间体(半成品)的湿颗粒和粉状的快速干燥。

This machine is used for boiled drying of granulate material with size of 0.1~6mm, and is applicable for quick drying of wet granulate and powdery material of finished products and intermediate(semi-finished products) in such trades as pharmacy, foodstuff, light industry and chemical etc.

□ 工作原理 WORKING PRINCIPLE

自然空气在风机抽引下，途径净化柜、加热器、在物料床板小孔中形成高速气流，并使物料呈沸腾(流态化)状态，然后将物料中的水份(或溶剂)迅速蒸发(或挥发)从而达到干燥目的。料斗内配有搅拌器，物料沸腾无死角，干燥均匀、快速。并可根据物料特性自由设定干燥时间，一般为10~30min

Under the draught of fan, natural air passes through purification cabinet and heater, and form high speed airflow in small hole of material bed board, which makes the material into boiled (fluidized) status and then makes the moisture (or solvent) in material vaporized (or volatilized) quickly, thus realizing drying purpose. Stirrer is designed inside hopper, material boiling is free of dead ganle, with unifrom and quick drying, drying time can be set up freely according to material characteristic, and normally and 10~30min.



● 技术参数 TECHNICAL PARAMETERS

型 号 Model		FG-60	FG-100	FG-120	FG-150	FG-200	FG-300	FG-500
料斗容量Volume of hopper(L)		200	300	400	500	650	1000	1500
生产能力Production capacity(kg)		30-60	50-100	60-120	70-150	100-200	150-300	200-500
进风温度Air-in temperature(℃)					50-100			
风 机 Fan	风量Blast(m³/h)	2576	3488	3619	5114	6032	7766	10800
	风压Air pressure(pa)	5639	5080	7109	5869	7610	9500	9500
	功率power(kw)	7.5	11	15	18.5	22	30	45
搅拌机 Stirrer	转速Rotary speed(r/min)	11	11	11	11	11	11	11
	电机motor(kw)	0.55	0.55	0.55	0.75	0.75	1.1	1.5
电加热功率power(kw)		54	63	63	72	81	99	117
蒸 汽 Steam	压力(mpa)	0.4	0.4	0.4	0.4	0.6	0.6	0.6
	消耗量Consumption(kg/h)	140	170	210	240	280	366	451
压缩空气 Consumption	压力(mpa)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	消耗量Consumption(kg/h)	0.6	0.6	0.6	0.9	0.9	0.9	0.9
主机重量Weight of main machine(kg)		1000	1200	1450	1500	1700	2200	2800



回转窑

干燥连线设备

Rotary kiln drying line equipment

□ 概述 OVERVIEW

回转窑是一种常见的工业设备，主要用于高温处理和转化物料。它是一个长而圆筒形的容器，通常是水平放置的，并以一定的倾角倾斜安装。物料从一个端口进入回转窑，然后在回转窑内沿着轴向逐渐移动，最终从另一端口排出。

Rotary kiln is a common industrial equipment, mainly used for high temperature treatment and conversion of materials. It is a long, cylinder-shaped container that is usually placed horizontally and installed at an inclined Angle. The material enters the rotary kiln from one port, then gradually moves along the axis in the rotary kiln, and finally exits from the other port.



□ 工作原理 WORKING PRINCIPLE

回转窑的工作原理基于物料在高温下的热处理和转化过程。通过加热回转窑内的物料，可以实现干燥、煅烧、焙烧、焚烧、冶炼、气化等不同的处理效果，具体取决于应用的需求和工艺要求。

The working principle of the rotary kiln is based on the heat treatment and conversion process of the material at high temperatures. By heating the materials in the rotary kiln, different treatment effects such as drying, calcination, roasting, incineration, smelting and gasification can be achieved, depending on the needs of the application and process requirements.

● 技术参数 TECHNICAL PARAMETERS

型 号 Model	Φ2.5×40	Φ2.5×54	Φ2.5×50	Φ2.7×42	Φ2.8×44	Φ3.0×45	Φ3.0×48
产量(t/d) Capacity	180	200	280	320	450	500	700
转速 (rpm) Rotational speed	0.44-2.44	0.48-1.45	0.62-1.86	0.10-1.52	0.437-2.18	0.5-2.47	0.6-3.48

三十年定方圆 只为一件事 Thirty years of Fang Yuan just to do one thing

APPENDING MACHINE

上料系统

FZJ系列真空上料机
Series FZJ Vacuum Appending Machine

□ 原理 PRINCIPLE

启动后，压缩空气进入真空发生器，同时料斗的放料门关闭，料斗中产生真空。通过真空气流的作用，被输送的物料经软管被吸送到真空料斗中，同时料斗的放料门在气缸推动下开启，物料从放料门自动放入受料设备中，同时，储存在气包中的压缩空气反吹过滤器，过滤器自动清洗，周而复始，物料被源源不断地送入受料设备中。

After start-up, compressed air getting into the vacuum generator, at the same time, the discharge door of hopper is closed, and the hopper becomes vacuum. Through the vacuum airflow, the conveyed material by the hose is transported to the vacuum hopper, concurrently the hopper discharge door is opening under the promoting of the air cylinder, the material form the discharge door automatically into the receiving equipment, and the compressed air stored in the air bag back flush filter, the filter is cleaning itself automatically, running incycle, the material is set into the receiving equipment constantly.



FZJ

系列真空上料机

Series FZJ Vacuum Appending Machine

□ 优点 PRINCIPLE

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，该机减轻了工人的劳动强度，杜绝了粉尘污染，该机具有结构简单、体积小、免维修、噪音低、控制方便、消除物料静电和符合GMP要求等特点。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。保证了混合成分的均一性，是粉碎机、筛粉机、混合机、干法制粒机、压片机、胶囊填充机、包装机、等机械自动上料的首选设备。

Pneumatic vacuum feeding machine is using compressed air via the vacuum generator producing high vacuum to realize the transport of the material, don't need a mechanical vacuum pump. The machine can reduce the labor intensity of the workers, and prevent dust pollution. The machine has the characteristics of simple structure, small volume, free repair, low noise, convenient control, eliminating the static electricity of materials and meeting the requirements of GMP. High vacuum generator make the conveyed material eliminate the stratification phenomenon, and ensure the uniformity of mixture components. It is the first selection of automatic feeding device, such as Grinder machine, screening machine, mixing machine, dry granulator, table press, capsule filling machine, packing machine and so on.

● 技术参数 TECHNICAL PARAMETERS

气动上料机技术参数 TECHNICAL PARAMETERS

型 号 Model	FZJ-1	FZJ-2	FZJ-3	FZJ-4	FZJ-5	FZJ-6
输送量(Kg/H) Transportation Volume	350	750	1000	2000	3000	4000
耗气量(L/min) Air Consumption	180	360	720	1440	2880	4320
供气压力(mPa) Air Supply Pressure	0.6	0.6	0.6	0.6	0.6	0.6
外形尺寸(mm) Outline Size	φ 140*560	φ 220*720	φ 290*850	φ 420*1350	φ 420*1250	φ 600*1650

电动上料机技术参数 TECHNICAL PARAMETERS

型 号 Model	FZJ-1	FZJ-2	FZJ-3	FZJ-4	FZJ-5	FZJ-6	FZJ-7
电机形式 Motor Form	漩涡风机	漩涡风机	漩涡风机	漩涡风机	两级漩涡风机	漩涡风机/罗茨风机	两级漩涡风机/罗茨风机
电机功率(kw) Motor Power	1.5	2.2	3	5.5	5.5	7.5/4	7.5/5.5
输送量(Kg/H) Transportation Volume	400	600	1200	2000	3000	3500	4000
供气压力(mPa) Air Supply Pressure	0.6	0.6	0.6	0.6	0.6	0.6	0.6
外形尺寸(mm) Outline Size	φ 220*820	φ 220*820	φ 290*950	φ 420*1350	φ 420*1350	φ 420*1450	φ 420*1350
吸料管直径(mm) Diameter of Suction Tube	φ 38	φ 38	φ 51	φ 51	φ 51/63	φ 63	φ 76