



LYG FAMOUS GROUP CO., LTD

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概述 Descriptions

冻干机全称为真空冷冻干燥机，它是当今食品、生物制品、药品加工最先进的干燥技术。它通常用于延长易腐材料的保存时间，或使材料更方便运输。这种干燥技术可广泛应用于蔬菜、水果、调味品、水产品、生物制品、医药、饮料等行业。

Freeze dryer known as vacuum freeze drying machine,it's the machine with most advanced drying technology for food,biological products,medicine processing today,it's typically used to prolong the preservation time of perishable material or let material more convenient to transport.This kind drying technology can be widely used in process of vegetables, fruits, condiments, aquatic products, biological products, medicine, beverage and etc.



原理 Principle

通常，物料在在真空条件下通过冷冻干燥升华。物料中提前被预冻的水分，直接从固态升华成气态而不经融化过程。冻干机通过冻结材料，减少压力，增加热量，以允许冻结的水分升华。

Generally,the material is sublimated by freezing dried in vacuum condition.The moisture in the prefrozen material is sublimed directly from solid state (ice) to gaseous state (vapor) without melting.Freeze dryers work by freezing the material, then reducing the pressure and adding heat to allow the frozen water in the material to sublimate.

特点 Features

- ◇水化性好（海绵状）。

◇味道鲜美.水化后几乎如同新鲜原料。

◇好看（100%保持原色、形状和体积）。

◇几乎100%保持原有营养成分.无损失。

◇在室温下保存时间长，质量保证。
- ◇Good re-hydration nature(sponginess)

◇Good and fresh flavor & taste,almost as fresh materials after re-hydration.

◇Good-looking (100% keep original color & shape & Volume)

◇Remain nearly 100% of the original nutritious components,no loss.

◇Longer preservation time and quality assurance in room temperature.

技术参数 Technical parameters

型号 Model	SFD-1	SFD-2	SFD-3	SFD-5	SFD-10	SFD-20	SFD-30	SSD-50	SSD-100	SSD-150	SSD-200
有效冻干面积 freeze-drying area (m2)	1.07	2.14	3.21	5.05	10.01	20.2	30.03	50.5	101.1	151.6	202.2
干燥能力 Loading capacity (kg/batch)	10	20	30	50	100	200	300	500	1000	1500	2000-3000
料盘数量 Tray QTY (pcs)	3	6	9	14	28	56	84	136*2	272*2	408*2	528*2
速冻室温度 Quick-freezing room temp	-30℃ ~ -60℃							-30℃ ~ -50℃			
冷阱温度 Cold trap temp	-50℃ ~ -80℃							-35℃ ~ -60℃		-50℃~-80℃	
捕水能力 Water-catching(kg)	12	25	40	60	120	250	350	700	1500	2000	3000
加热方式 Heating method	Electrical heating or silicon oil heating							steam heating			
材料 Material	SS304,polished and welded										
工作时间 Working time(h)	14-20						20-24				
工作功率 Working power	8	9.6	11.2	13.6	20	32	56	69.2	126.4	188.8	234.4
总功率 Total Power(kw)	10	12	14	17	25	40	70	84	158	236	93

注：部分参数设计时视不同物料有所调整，以设计为准。

应用 Applications

- ◇冻干水果: 苹果、梨、草莓、蓝莓、覆盆子、榴莲、香蕉、菠萝、木瓜、芒果、杨桃、番石榴、菠萝蜜、猕猴桃、柠檬等。

◇冻干蔬菜: 花椰菜、蘑菇、洋葱、青豆、豌豆、豇豆、甜瓜、胡萝卜、秋葵、地瓜、紫薯、藕片、青萝卜、花菜、黄瓜等。

◇冻干禽肉: 鸡、鸭、鹅、火鸡、鸡蛋、牛肉、羊肉、猪肉等。

◇冻干海鲜: 海参、鲍鱼、虾、小黄鱼、鳕鱼等。

◇冻干保健品: 益生菌、花粉、蜂王浆、蜂蜜、人参、鹿茸、冬虫夏草、何首乌等。

◇冻干饮品: 咖啡粉、水果粉饮品、鲜花、茶叶、牛奶粉、骆驼奶粉、植物蛋白粉等。

◇冻干宠物食品(猫粮&狗粮)：鸡肉条、鸡肝、鸡小胸、牛肉、薯条、三文鱼,红虫饲料等

◇冻干即食食品：婴儿食品、旅游食品、航天食品等

◇冻干调味料：葱、姜、蒜、汤料、果酱等。

- ◇ Freeze dried fruits: Apples, pears, strawberry, blueberry, raspberry, durian,banana, pineapple, papaya, mango, starfruit, guava, Jackfruit, kiwifruit, lemon.etc.

◇ Freeze dried vegetables: Broccoli, mushrooms, onions, green beans, peas, cowpeas, melons, carrots, okra, sweet potatoes, purple potatoes, lotus root slices, green radish, cauliflower, cucumber, etc.

◇ Freeze dried poultry meat: Chicken, duck, goose, turkey, eggs, beef, mutton, Pork etc. and Aquatic products(Fish, shrimp, abalone,seaweed etc.).

◇ Freeze dried seafood: Sea cucumber, abalone, shrimp, small yellow croaker, cod etc.

◇ Freeze-dried health products: Probiotics, pollen, Royal jelly, honey, ginseng, antler, Cordyceps sinensis, Polygonum multiflorum,etc.

◇ Freeze dried beverages: Coffee powder, fruit powder, flowers, tea, milk powder, camel milk powder, plant protein powder,etc.

◇ Freeze dried pet food(cats & dogs): Chicken Chips, Chicken Liver, Chicken Breast, Beef, French Fries, Salmon, red worm for fish feed etc.

◇ Freeze dried ready-to-eat food: Baby food, tourist food, aerospace food etc.

◇ Freeze dried seasonings: Onion, ginger, garlic, soup, jam, etc.

冻干水果 Freeze dried fruits



冻干蔬菜 Freeze dried vegetables



冻干海鲜 Freeze dried seafood



冻干保健品 Freeze dried healthy products



冻干饮品 Freeze dried beverage



冻干宠物食品 Freeze dried pet food



冷库 Cold Storage Room

利用降温设施创造适宜的湿度和低温条件,让固定的空间达到规定的温度,用来加工、贮存产品的仓库。能摆脱气候的影响,延长各种产品的贮存期限,以调节市场供应。冷库可广泛应用于食品厂、乳品厂、制药厂、果蔬仓库、禽蛋仓库、宾馆、酒店、超市、医院、血站、部队、试验室等。冷库主要用作对食品、乳制品、肉类、水产、禽类、果蔬、冷饮、花卉、绿植、茶叶、药品、化工原料、电子仪表仪器等的恒温贮藏。

Cold storage room, using cooling facilities to create appropriate humidity and low temperature conditions, so a fixed space can reach the specified temperature, used for processing and storage of products. It can get rid of the influence of climate and prolong the storage period of various products in order to regulate the market supply. cold storage can be widely used in food factories, dairy factories, pharmaceutical factories, fruit and vegetable warehouses, egg warehouses, hotels, supermarkets, hospitals, blood stations, troops, laboratories, etc. Cold storage is mainly used for constant temperature storage of food, dairy products, meat, aquatic products, poultry, fruits and vegetables, cold drinks, flowers, green plants, tea, medicines, chemical raw materials, electronic instruments, etc.



冷库板 Cold Storage Plate

◇冷库板以良好隔热性能的轻质聚氨酯为内芯材料,外面由彩钢板、不锈钢板构成的夹板式库板可以降低由于室内外温差而产生的传热,以达到冷冻、冷藏系统的最大效率。

◇冷库板原度规格:75、100~120、150、200mm。

◇The inner core material of cold storage plate is light polyurethane with good thermal insulation. The splint type warehouse plate composed of color steel plate and stainless steel plate outside can reduce the heat transfer caused by the temperature difference between indoor and outdoor, so as to achieve the maximum efficiency of the freezing and cooling system.

◇The original specifications of cold storage plates are 75, 100~120, 150 and 200 mm.



冷库门 Cold Storage Door

冷库门按照门洞的大小可分为:小型、中型、大型三种,按开启方式可分为手动开启和电动开启两种系列,其中手动开启的门可分为平移门和推拉门两种,为了降低能耗,库门上还可带小门方便从小门窗里视和传递较小体积的货物。

Cold storage doors can be divided into three types by door size: small, medium and large. also can be divided into manual opening and electric opening by opening mode. manual opening doors can be divided into translation door and push-pull door. In order to reduce energy consumption, small doors can also be made on the door to facilitate the viewing and transmission of small volume goods from small doors and windows.



概述 Descriptions

生物制药冻干机主要专门用来冷冻干燥各种药品,包括西药和中药两部分。西药冻干已经广泛应用于许多大型的制药厂，尤其在西林瓶针剂方面，冻干工艺采用的越来越多，提高了药品质量和贮存期限。

Biopharmaceutical freeze-dryer is mainly used for freeze-drying of various medicines, including western medicine and traditional Chinese medicine. Western medicine freeze-drying technology and equipment has been developed widely in many large pharmaceutical factories. Especially in the field of vials injection, freeze-drying technology has been used more and more, which improves the quality and storage period of medicines.



特点 Features

- ◇触摸屏液晶显示，曲线和数据显示干燥过程，PID智能调节，可根据数据变化进行分析。
- ◇复叠制冷技术，较少冷冻干燥时间，进口品牌保障，减小噪音、大制冷量、大捕水能力。
- ◇内设观察窗，干燥过程直观。采用原位预冻，实现了从真空到干燥的自动化。操作简单。
- ◇可选配温度记录仪。可调温度记录点，实时监控，不怕遗忘，为您积累经验增加保障。
- ◇冷冻内部304不锈钢，防腐蚀易清洁，经久耐用。
- ◇硅油冷冻介质，误差≤1℃，干燥效果均匀。
- ◇配置充气阀，可充干燥惰性气体；
- ◇可选配共晶点测试装置，可选配自动压塞装置；
- ◇方形搁板不易变形，易于操作，便于清洗。
- ◇干燥室采用高透光无色透明有机玻璃门，在操作过程中能清晰观察物料的变化过程。

- ◇Touch screen LCD display, curve and data display drying process, PID intelligent adjustment, can be analyzed according to data changes.
- ◇Cascade refrigeration technology, less freeze-drying time, imported brand protection, reduce noise, large refrigeration capacity, large water catching capacity.
- ◇Inside the observation window, the drying process is intuitive. With in-situ pre-freezing, the automation from vacuum to drying is realized, and the operation is simple.
- ◇Optional temperature recorder. Adjustable temperature recording point, real-time monitoring, not afraid of forgetting, for you to accumulate experience to increase protection.
- ◇Refrigerated interior 304 stainless steel, corrosion-resistant and easy to clean, durable.
- ◇Silicone oil refrigeration medium, error < 1 C, drying effect is uniform.
- ◇It is equipped with an inflatable valve to fill dry inert gas.
- ◇Eutectic point testing device and automatic plugging device are optional.
- ◇Square shelf is not easy to deform, easy to operate and easy to clean.
- ◇The drying chamber adopts high transparency, colourless and transparent plexiglass door, which can clearly observe the change process of materials during operation.

应用 Applications

- ◇生物制品：如各种冻干疫苗和酶。
- ◇西药生产：如各种注射剂（抗生素、中枢神经系统、维生素、肿瘤药物等）
- ◇中药产品：如冻干中成药粉末、片剂、注射剂等。
- ◇器官保存：冻干的血液、动脉、骨骼、皮肤、角膜和神经组织
- ◇Biological products: such as varies of freeze-dried Vaccines and Enzymes.
- ◇Western medicine production: Such as Various injections(Antibiotics, Central Nervous System, Vitamins and Tumor Drugs etc.)
- ◇Traditional Chinese Medicine Products: Such as Powder, tablet and injection of Freeze-dried Chinese patent medicine
- ◇Organ preservation: freeze dried Blood, arteries, bones, skin, cornea and nerve tissue



技术参数 Technical parameters

型号Model		SPD-0.5	SPD-1	SPD-2	SPD-3	SPD-5	SPD-7	SPD-10	SPD-15	SPD-20	SPD-25	SPD-30	SPD-35	SPD-40
干燥能力 Capacity(L)		8	16	30	60	105	140	220	290	400	480	590	590	1000
捕水能力(kg/batch) Condenser capacity		8	16	30	65	105	140	220	290	400	530	640	750	750
隔板面积(m2) Shelf area		0.5	1	2	3	5	7	10	15	20	25	30	35	40
有效板层面积(m2) freeze-dry shelf area		0.52	1.04	2.16	2.8	5.5	7.75	10.33	14.76	20.31	24.38	29.7	36	40.5
板层尺寸(mm) Shelf size(L*W)		480*360	480*360	800*450	915*615	1215*915	1215*915	1215*915	1215*1215	1520*1215	1520*1215	1520*1515	1830*1515	1830*1515
板层数shelf No		3+1	6+1	6+1	5+1	5+1	7+1	9+1	10+1	11+1	13+	13+1	13+1	15+1
西林瓶数量 Vials QTY	Φ16	1914	3828	7656	13300	24800	34800	46400	66400	92800	109700	133600	153600	182200
	Φ22	1008	2016	4032	6800	12700	17800	23700	33900	47400	56000	68300	70500	93000
版层间距(mm) Shelf distance		70				100								
隔板温度范围(°C) Shelf temp.		-50°C~-+80°C				-55°C~-+70°C								
极限真空(pa) Ultimate vacuum		≤5	≤5	≤5	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
安装尺寸(m) Install size		1*0.9*1.7	1.1*1.3*1.8	1.5*1.8*1.9	3.7*1.8*3	4.3*2.3*3.7	5*2.6*3	6.8*2*3.8	6.8*2*4.2	7.5*2*4.2	7.2*3*4.2	7.6*3*4.2	7.6*3.2*4.5	9.6*2.3*4.7
重量weight(kg)		350	500	1200	5600	11000	12000	15000	21200	23800	28000	31000	34000	36000
功率Power(kw)		4.5	8	15	30	43	55	72	103	141	151	182	212	222

注：部分参数设计时视不同物料有所调整，以设计为准。

► 概述 Descriptions

喷雾干燥是液体工艺成形和干燥工业中应用最广泛的工艺。最适用于从溶液、乳液、悬浮液和糊状液体原料中生成粉状、颗粒状固体产品。因此，当成品的颗粒大小分布、残留水份含量、堆积密度和颗粒形状必须符合精确的标准时，喷雾干燥是一道十分理想的工艺。

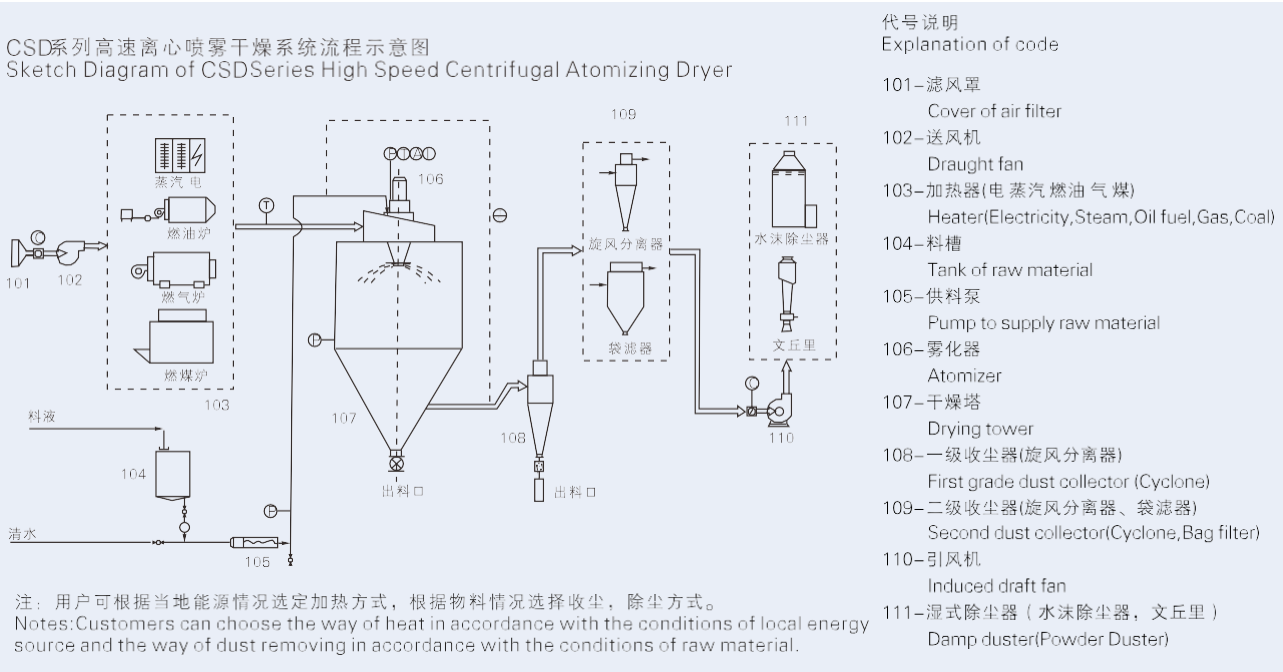
Spray drying is the technology most widely used in the liquid technology shaping and in the drying industry.The drying technology is most suitable for producing solid powder or particle products from liquid materials,such as: solution, emulsion, suspension and pumpable paste states,For this reason,when the particle size and distribution of the final products, residual water contents, mass density and the particle shape must meet the precise standard, spray drying is one of the most desired technologies.

► 原理 Principle

空气经过过滤和加热，进入干燥器顶部空气分配器，热空气呈螺旋状均匀地进入干燥室。料液经塔体顶部的高速离心雾化器，（旋转）喷雾成极细微的雾状液珠，与热空气并流接触，在极短的时间内可干燥为成品。成品连续地由干燥塔底部和旋风分离器中输出，废气由风机排空。

After the air been filtered and heated the air enters into the air distributor on the top of the dryer.The hot air enters into the drying room in the spiral form and uniformly. Passing through the high-speed centrifugal sprayer on the top of the tower,the material liquid will rotate and be sprayed into the extremely fine mist liquid beads.Through the very short time of contacting the heat air,the materials can be dried into the final products.The final products will be discharged continuously from the bottom of the drying tower and from the cyclones. The waste gas will be discharged from blower.

► 工艺流程 Technological proccess



► 特点 Features

◇ 干燥速度快，料液经雾化后，表面积大大增加，在热风气流中，瞬间就可蒸发95%–98%的水份，完成干燥时间仅需数秒钟，特别适用于热敏性物料的干燥。

◇ 产品具有良好的均匀度、流动性和溶解性、产品纯度高、质量好。

◇ 生产过程简化，操作控制方便。对于湿含量40–60%(特殊物料可达90%)的液体能一次干燥成粉粒产品，干燥后不需粉碎和筛选，减少生产工序，提高产品纯度。对产品粒径、松密度、水份，在一定范围内可通过改变操作条件进行调整，控制和管理都很方便。

◇ The drying speed is high when the material liquid is atomized,the surface area of the material will increase greatly.In the hot-air flow,95%–98% of water can be evaporated at a moment.The time of completing the drying is only several seconds. This is especially suitable for drying the heat sensitive materials.

◇ Its final products own the good uniformity, flow ability & solubility. And the final products are high in purity and good in quality.

◇ The production procedures are simple and the operation and control are easy.The liquid with moisture contents of 40–60%(for special materials,the contents might be up to 90%).can be dried into the powder or particle products once a time. After the drying process, there is no need for smashing and sorting,so as to reduce the operation procedures in the production and to enhance the product purity.The product particle diameters,looseness and water contents can be adjusted through changing the operation condition within a certain range. It is very convenient to carry out control and managment.



► 技术参数 Technical parameters

型号spec		CSD					
项目 item	参数parameter						
		25	50	100	150	200-2000	
入口温度 inlet temperature℃		140-350 自控 automatically controlled					
出口温度 outlet temperature℃		~80-90					
水份最大蒸发量kg/h Max.water evaporation capacity		5	25	50	100	150	200-2000
		压缩空气传动 compressed air transmission	机械传动 mechanical transmission				
转速(r.p.m) rotation speed		25000	18000	18000	18000	15000	8000-15000
喷雾盘直径(mm) spraying desc diameter		50	100	120	140	150	180-340
热源 heat supply		电Electricity	电+蒸汽 electricity+steam	电+蒸汽、燃油、煤气 electricity+steam, fuel oil and gas			由用户自己解决 settled by users themselves
电加热最大功率kW Max electric heating power			36	63	81	99	
长度×宽度×高度 (m) overall dimensions		1.8×0.93×2.2	3×2.7×4.26	3.7×3.2×5.1	4.6×4.2×6	5.5×4.5×7	根据具体情况确定 depends on the concrete conditions
干粉回收率% dried powder collecting		≥95	≥95	≥95	≥95	≥95	≥95

注：部分参数设计时视不同物料有所调整，以设计为准。

概述 Descriptions

压力式喷雾干燥造粒机是采用压力式雾化器借助隔膜泵的压力将溶液或浆状的物料雾化成细微液滴，使表面积显著增大，经与热风进行充分热交换得以快速干燥(十几秒至几十秒)，从而得到粉体或细小颗粒产品的设备。

The liquid or paste raw material is spraied into minuty liquid drop by pressed spraier draw assistance from pressure of diaphragm pump, and quickly drying through short heat exchange.(10sec.) at last, the powder or small granule is obtained.

特点 Features

- 干燥速度快，特别适用于热敏性物料；
- 所得产品为球状颗粒，粒度均匀，流动性、溶解性好，产品纯度高，质量好；
- 使用范围广，可进行热风干燥、造粒、也可以进行冷却造粒、喷雾结晶、喷雾反应等。
- 可配备细粉回送，再湿附聚系统，满足用户对物料粒径的要求。
- 操作简单稳定，控制方便，容易实现自动化作业，产品粒径、松密度、水份在一定范围内可以调节。
- The dry speed is fast and suitable for drying thermal sensitivity material particularly.
- The finished product is ball granule with uniform size. Its fluidity and solubility are good. The purity of product is high and its quaity is good.
- It applied scope is wide. According to the characteristics of raw material, it can use hot air to dry and can also use cool air to granulate. It has strong adaptability to raw materials.
- Its operation is simple and stable and its control is simple and convenient and is easy to realize automatic operation.
- The product particle diameters, looseness and water contents can be adjusted through changing the operation condition within a certain range.

技术参数 Technical parameters

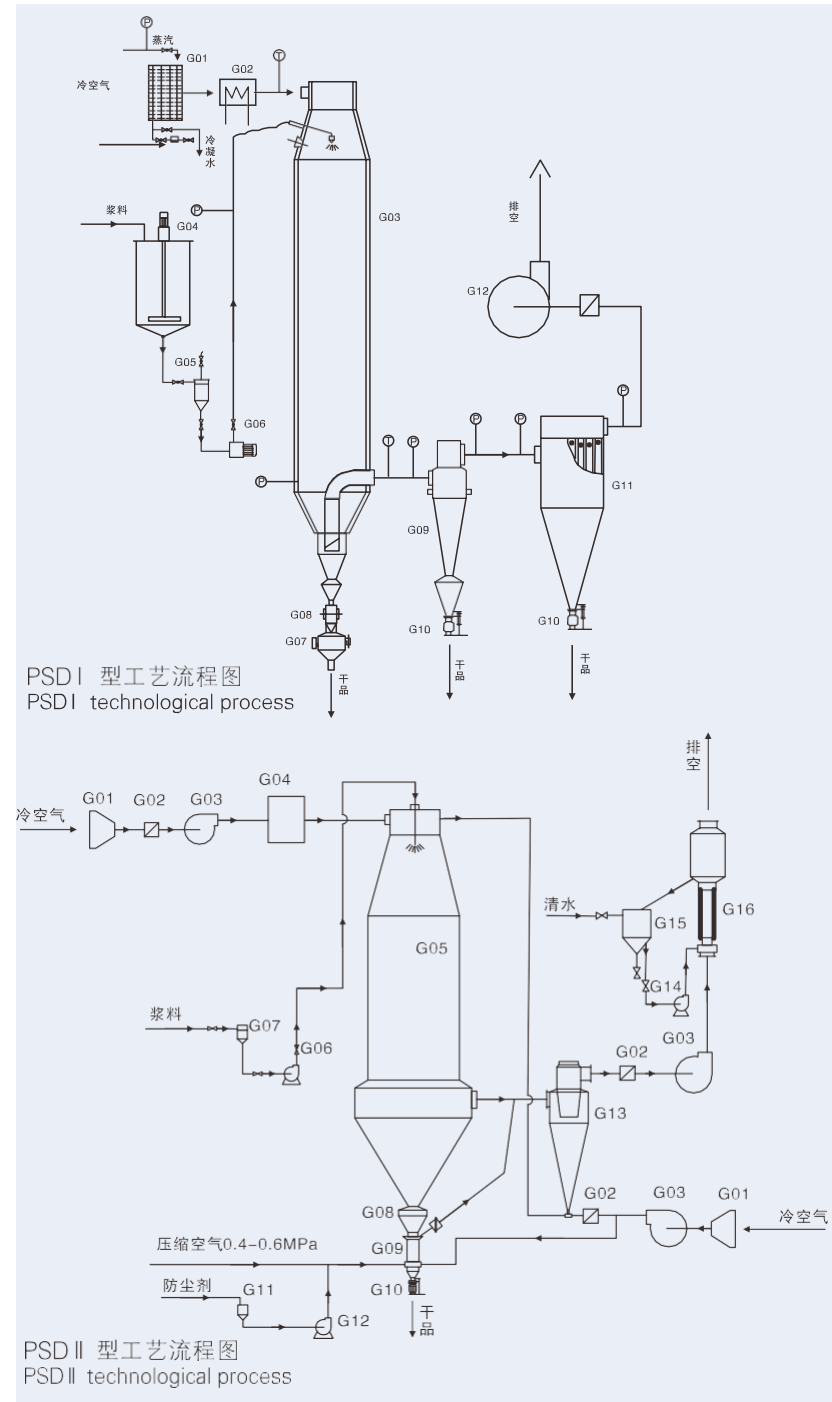
型号 spec	单位unit	50	100	150	200	300	500	1000
水份蒸发量water evaporation capacity	Kg/h	50	100	150	200	300	500	1000
外形尺寸 overall dimension (Φ×H)	mm	1600×8900	2000×11500	2400×13500	2800×14800	3200×15400	3800×18800	4600×22500
高压泵压力 high-pressure pump pressure	Mpa	2-10						
功率 power	kW	8.5	14	22	24	30	82	30
进风温度 inlet air temperature	℃	300-350						
产品含水量 product water contents	%	< 5(可达0.5) less than 5 percent, and 5 percent can be achieved.						
物料回收 material restoration	%	> 97						

注：部分参数设计时视不同物料有所调整，以设计为准。

应用 Applications

食品、医药、化工、染化、陶瓷、生化、农药、塑料等适用具有相应流动性的液体。
It is suitable for liquid of foodstuff, pharmaceutical, chemical industry, dyestuff, ceramics, agrochemicals, plastic and so on.

工艺流程 Technological process





► 概述 Descriptions

中药浸膏专用喷雾干燥机是吸收国外技术开发的适用于熔点低、含糖高的中药产品的干燥机械，并具有不粘壁、物料不焦化、不易吸潮等特点。该装置根据干燥产品的特点和性质确定喷雾干燥的工艺条件，自动化程度高，操作方便，符合GMP要求，该装置的成功开发，解决了多年来许多熔点低、含糖高的中药产品不能用喷雾干燥的技术难点，也是对喷雾干燥在中药制药中的应用技术研究的新发展。

Traditional Chinese medicine medicinal extract special-purpose to spray desiccator to absorb to suitable for point low, high in candy content traditional Chinese medicine dry machinery of product foreign technological development, is it glue wall, supplies coking, difficult to inhale such characteristics as the tide, etc. to have. This device confirms and sprays the dry process conditions according to characteristic and nature of the dry products, the automatic degree is high, easy to operate, accord with GMP demand, the success development of this device, solving low traditional Chinese medicine products high in candy content of wanting a lot of to melt in year more can't use and spray the dry technological difficult point, it is a new development of dry application technical research in traditional Chinese medicine pharmacy to spraying too.

► 特点 Features

- ◇塔体具有冷风夹套；
- ◇塔体上装有自动振打装置；
- ◇塔体、管路配有快开清洗孔及排污孔；
- ◇自动控制恒温加料罐；
- ◇手工高压洗塔随机附件；
- ◇与物料接触的部分采用不锈钢材料制作；（或全不锈钢制造）
- ◇物料收集采用两级旋风除尘装置，或一级旋风除尘器 and 湿式除尘器；
- ◇进风温度实现自动控制及连续装置。
- ◇配有气扫装置。

- ◇Tower body has jacket of air.
- ◇Tower body is equipped with automatic vibration and beating device;
- ◇Tower body and pipe line have cleaning hole and sewage discharge hole that can open quickly.
- ◇Thermostar ending tank;
- ◇Accompanied parts of high pressure washing tower;
- ◇The parts that can contact with raw material are made of stainless steel fully;
- ◇The collecting fo raw material adapts two gradecyclone duster or one-grade cyclone duster and one-grade damp duster ;
- ◇The temperature of inlet air can be controlled automatically and continuously;
- ◇Equipped with air sweeping device.



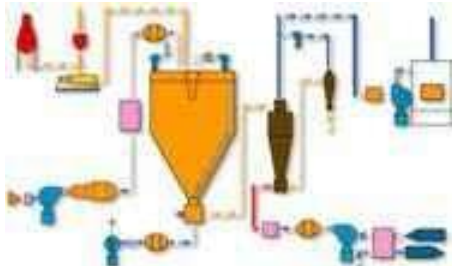
扫壁系统
Sweeping system



控制系统
Control System



冷冻除湿冷却系统
Desiccant cooling system freezing



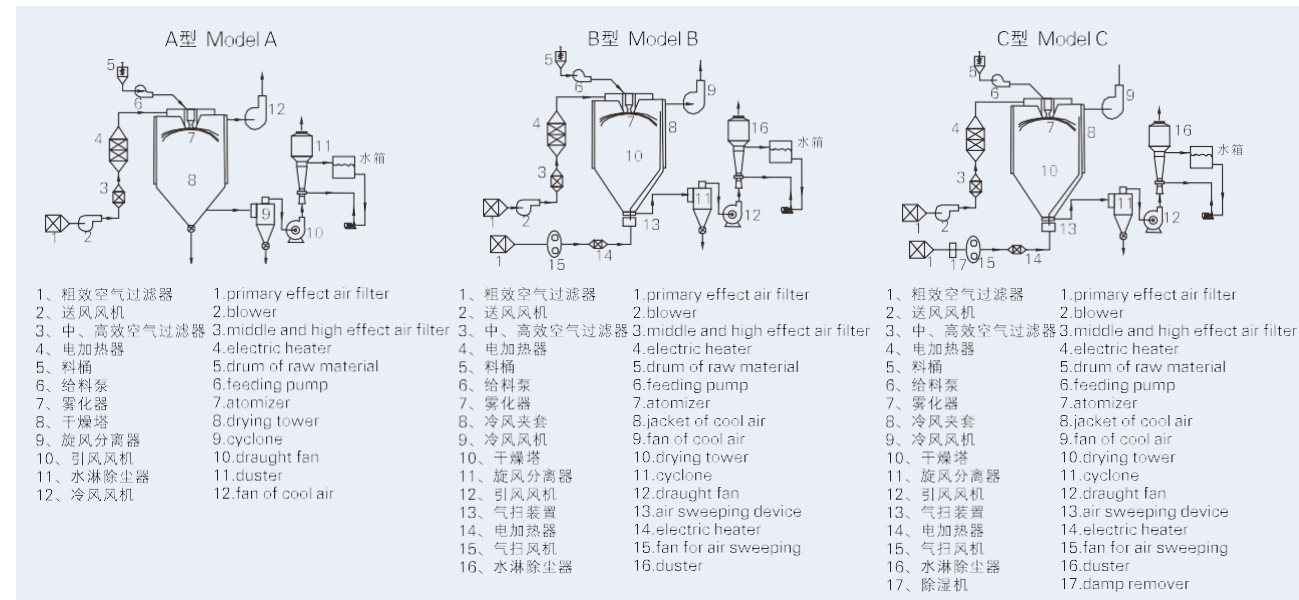
系统流程图
System flow chart

► 原理 Principle

中药浸膏高速离心式喷雾装置是离心式喷雾干燥技术在特定物料干燥中的应用，也是利用高速离心式雾化器使物料分散成细，与热空气充分接触，完成瞬间干燥，形成粉状成品的干燥装置。该干燥设备是专门用来解决中药浸膏和植物提取液的喷雾干燥机，它有效地解决了原LPG高速喷雾干燥机在中药浸膏干燥中出现的粘壁、焦化、收粉率低、产量低等问题。

Application in dry technology is dry in the specific supplies that the device sprays centrifugally that the medicinal extract high speed of traditional Chinese medicine sprays centrifugally, utilize the centrifugal atomizer of high speed to make the supplies dispersed thinly, fully keep in touch with the hot air too, it is dry to finish the twinkling of an eye, form the dry device of the powdery finished product. Dry equipment this is it solve traditional Chinese medicine medicinal extract and plant spraying desiccator to draw liquid to used for specially, it solve original LPG spray whom desiccator appear until traditional Chinese medicine medicinal extract dry glue wall, coking, charge powder rate low, output low grade problem at a high speed effectively.

► 结构示意图 Sketch of structure



► 技术参数 Technical parameters

型号spec	CMSD-5	CMSD-10	CMSD-25	CMSD-50	CMSD-80	CMSD-100	CMSD-150	CMSD-200	CMSD-300
水份蒸发量 evaporation capacity(kg/h)		10	25	50	80	100	150	200	300
料液处理量 process amount of material liquid(kg/h)	6-7	12-14	25-34	50-68	80-108	100-135	150-203	200-270	300-406
成品含量 output of finished product(kg/h)	-2	2-4	4.8-7.2	9.2-14	14.8-22.4	18.4-28	24-42	36.8-56.4	55-85
湿物料含固量 solid content of material liquid(%)	18-25								
成品含水率 moisture content of finished product(%)	3-5								
电功率 electric power(kw)	36	45	63	99	132	153	204	246	330
加热源 heat source	蒸汽加电 Steam plus electricity								
产品捕集方式及效率 collecting method of product and its efficiency	两级旋风除尘器或一级旋风除尘器及一级湿式除尘器≥95% Two-grade cyclone or one-grade cyclone and one-grade web-method dedusted of 95%								
自控仪表 automatic control meters and instruments	热风温度及排风温度指标，自动调节温控仪 indicator of temperature of air and humidity of air exhaust								
进风温度 temperature of air inlet(℃)	150-200								
出风温度 temperature of air outlet(℃)	80-100								
外形尺寸 overal diimensions(mm)	长L	5000	5500	7000	8000	9800	11000	12200	14100
	宽W	3000	3500	4000	5000	5700	6200	7000	7800
	高H	4500	4600	5200	6500	7600	8100	10000	9850

应用 Applications



- ◇医药、食品、化工等行业进行以下物料干燥。
- ◇适用于浆状、膏糊状、粉状物料。
- ◇要求低温干燥的热敏性物料。
- ◇易氧化、易爆、强刺激、剧毒物料。
- ◇要求回收有机溶剂的物料。
- ◇Such trades as the medicine , foo , chemical industr, etc. carry on the following supplies drily .
- ◇ Suitable for thick liquid form, the pastel of the lotion, powdery supplies.
- ◇ Temperature sensing supplies requiring the low temperature to be dry.
- ◇ Explosive, strong stimulating , drama poisonous substance material easy to oxidize.
- ◇ Demand to retrieve the supplies of the organic solvent.

原理 Principle



- ◇本干燥设备是在引进吸收国内耙式干燥技术的基础上改进的一种新颖卧式间歇式真空干燥设备，湿物料经传导蒸发,带有刮板搅拌器不断清除热面上的物料，并在容器内推移形成循环流，水份蒸发后由真空泵抽出。
- ◇本公司是国内耙式干燥机最专业的生产厂家。
- ◇It is an innovation horizontal batch–type vacuum drier improved on the basis of introduced technology of other harrow driers. The moister of wet material will be evaporated by heat transmission. The stirrer with squeegees will remove material on hot surface and move in the container to form cycle flow. The evaporated moisture will be pumped by vacuum pump.
- ◇Our company is specialized in producing Harrow Dryer.

技术参数 Technical parameters

项 目Item										
名称Name										
工作容积 Working volume	L	300	450	600	900	1200	1800	2400	3000	3600
			4.4							
搅拌转速Stirring revolution	r/min	8 ~ 18								
							11			
夹层设计压力Design pressure of jacket	MPa	0.3								
		-0.096 ~ 0.15								

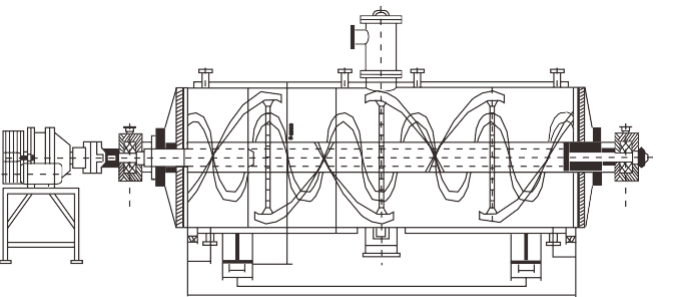
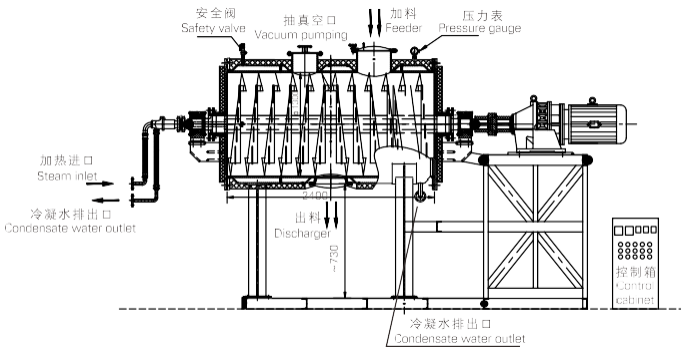
注：水份蒸发量与物料的特性及热风进、出口温度有关。随着产品不断更新，有关参数变更，恕不预先通知。
Notes:the evaporated amount of water its related to the characteristics of raw materials and the temperature of air in and air out. With renew products unceasingly, the related parameters will be exchanged, it does not announce in advance, pardon !

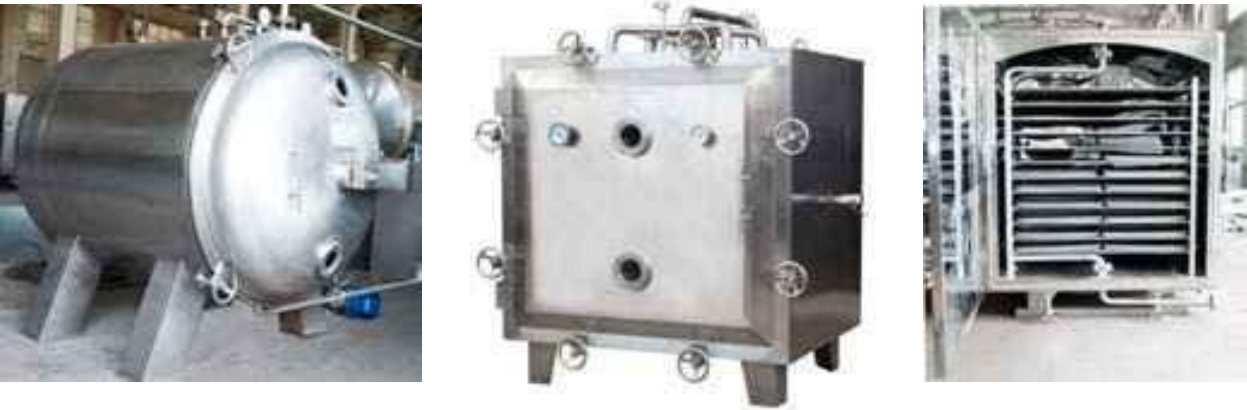
特点 Features

- ◇ 本机采用大面积夹层加热方式，传热面大，热效率高。
- ◇ 本机设置搅拌，使物料在筒内形成连续循环状态，进一步提高了物料受热的均匀度。
- ◇ 本机设置搅拌，从而可顺利进行浆状、膏状、糊状物料干燥。
- ◇ 特殊出料口设计，使出料口更加密封和不容易积料，并且出料更方便。
- ◇ 密封分机封和填料密封两种，特殊的设计保证了密封性和使用寿命。
- ◇ 轴、耙叶的特殊加工，大大保证了轴的强度和同心度。
- ◇ 可根据用户要求在轴内通介质和增加振击装置。
- ◇ 根据不同的物料配置不同的过滤形式。
- ◇ 5m³ 以上耙干机夹套采用半管式夹套。

- ◇ This machine adopts large interlayer heating mode, the heat transfer surface is big, high thermal efficiency.
- ◇ The machine set, stir within the cylinder form a continuous loop of material status, further improving the heating uniformity of the material.
- ◇ Stir the machine Settings, and thus can be smoothly paste, paste, paste material drying.
- ◇ Special discharging mouth design, use and not easy to plot the more seal material, and discharging more convenient.
- ◇ Sealing machine seals and packing seal, special design to ensure the tightness and service life.
- ◇ Shaft, rake leaves special processing, greatly ensures the strength of the shaft and concentricity.
- ◇ According to user requirements in the shaft through media and increases vibration device.
- ◇ Depending on the different forms of filtering materials.
- ◇ The m3 jacketed rake dry machine USES half pipe jacketed.

结构示意图 Sketch of structure





► 原理 Principle

所谓真空干燥，就是将干燥物料处在真空条件下，进行加热干燥，如果利用真空泵进行抽气抽湿，则加快了干燥速率。
注：如采用冷凝器，物料中的溶剂可通过冷凝器加以回收；如采用SK系列水环 真空泵，可不用冷凝器，节省能源投资。

It is well known that vacuum drying is to put raw material under the state of vacuum for heating and drying. If use vacuum to pump air and humidity out, the dry speed will be faster.

Note: if use condenser, the solvent in raw material can be recovered. If the solvent is water, condenser might be canceled and the investment and every could be saved.

► 应用 Applications

适用于在高温下易分解，聚合和变质的热敏性物料的低温干燥；被广泛地采用在制药、化工、食品、电子等行业。

It is suitable for drying heat sensitive raw materials that can decompose or polymerize or deteriorate at high temperature. It is widely used in pharmaceutical, chemical, foodstuff and electronic industries.

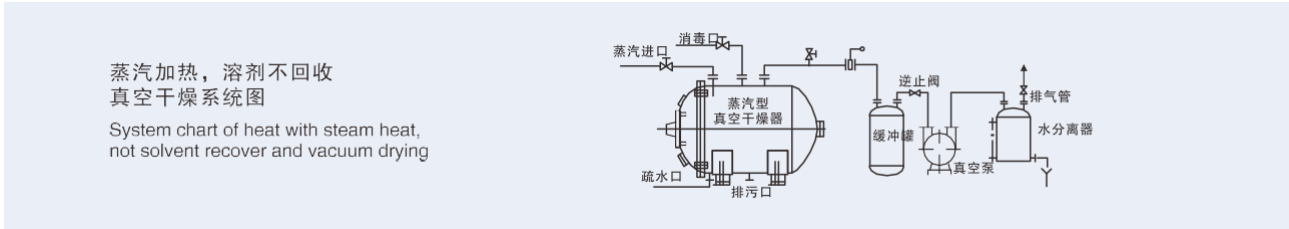
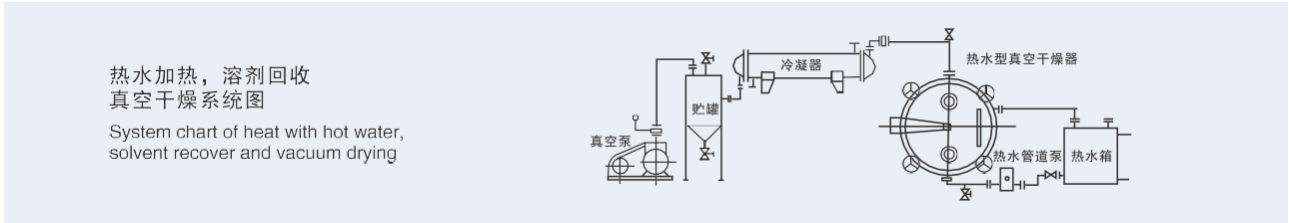
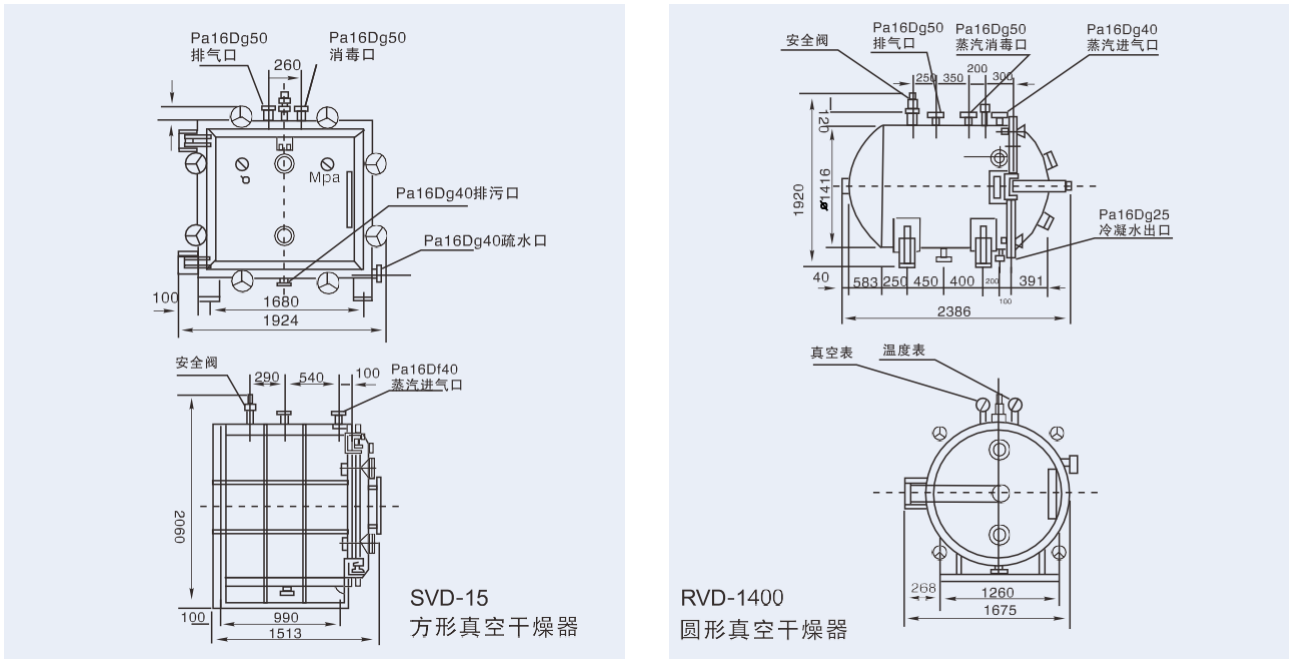
► 技术参数 Technical parameters

名称 name	规格 specification				
箱内尺寸 inside size of chamber	Φ600×976	Φ800×1274	Φ1000×1572	Φ1400×2054	1500×1220×1400
			1740×1226×1358	2386×1657×1800	
烘架层数 layers of baking shelf	4	4	6	8	8
					122
烘盘尺寸 size of baking disk	310×600×45	460×640×45	460×640×45	460×640×45	460×640×45
			12		
烘架管内允压 permitted pressure inside the pipe of baking shelf (Mpa)	≤0.784	≤0.784	≤0.784	≤0.784	≤0.784
	30-150	30-150	30-150	30-150	30-150
箱内空载真空度 vacuum level inside chamber with out load (Mpa)	-0.1				
	7.2				
不用冷凝器时，真空泵型号、功率 type and power of vacuum pump without condensate, (kw)	2X-15A 2KW	2X-30A 3KW	2X-30A 3KW	2X-70A 5.5kW	2X-70A 5.5kW
	SZ-0.5 1.5KW	SZ-1 2.2KW	SZ-1 2.2KW	SZ-2 4KW	SZ-2 4KW
干燥箱重量 weight of drying chamber (kg)	250	600	800	1400	2100

上述数据，仅供参考，如有特殊要求，本厂提供设计，咨询服务。
The above mentioned data is for reference only. If having special requirements, the factory can provide the service of consultation and design.

► 特点 Features

- ◇ 真空下物料溶液的沸点降低，使蒸发器的传热推动力增大，因此对一定的传热量可以节省蒸发器的传热面积。
- ◇ 蒸发操作的热源可采用低压蒸汽或废热蒸汽。
- ◇ 蒸发器热损失少。
- ◇ 在干燥前可进行消毒处理，干燥过程中无任何不纯物混入，符合GMP要求。
- ◇ 属于静态真空干燥器，故干燥物料的形体不会损坏。
- ◇ Under the condition of vacuum, the boiling point of raw material will decrease and make the evaporation efficiency higher. Therefore for a certain amount of heat transfer, the conducting area of dryer can be saved.
- ◇ The heat source for evaporation may be low pressure steam or surplus heat steam.
- ◇ The heat loss is less.
- ◇ Before drying, the treatment of disinfection may be carried out. During the period of drying, there is no impurity material mixed. It is in conformity with the requirement of GMP.
- ◇ It belongs to static dryer. So the shape of raw material to be dried should not be destroyed.



低温、快速、洁净

Low temperature,Rapid and Clean Vacuum Drier



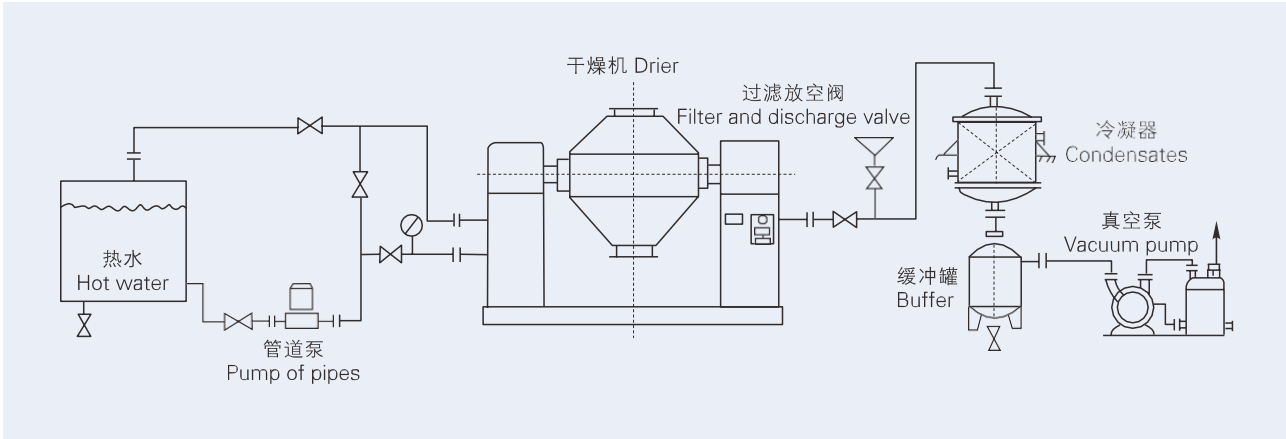
原理 Principle

- ◇在密闭的夹层中通入热能源(如热水、低压、蒸汽或导热油), 热量经内壳传给被干燥物料。
- ◇在动力驱动下, 罐体作缓慢旋转, 罐内物料不断地混合, 从而达到强化干燥的目的。
- ◇物料处于真空状态, 蒸汽压下降使物料表面的水份(溶剂)达到饱和状态而蒸发了, 并由真空泵及时排出回收。物料内部的水份(溶剂)不断的向表面渗透、蒸发、排出, 三个过程不断进行, 物料在很短时间内达到干燥目的。

工艺流程 Technological process

推荐的工艺安置示范: 溶剂回收工艺安置

example of recommended installation:installation of solvent recover.



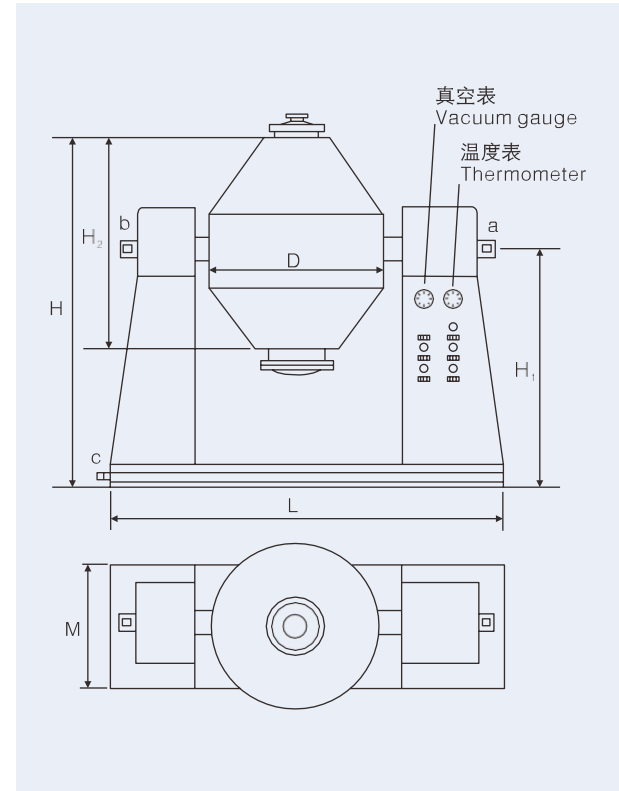
应用 Applications

适用化工、制药、食品等行业的粉状、粒状及纤维状物料的浓缩、混合、干燥及需低温干燥的物料(如生化制品等), 更适用于易氧化、易挥发、热敏性、强烈刺激、有毒性物料和不允许破坏结晶体的物料的干燥。

It is suitable for the raw materials that need to concentrate, mixed and dried at low temperature (for example, biochemistry) products in chemical, pharmaceutical and foodstuff industries. Particularly it is suitable for the raw materials that are easy to be oxidized, volatilized and have heat sensitivity and is toxic and not permitted to destroy its crystal in drying process.

特点 Features

- ◇油加热时, 采用自动恒温控制, 可以干燥生化制品和矿物原料, 温度可在20~160℃之间。
- ◇热效率高, 比一般烘箱提高2倍以上。
- ◇间接加热, 物料不会被污染, 符合"GMP" 要求。设备维修操作简便, 易清洗。
- ◇ When oil is used to heat, use automatic constant temperature control. It can be used for drying biology products and mine. Its temperature of operation can be adjusted form 20~160 ℃ .
- ◇ Compared to ordinal dryer, its heat efficiency will be 2 times higher.
- ◇ The heat is indirect. So the raw material can not be polluted. It is in conformity with the requirement of GMP. It is easy in washing and maintenance.

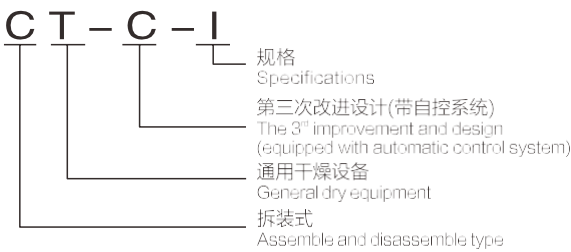


技术参数 Technical parameters

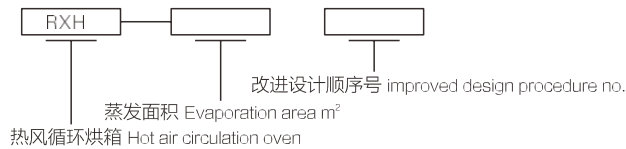
型号 Model	CVD-0.1	CVD-0.2	CVD-0.3	CVD-0.5	CVD-0.8	CVD-1	CVD-1.5	CVD-2	CVD-2.5	CVD-3	CVD-4.0	CVD-4.5	CVD-5.0
容积(升)Volume(L)	100L	200L	300L	500L	800L	1000L	1500L	2000L	2500L	3000L	4000L	4500L	5000L
H	1640	1890	2000	2360	2500	2500	2600	2700	2850	3200	3850	3910	4225
H ₂	785	930	1126	1280	1543	1700	1750	1800	1870	2590	2430	2510	2580
M	640	700	800	1000	1000	1150	1200	1200	1200	1500	2200	2350	2500
装料系数 Material feed weight													
最大装料量(kg) Max material feed weight	50	80	120	200	300	400	600	800	1000	1200	1600	1800	2000
接口 Interface													
a(真空) c(冷凝水)	G3/4"	G3/4"	G3/4"	G3/4"	G3/4"	G1"	G1"	G1"	G1"	G1"	G1/2"	G1/2"	G1/2"
电机功率(kw) Motor Power													
总重量(kg) Total weight	650	900	1200	1450	1700	2800	3300	3580	4250	5500	6800	7900	8800

备注: 装料系数根据物料确定。本说明内容仅供参考; 特殊要求, 另行约定。

原型号 Origina Model



国家行业标准型号(The standard type made by the industry of the State)



- 一、加热源有蒸汽、电、远红外、气电两用，供用户选择
- 二、使用温度：蒸汽加热50–130℃，最高140℃
- 三、用电、远红外温度50–300℃，可配套自控系统或电脑控制系统，供用户选择
- 四、常用蒸汽压力0.2–0.8mpa(2–8kg/cm2)
- 五、配用电加热按1型计算15kw，实用5–8kw/h
- 六、特殊要求在定货时表明
- 七、非标烘箱价格面议
- 八、使用温度大于140℃或小于60℃，要在定货时注明
- 九、本厂出厂的烘车，烘盘尺寸统一，可以互换
- 十、烘盘尺寸：460X640X45mm

► 概述 Descriptions

CT-C型系列热风循环烘箱配用低噪音耐高温轴流风机和自动控温系统，整个循环系统全封闭，使烘箱的热效率从传统的烘房3~7%提高到目前的35~45%，最高热效率可达50%。CT-C型热风循环烘箱的设计成功，使我国的热风循环烘箱达到了国内外先进水平。为我国节约了大量能源，提高了企业的经济效益。1990年由国家医药管理局发布了行业标准，统一型号为RXH。

► 应用 Applications

适用于制药、化工、食品、农副产品、水产品、轻工、重工等行业物料及产品的加热固化、干燥脱水。如原料药、生药、中药饮片、浸膏、粉剂、颗粒、冲剂、水丸、包装瓶、颜料染料、脱水蔬菜、瓜果干、香肠、塑料树脂、电器元件、烘漆等。

- 1.Options of heat source: steam, electricity, or far infrared, or both steam electricity.
- 2.Drying temperature: steam heating 50–130 ℃ , Max.140 ℃ .
- 3.Electricity and far infrared:50–300 ℃ .Automatic control system and computer control system on request.
- 4.Commonly used steam pressure 0.2–0.8Mpa(2–8 bar).
- 5.For CT–C–I, electric heated, rated power consumption:15Kw, real consumption : 5–8Kw.
- 6.The special requirements should be indicated at the time of order.
- 7.Please consult as for any special requirements.
- 8.For operation temperature of over 140 ℃ or less than 60 ℃ , please indicate when order.
- 9.The ovens and baking trays made by our factory are uniform in dimensions, and can be exchanged each other.
- 10.Baking plate dimensions:460*640*45mm

CT–C series hot air circulation drying oven uses a low noise and high temperature proof axial flow blower and an automatic temperature control system. The whole circulation system is the fully enclosed to make that the heat efficiency of the drying oven increases from 3~7% of the traditional drying oven to 35~45% of the present one. The highest heat efficiency can reach 50%. The successful design of CT–C hot air circulation drying oven makes that the hot air circulation drying oven in our country catch the advanced level both at home and abroad. In order to save a large quantity of the energy in out country, in order to enhance the economic results of the enterprises, in 1990, the medicine management bureau of the State issued the industry standard and the uniform type is RXH.

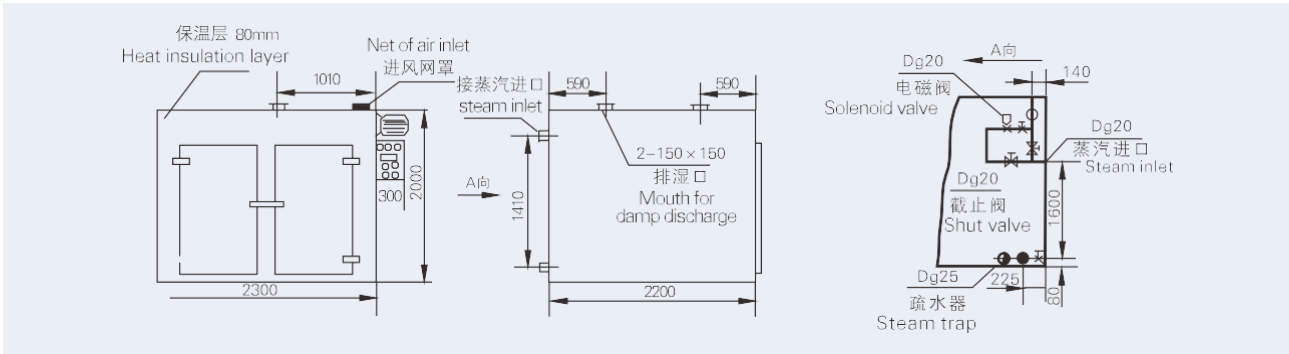
This drying oven is suitable for the material and product hot solidification and dry de–watering in the pharmaceutical, chemical, food, farming, side–product, aquatic product, light industries, heavy industries and others industries. Such as: raw material medicine, crude drug, prepared herbal medicine of Chinese traditional medicine, plaster, powder, particle, drinking agent, pill, packing bottle, pigment, dyestuff, de–watering vegetable, dried fruit piece, sausage, plastics, resin, electric component, baking varnish and etc.

► 特点 Features

大部分热风在箱内循环，热效率高，节约能源。利用强制通风作用，箱内设有可调式分风板，物料干燥均匀，热源可采用蒸汽、热水、电、远红外，选择广泛。整机噪音小，运转平衡。温度自控，安装维修方便。适用范围广，可干燥各种物料，是通用干燥设备。

Most hot air is circulated in the oven. The Heat efficiency is high and the energy is saved. By using the forced ventilation function, there are adjustable air distribution plates inside the oven. The materials can be dried uniformly. The heating source might be steam, hot water, electricity and far infrared. With a wide selection. The whole machine is low in the noise. The operation is in balance. The temperature is controlled automatically. The installation and maintenance are easy. The application is wide. The machine can be used for drying various materials and is a versatile drying equipment.

► 结构示意图 Sketch of structure



► 技术参数 Technical parameters

行业标准型号 spec. of industry standard	型号规格 specification	每次干燥量 batch drying capacity (kg)	配用功率 power (kW)	耗用蒸汽 steam to be consumed (kg/h)	散热面积 heat exchange area (m ²)	风量 velocity (m ³ /h)	上下温差 temperature different of the top and the bottom (℃)	配用烘盘 baking trays	外型尺寸 overall dimensions (L×W×H)mm	配套烘车 baking cart to be used (Set)(辆)
RXH–5–C	CT–C–O	25	5	5	5	3400	±2	8	1400x1200x1600	0
RXH–14–C	CT–C–IA	50	0.45	10	10	3400	±2	24	1400x1200x2000	
RXH–14–C	CT–C–I	100	0.45	18	20	3450	±2	48	2300x1200x2000	2
RXH–27–C	CT–C–II	200	0.9	36	40	6900	±2	96	2300x2200x2000	
RXH–41–C	CT–C–III	300	1.35	54	80	10350	±2	144	2300x3220x2000	6
RXH–54–C	CT–C–IV	400	1.8	72	100	13800	±2	192	4450x2200x2000	
RXH–25–A	高效高温远红外灭菌烘箱 功率按温度要求选配 High effect and high temperature for infrared sterilization oven The power will be equipped in accordance with the requirements of temperature.								1200x1000x1600	



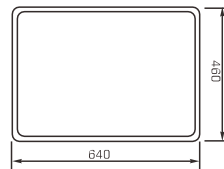
一次成型打孔盘
Once shaping punched plate



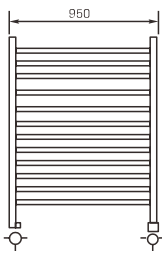
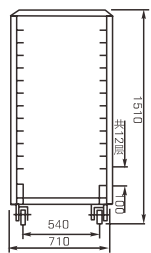
手工井字网盘
Manual ,ulti–square mesh plate



一次成型压制盘
Once shaping pressed plate



定型压制烘盘 材质：不锈钢、防锈铝合金
Shaped Pressed Bading–Plate
Material:stainless steel,rustproof aluminium alloy



轴流风机 Axial fan

定型烘车 材质：不锈钢、A3钢
Shaped Baking Cart
Material:stainless steel,A3 steel

► 原理 Principle

物料由加料器均匀地铺在网带上，网带一般采用12–60目不锈钢丝网，由传动装置拖动在干燥机内移动。干燥机由若干单元组成，每一单元热风独立循环，部分尾气由专门排湿风机排出，废气由调节阀控制，热气由下往上或由上往下穿过铺满物料的网带完成热量与质量传递的进程，带走物料水份。网带缓慢移动，运行速度可根据物料温度自由调节，干燥后的成品连续落入收料器中。上下循环单元根据用户需要可灵活配备，单元数量亦可根据需要选取。

The materials are uniformly distributed on the mesh-belt by the material feeder. The mesh-belt generally adopts 12–60 mesh stainless steel mesh and it is drawn by a transmission device and move inside the dryer. The dryer is composed of several sections. For each section, the hot air is circulated separately. Part of exhausted gas is exhausted by a special moisture exhaust blower. The waste gas is controlled by an adjustment valve. The hot air passes through the mesh-belt covered with bring water material away. The mesh-belt moves slowly, running speed can be freely adjusted according to the material property. The final products after the drying process will fall into the material collector continuously. The top and low circulation units can be freely equipped according to the user's requirements. The number of section might be selected according to the production demands.



► 应用 Applications

炒货、脱水蔬菜、颗粒饲料、味精、椰蓉、有机塑料、合成橡胶、丙烯纤维、药品、药材、小木制品、塑料制品、电子元器件老化、固化等。

Roasted seeds, De-watering vegetable, particle feed, gourmet powder, shredded coconut stuffing, organic color, compound rubber, acral fibre, medicine product, medicine material, small wooden product, plastic product, aging and solidification for the electronic component and device.



► 技术参数 Technical parameters

型号 spec	单位 unit					SMD–2–8	SMD–2–1
单元数 unit number		4	6	4	6	4	6
带宽 belt width		1.2	1.2	1.6	1.6		
干燥段长 drying section length	m	8	10	8	10	8	10
铺料厚thickness of the material		10~80					
使用温度 temperature	℃	60~130					
蒸汽压力 steam pressure	Mpa	0.2~0.8					
蒸汽耗量 steam consumption	kg/h	150–300	150–375	150–375	170–740	170–740	225–600
干燥时间 drying time		0.2–1.2	0.25–1.5	0.2~1.2	0.25–1.5	0.2~1.2	0.25–1.5
干燥强度drying strength	kgH ₂ O/h	60–160	80–220	75–220	95–250	100–260	120–300
风机总功率 total power of the blower	kW	9.9	12.1	9.9	12.1	18.2	22.2
设备总功率 total power of the equipment	kW	11.4	13.6	11.4	13.6	19.7	23.7

注：1.带式干燥机一般都是结合某种物料的特殊性而设计的专业设备。2.其技术参数参照DW型参数表推出。

► 产品介绍 Product introduction

DW系列多层带式干燥机是成批生产用的连续式干燥设备，用于透气性较好的片状、条状、颗粒状物料的干燥，对于脱水蔬菜、催化剂、中药饮片之类含水率高、而物料温度不允许高的物料尤为合适；该系列干燥机具有干燥速度快、蒸发强度高、产品质量好的优点，对脱水滤饼类的膏状物料，需经造粒或制成条状后方可干燥。

The belt drier is a continuous drying equipment in batch production. It is suitable for drying the raw materials that is in the shape of piece, strip or granule and is good in permeability. Particularly it is suitable for such raw materials that contain high moisture and are not permitted high temperature for example, dehydrated vegetable, catalyst, drinking tablet of Chinese traditional medicine. Its features are fast in drying speed, strong in vaporization, good in quality of products.

Typical products Dehydrated vegetable, granule feed, monosodium glutamate, check extraction, organic pigment, synthetic rubber, propylene fiber, medicine, medical material, small wooden products, plastic products, aging or solidifying for electronic elements. For pasted raw material such as filter cake, it can be dried after shaped through granulator or extruder.



► 概述 Descriptions

DW系列多层带式干燥机适用于大规模生产干燥速率较低的难干燥物料，设备结构紧凑，占地面积小，操作简单，维护方便、运行稳定。可根据物料的干燥特性设计成不同的热风循环干燥形式，是热风循环烘箱的延伸和改进，广泛应用于冶金助剂、化工、食品、包装等领域。随着企业技术进步，产品技术含量的提高，多层带式干燥机已具备满足大生产、多元化、集中控制、连续生产的能力。具有高效、节能、易于管理的优势。

DW series many layers belt dryer is used in the material hard to dry and low dry speed. The equipment structure is compact. It covers small area with easy operation, convenient maintain and steady running. The equipment extend and promote the heat wind circle oven which design the dryness process with different heat wind circle as per the dryness characteristics of materials. It is widely used in chemical, metallurgy industry, food, packaging. The dryer has lots of superiorities as high efficiency, saving energy, easy management, larger output, constant product and varied ability.

► 技术参数 Technical parameters

型号 Spec	单位 unit	MMD ₃ –1.2–8	MMD ₃ –1.2–10			MMD ₃ –2–8	
单元数 Unit number		4 × 3	5 × 3	4 × 3	5 × 3	4 × 3	5 × 3
干燥段长 Drying section length		24	30	24	30	24	30
铺料厚Thickness of the material	mm	10–80					
使用温度 Temperature	℃	50 ~ 140					
蒸汽压力 Steam pressure	Mpa	0.2 ~ 0.8					
蒸汽耗量 Steam consumption	kg/h	360–600	420–720	450–840	480–960	480–960	630–1350
换热面积 Area of heat exchange	m ²	816	1020	1056	1320	1344	1680
干燥强度Drying strength	kgH ₂ O/h	150–450	220–550	240–600	280–750	280–750	350–900
内机总功率 Power equipment inside	kW	30.8	37.4	42	51	56	68
外机总功率 Power equipment outside	kW	35.3	41.9	46.5	55.5	60.5	72.5
外形尺寸 Overall dimensions	m	9.77 × 2.2 × 4.5	11.77 × 2.2 × 4.5	9.77 × 2.6 × 4.5	11.77 × 2.6 × 4.7	9.77 × 3.06 × 4.9	11.77 × 3.06 × 4.9
总重 Weight	Kg						

注：对于干燥温度在250–350℃ 时，本公司可根据实际物料进行特殊设计。

概述 Descriptions

这款机器适用于加工各种五谷杂粮和中药材.比如各种粮食、中药材含芝麻核桃大米、黑米、黄豆、绿豆、花生、莲子、玉米、高粱、大麦、荞麦、燕麦、杏仁、茯苓、红枣芡实、枸杞薏仁、山檀、淮山、首乌、红豆、阿胶、乳香、菟丝子、当归、党参、黄芪等。

This machine is suitable for processing all kinds of cereals and Chinese medicinal materials.such as all kinds of cereals and Chinese medicinal materials including sesame walnut rice, black rice, soybeans, mung beans, peanuts, lotus seeds, maize, sorghum, barley, buckwheat, oats, almonds, almonds, etc. Poria cocos, jujube scutellaria, wolfberry Coix seed, mountain cabinet, Huaishan, Shouwu, red bean, donkey glue, frankincense, Cuscuta seed, Angelica sinensis, Codonopsis pilosula, Astragalus membranaceus, etc.



技术参数 Technical parameters

名称Name	电动粉碎机Electric grinder									汽油动力粉碎Gasoline grinder	
型号Model	1200		2200		3000	3000A		3000L		4000	8100
功率Power(kw)	1.1	1.1	2.2	2.4	3	3	3	3	3	4	8.1
电压Voltage(v)	220	220	220	380	220	220	380	220	380	12	12
产量Capacity(kg/h)	20-40		30-60		30-60	30-70		30-80		20-50	20-80
细度Fineness(mesh)	50-200										
重量Weight(kg)	27	30	40	40	50	60	50	67	53	53	93

SGG系列粗碎机 SCG Series Coarse Grinder

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、中草药橡胶等进行粉碎. 也能作为超微粉碎机加工前预粉碎的配套设备. 采用立式粉碎机构, 不受物料粘度、硬度、软度等限制, 对任何物料都能起到粉碎作用。

This machine is suitable for pharmaceutical, chemical, gold, food, construction and other industries. Processing hard materials, including plastic, copper wire, Chinese herbal rubber, etc. can also be used as auxiliary equipment for the pre-crushing process of ultra-micro-grinder.The machine adopts vertical crushing mechanism, which is not limited by material viscosity, hardness, softness and so on. It can crush any material.



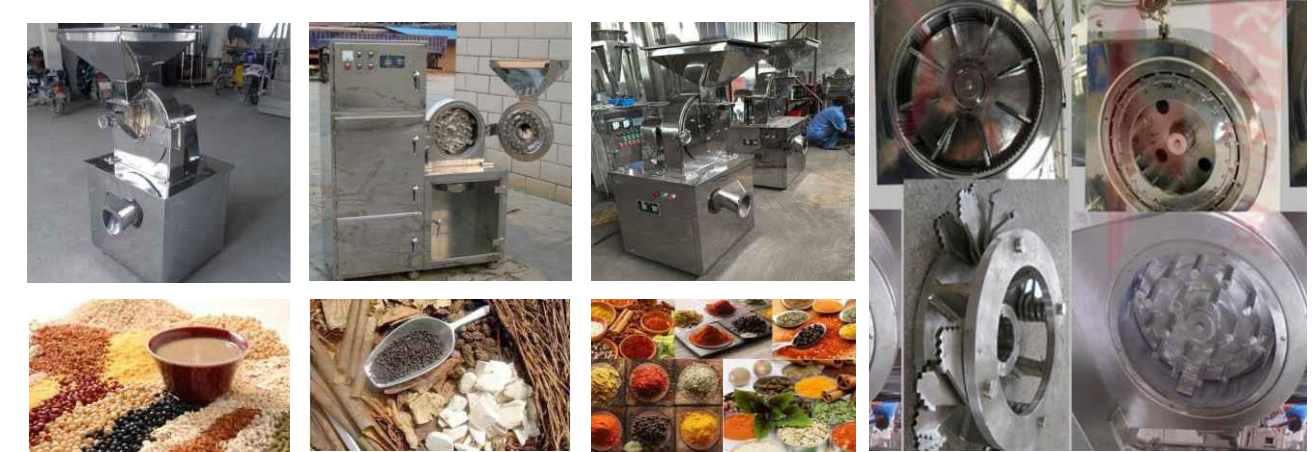
技术参数 Technical parameters

型号Model	CG-20	CG-40	CG-60	CG-80
产量Capacity(kg/h)	80-300	200-800	300-1200	500-2000
进料尺寸Feeding size(mm)	≤100			
出料尺寸Output size(mm)	0.5-20			
功率Power(kw)	4	7.5	15	18.5
尺寸Dimension(m)(L*W*H)	0.9*0.6*1.44	0.9*0.7*1.44	0.9*0.8*1.44	1*0.9*1.44
重量Weight(kg)	200	350	480	600

概述 Descriptions

万能磨床广泛应用于食品、饲料、医药、医药、化工等行业。它主要用于粉碎脆性干燥的材料，不适用于潮湿、粘性、油性材料。

Universal grinder are widely used in foodstuff,feed,pharmaceutical,medical,chemical industry etc.it's mainly used to grind brittle dry materials,not suitable for wet,sticky,oily material..it's mainly used to grind br



原理 Principle

万能粉碎机组由粉碎机, 物料收集箱和除尘器组成。本机利用活动齿盘与固定齿盘之间的相对运动, 使腔体内的原材料受到冲击、原材料、腔和磨盘的冲击和摩擦。最后, 将原料粉碎成细粉, 细度可通过仓内筛网调节, 该机采用食品级SS304, 符合GMP标准。

The universal grinder consists of grinder,raw material collector and duster. The grinder use the relative motion between movable and fixed teeth disc, the raw materials in chamber suffered by impact and friction from teeth, raw materials,chamber and millstone. finally, the raw materials are crushed into fine powder.the fineness can be adjusted by screen mesh in the chamber.The machine are made of food-grade SS304,meet GMP Standard.

技术参数 Technical parameters

型号Model	20B	30B	40B	60B
产量Production Capacity (kg/h)	60-150	100-300	160-800	500-1500
转速Rotary speed(r/min)	4500	3800	3400	2800
进料尺寸Feeding size(mm)	6	10	12	15
细度Final Fineness (mesh)	10-120	10-120	10-120	10-120
电机功率Motor power(kw)	4	5.5	7.5/11	15
除尘功率Dust-absorb fan power(kw)	0.75/1.5	0.75/1.5	1.1/1.5	2.2
迟钝Dimension(mm)(L x W x H)	1100 x 600 x 1650	1200 x 650 x 1650	1350 x 700 x 1700	1550 x 1000 x 1760

概述 Descriptions

超微粉碎破壁机，根据国家“GMP”要求设计制造，适用于任何纤维性、高韧性、高硬度或有一定含水率和糖分 物料粉碎，特别是名贵中药材的细胞破壁粉碎。旨在提高药物生物利用度及粉碎在常规方法无法达到要求细度的物料。主要广泛应用于药材、香辛料、脱水食品。还可用于建材（超细水渣、粉煤灰等）、化工(朱砂、信石等)、冶金、环保（垃圾微粉制砖等）、电子（浆料、石墨乳等）等与粉体应用有关的各种行业。 比如中药材(海马、人参、西洋参、甘草、石斛、三七、黄芪、灵芝孢子粉、虫草、鹿茸、黑枸杞等)； 香辛调味料(藏红花、辣椒、姜、胡椒、花椒、肉桂、丁香、姜黄、食盐、白糖等) ;脱水食品(脱水蔬菜、果品、海产品、肉制品等)。

Ultra-micro wall crusher, designed and manufactured by GMP standard, is suitable for the crushing of any material with fibre, high toughness, high hardness or certain moisture content and sugar, especially the cell wall-broken of precious Chinese medicinal materials. The aim is to improve Pharmaceutical bio-availability and materials whose fineness can not be achieved by conventional methods. Mainly used in medicinal materials, spices, dehydrated food. It can also be used in building materials (superfine water slag, fly ash, etc.), chemical industry (cinnabar, letter stone, etc.), metallurgy, environmental protection (waste micro-powder brick, etc.), electronics (propeller, graphite emulsion) and other industries related to powder application. Such as Chinese herbs(Hippocampus japonicus,Ginseng, American ginseng, licorice, Dendrobium, Notoginseng, Astragalus membranaceus, Ganoderma lucidum spore powder, Cordyceps, Antler, Lycium barbarum, etc.);Spice condiments(saffron, pepper, ginger, pepper, pepper, cinnamon, clove, turmeric, salt, sugar etc);Dehydrated food(dehydrated vegetables, fruits, seafood , meat).



原理 Principle

该机器采用振动粉碎的原理。磨筒在外加激振力的作用下产生顺逆时针方向的圆振动。磨筒的强烈振动使磨筒内振动棒产生抛掷运动，在此抛掷运动作用下，每个振动棒都产生与圆振动同向的旋转运动，振动棒群也产生圆振动反向的低频公转运动。对物料产生正向冲击力和侧向剪切力。物料在两作用力的高加速度撞击、切磋、挤压、切割等作用下，被研细、破壁。

The machine adopts working principle of vibration grinding. The grinding cylinder produces circular vibration clockwise and counter-clockwise under the action of external exciting force. The strong vibration of the grinding barrel causes the throwing motion of the vibrating rod in the grinding barrel. Under the action of the throwing motion, each vibrating rod produces a rotating motion in the same direction as the positive vibration, and the group of vibrating rods also produces a low-frequency rotating motion opposite to the circular vibration. Produce extrusion and cutting of two forces



特点 Features

- ◇破壁细度：300-3000目，破壁率高达98%以上，便于吸收、扩大疗效，节省药材。
 - ◇温度可控：药材在-30℃~+50℃可调环境中进行破壁、粉碎。通过水冷装置,可实现低温粉碎,可以保持物料的原有理化性质和活性成份,最低温度可达-35℃。
 - ◇隔声罩密封：全密闭操作,无噪音,无污染，无粉尘，100%粉碎,无损耗，符合GMP要求。
 - ◇服用：复方微粉可直接冲服（免煎），也可直接作为任何剂型 原料使用（免提取）。
 - ◇采用复合（透明）隔声罩，噪音大大降低。
 - ◇易拆卸、易清洗、易换料。可用水、压缩空气、酒精、蒸汽等清洗消毒。
- ◇Wall-breaking fineness: 300-3000 meshes, wall-breaking rate as high as 98%, easy to absorb, expand curative effect, save medicinal materials.
- ◇Temperature controllable: crushing and breaking the walls of medicinal materials in the adjustable environment of - 30 ~50 ~C. The crushing at low temperature can be realized by water cooling device, and the original chemical properties and active ingredients of the material can be maintained. The lowest temperature can reach - 35 C.
- ◇Sound insulation cover Sealing: fully sealed operation, pollution-free, dust-free, 100% crushing, no loss, in line with GMP requirements.
- ◇Compound micro-powder can be taken directly (without frying), or can be used as raw material for any dosage form (without extracting).
- ◇Easy to disassemble, clean and change materials. It can be cleaned and disinfected by water, compressed air, alcohol, steam, etc.

技术参数 Technical parameters

型号Model	VWB-10	VWB-20	VWB-30	VWB-50	VWB-100
容积Volume (L)	5	10	20	50	100
产量Capacity(kg/h)	1~4	2~10	8~15	10~30	50~80
进料粒度Inlet material size (mm)	≤5		≤8		≤10
粉碎细度Powder Fineness (mesh)	325 ~ 3000 (44 ~ 3.1um)				
冷却方式Cooling Method	Water cooling				
电压Voltage (V)	220/380				
整机材质Material	SUS304				
功率Power (kw)	1.5	2.2	4	7.5	11
Dimension (m)L*W*H	1.2×0.8×1.4	1.2×0.8×1.4	1.4X0.8X1.5	2.1×1×1.6	2.5*1.2*1.8
重量Weight (kg)	380	540	600	900	1500
应用Application	Lab	Lab	Small-scale	Small-scale	lot production

粉碎效果 Comminution effect



概述 Descriptions

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。该机在粉碎作业时主机不升温，可粉碎各种热敏性物料。该机广泛运用于制药(各种中药材)、化工、食品（例：食品·保健·根类·茎类·玉米、大米、辣椒、胡椒、油麦、大豆、大蒜、八角、桂皮、脱水蔬菜、山楂、干姜、蒜片、白糖、糖精、粮食类、虾皮、南瓜粉、调料)化妆品、染料、等工业的物料粉碎。

This machine is composed of three parts: main engine, auxiliary machine and electronic control box. It has many functions such as air-selection, no screen, no net, uniform particle size and so on. The production process is carried out continuously. The machine can crush all kinds of heat sensitive materials without heating the host during crushing operation.it's widely used in pharmacy(varies of herbs), chemical industry and foodstuff (e.g. food, chemical industry, health care, root category, diameter category, corn, rice, pepper, oil wheat, soybean, garlic, star anise, cinnamon, dehydrated vegetables, hawthorn, dried ginger, garlic slices, sugar, Saccharin, Grain, shrimp skin Pumpkin powder, seasoning) Cosmetics, dyes and other industrial materials crushing.



原理 Principle

物料由料斗经螺旋输送机进入粉碎室，被高速旋转的刀片剪切粉碎，粉体越过导向圈进入分级室，因分级轮是旋转的，流入叶道内的粉体同时受到空气动力和离心力的作用。粉体中大于临界直径（分级粒径）的颗粒因质量大，被甩回粉碎室继续粉碎，小于临界直径的颗粒通过负压风运的方法经出料管进入旋风分离器、袋式除尘器，排出物料达到产品的要求。

Material from the hopper across the screw conveyor into the crushing chamber, it's sheared into powder by high-speed rotating blade, powder across the guide ring into the classification chamber, because the classification wheel is rotating, the powder flowing into the blade channel is affected by the role of aerodynamic and centrifugal force at the same time. Particles larger than critical diameter (graded particle size) in powder are thrown back to the crushing chamber for further crushing because of their high quality. Particles smaller than critical diameter are transported through the discharge tube into cyclone separator and bag filter by effective of negative pressure air, and the discharged materials meet the requirements of the product.

技术参数 Technical parameters

规格型号 Specification and model	WFJ-15	WFJ-18	WFJ-36
生产能力 Productive capacity(kg/h)	10 ~ 200	20 ~ 450	60 ~ 1000
进料粒径 Size of raw material to be fed(mm)	< 10	< 12	< 15
出料粒度(目) Size of raw material to be discharged (mesh)	80 ~ 320	80 ~ 450	80 ~ 450
总功率 Total power (kw)			
主转速 Main revolution(r/min)	4500	4480	4000
外型尺寸 Overall dimensions (L×W×H)(mm)	4200×1200×2800	4700×1250×2900	9000×1500×3800

注：1.以上表中参数因物料差异较大，故产量和出料细度差异亦较大。
2.脉冲除尘器用空压机由用户自备。
Notes: 1.The parameters listed in above table have more difference with difference with different raw materials, therefore the output and size of raw material to be discharged have difference too.
2. The air compressor used for pulse bag duster should be prepared by customer.

概述 Descriptions

本机广泛应用于制药、食品、化工、科研等行业的物料粉碎，特别对热敏性物料，油性物料、粘性物料、橡胶、塑料、中西药、动植物等及一切在常温下呈韧性、无法粉碎的物料。低温粉碎先把上述物质冷冻到脆化点以下，然后在粉碎仓内被粉碎到所需的细度，而且原成份不会破坏。并且在常温下易燃易爆的物质，也能低温粉碎，效果更为显著。

This machine can be widely used for crushing materials in pharmaceutical, food, chemical,scientific research industries, especially for heat sensitive materials, oily materials, viscous materials, rubber, plastic, Chinese and Western medicine, animals and plants and all other materials that are tough and can not be crushed at room temperature. Cryogenic grinder first freezes the above substances below the embrittlement point, then grinds them to required fineness in the chamber, and the original ingredients will not be destroyed. Moreover, flammable and explosive materials which can't ground at room temperature can also be crushed at low temperature, the effect is more remarkable.



原理 Principle

物料通过冷却在低温下实现脆化易粉碎状态后，进入粉碎腔中通过粉碎结构进行无数次的撞击、剪切、摩擦，最后形成细小颗粒。被粉碎后通过筛分系统分级并收集，未达到细度要求的物料返回料仓继续粉碎。冷气大部分返回料仓循环使用。

After cooling at low temperature,material Material presents embrittlement and easy to crush, it enters crushing chamber and suffered countless times impacts, shears and frictions by crushing structure, finally forms fine particles. After being crushed, the material is classified and collected through screening system, and the material which fails to meet the fineness requirement return to the silo for further crushing. Most of the cooling air return to the silo for recycling.

应用 Applications

- ◇生物中药材：人参、甘草、石斛、三七、黄芪、灵芝、虫草、黑枸杞、鹿茸、羚羊角、海马。
- ◇食品添加剂/香辛料：海藻、香菇、芝麻、胡椒、花椒、辣椒、肉桂、孜然、八角、丁香、香叶、姜粉、葱粉、茴香、桂皮。
- ◇塑料/橡胶：通用塑料(PVC、PE、PP、PS、AS、ABC、热溶胶、色母料) ;工程塑料（HDPE、LDPE、PA、PA6、PA66、PA11、PC、POM、PBT、PET、PPO、PMMA、PPS、PI、PSF、PEEK、PCTFE、PTFE、PES、PAI、PAR）；
- ◇精细化工：金属壁涂层、防腐涂层、管道防腐粉末、橡胶、粉末涂料等热敏性物料。
- ◇Biological traditional Chinese medicines: ginseng, licorice, dendrobium, notoginseng, astragalus, Ganoderma lucidum, cordyceps, black wolfberry, antler, antelope horn, hippocampus.
- ◇Seaweed, Lentinus edodes, sesame, pepper, pepper, cinnamon, cumin, anise, clove, fragrant leaves, ginger powder, onion powder, fennel, cinnamon.
- ◇Plastics/rubber: general plastics (PVC, PE, PP, PS, AS, ABC, thermosol, color masterbatch); engineering plastics (HDPE, LDPE, PA, PA6, PA66, PA11, PC, POM, PBT, PET, PPO, PMMA, PPS, PI, PSF, PEEK, PCTFE, PTFE, PES, PAI, PAR);
- ◇Fine chemical industry: metal wall coating, anti-corrosion coating, pipeline anti-corrosion powder, rubber, powder coating and other heat-sensitive materials.

技术参数 Technical parameters

型号Model	SSG-250	SSG-350	SSG-450
总功率Total power(kw)	15	40	56
粉碎仓直径Crushing chamber Diameter	Φ260mm	Φ350mm	Φ450mm
工作介质Working medium	liquid nitrogen		
工作温度Working temperature(℃)	To -197		
出料细度Output fineness(mesh)	10-1000(can reach Nanoscale)		
产量Capacity(kg/h)	10-150	30-500	100-1000
材质Material	SS and insulation shell, SS304 inside.		
尺寸Dimension(m)L*W*H	1.6*1.1*1.1	2.1*1.4*2.8	4.4*2.1*3.3
重量Weight(kg)	1200	2500	3000

概述 Descriptions

VF系列真空上料机是我公司最新开发研制的第三代新型真空上料机，它具有上料速度快、使用周期长、操作方便、清洁卫生，符合GMP要求。用于粉状，小颗粒状(φ<5mm)及球状物料。用于二维、三维、双锥、V型等各种密闭容器和设备的上料。

Model VF serial vacuum feeder is a third-generation new- type vacuum feeder recently developed by our company. it has advantages of fast feeding, long service period, simple operation, clean and in conformitywith GMP requirement. Used for powder, small grain and ball materials with diameter less than 5mm.Used for materials feeding for various kinds of sealed containers and equipments such as two-dimension, three-dimension,double- cone, V-shaped etc.



技术参数 Technical parameters

参数 Data \ 型号 Model	VF-2.2	VF-3.0	VF-4.0	VF-5.5	VF-7.5
工作压力 Working Pressure(kpa)	<18	<20	<22	<28	<31
风量 Air Volume(m³/h)	210	300	330	370	480
功率 Power(kw)	2.2	3.0	4.0	5.5	7.5
输送能力 Transporting Capacity(kg/h)	900-1200	1200-1500	1500-1800	1800-2100	2100-2400

概述 Descriptions

自动螺旋上料机主要用做粉和粒料上料，适用于食品、化工、建材、塑料以及包装等行业有一定高度要求的设备喂料。

Automatic screw feeder is mainly used for powder and granule feeding. It is suitable for equipment feeding with high requirements in food, chemical, building materials, plastics and packaging industries.



技术参数 Technical parameters

型号Model	700	1000	1500	2500
上料电机功率Feeder power(kw)	1.5	2.2	3	3
料管直径Feeding pipe Dia(mm)	102	114	133	159
上料高度Feeding height(mm)	Custom made			
上料量(kg/h)	700	1000	1500	2500
料斗容积Hopper capacity(kg/h)	150	200	250	250
料想尺寸(m)L*W*H	0.9*0.7*0.95	1*0.8*0.95	1*1*0.95	1*1*0.95
重量Weight(kg)	150	200	300	400

► 应用 Applications

本机广泛用于医药，化工，食品，染料，饲料，化肥，农药等行业。尤其适用于大吨位(1000L-20000L)各种固相物料的混合。

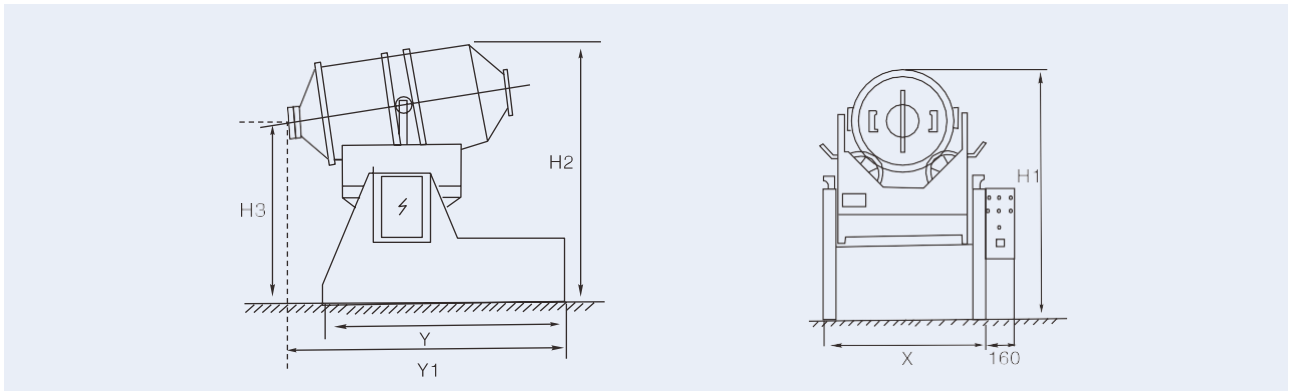
本机混合筒在转动的同时又参与摆动，使筒中物料得以充分混合，使该机具有混合迅速，混合量大，出料便捷等特点。

The mixers are widely used in pharmaceutical, food, dye, feed, chemical fertilizer and pesticide industries and especially suitable for mixing various solid materials with large volume(1,000 to 12,000 litres).

The mixing barrel swings while rotates so that the materials in the barrel can be fully mixed. Because the discharge port of the barrel is out of the barrel centreline, the mixer features quick mixing and discharging, as well as high volume mixing capacity.



► 结构示意图 Sketch of structure



► 技术参数 Technical parameters

型号 Model	料筒容积 Barrel Volume (L)					电机总功率 Total motor Power (Kw)	外形尺寸 Overall dimensions X×Y×H3×H2×H1 (mm)	Y1 (mm)			
TDM-300	300	180	90	17.5/11	1.3		975×905×825×1650×1550	1900	600	340	60
TDM-600	600	360	180	15/9	3		1145×1105×950×1900×1750	2200	750	600	140
TDM-800	800	480	240	11/6.4	3		1300×2000×925×2050×1850	2800	820	1200	200
TDM-1000	1000	600	300	8/5	3		1380×2450×900×2050×1900	3050	900	1300	240
TDM-1500	1500	900	450	8/5	4.4		1480×2250×1100×2350×2200	3300	1000	1750	320
TDM-2000	2000	1200	600	8.3/4.7	5.2		1640×2630×1080×2450×2300	3500	1130	1900	430
TDM-3000	3000	1800	900	6.8/3.8	8		1890×2750×1180×2750×2570	3900	1300	3500	620
TDM-4000	4000	2400	1200	6.8/3.8	9.5		1970×3490×1230×2900×2720	4700	1400	4100	800
TDM-5000	5000	3000	1500	6.7/3.8	9.5		2100×3600×1380×3200×3000	5000	1500	5500	900
TDM-6000	6000	3600	1800	5.6/3	13		2240×3790×1430×3400×3150	5200	1600	6100	1100
TDM-8000	8000	4800	2400	4.5/2.7	13		2450×4350×1700×3850×3550	5700	1800	9000	1450
TDM-10000	10000	6000	3000	3.8/2.2	18.5		2630×4900×1630×4050×3650	6300	1900	10000	1700
TDM-12000	12000	7200	3600	3.8/2.2	18.5		2730×5200×1800×4450×4050	6600	2020	13000	2000
	15000	9000	4500	3.2/2	22		3000×5280×2020×4650×4350	6700	2300	15000	2500
TDM-2000	20000	12000	6000	3.2/1.9	30		3250×5550×2100×5000×4650	7500	2500	18000	3100

注：装料重量是按物料假比重0.5克/厘米3计算。Note: the loaded weight will be calculated in accordance with 0.5g/cm3 of specific gravity.
本说明内容仅供参考，因设备更新改进较快，敬请以最新资料为准；特殊要求，另行约定。

► 应用 Applications

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

◇ 物料无离心力作用，无比重偏析及分层、积聚现象，各组分可有悬殊的重量比，混合率达99.9%以上，是目前各种混合机中的一种较理想产品。

◇ 装料率大，最高可达80%(普通混合机仅为40%)，效率高，混合时间短。

◇ 筒体各处为圆弧过渡，并经过精密抛光处理，达到GMP要求。

◇ The mixers are suitable for mixing powder and granulate materials in pharmaceutical, chemical, foodstuff, light industrial, electronic, machinery, mining, metallurgical and national defence industrials, featuring high evenness mixing.

◇ Because the mixing barrel moves in multiple directions, there is no centrifugal force acting on the material, as well as no phenomena of gravity segregation, delaminaton and accumulation of materials so that the mixing rate can be up t0 99.9 percent for the materials with big difference in terms of specific gravity. Therefore, it is an ideal product currently compared with other various mixers.

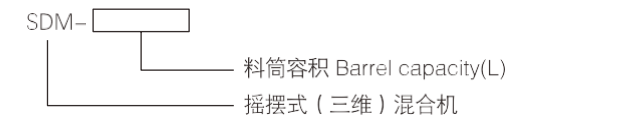
◇ The barrel has high loading rate(max. 80 percent, however, only 40 percent for the conventional mixers), so that it features high efficient and short mixing time.

◇ The barrel transitional radius everywhere, which has been super finished.

► 原理 Principle

装料的筒体在主动轴的带动下，作周而复始的平移转动和翻滚等复合运动，促使物料沿着筒体作环向、径向和轴向的三向复合运动，从而实现多种物料的相互流动、扩散、积聚、掺杂，达到均匀混合的目的。

Driven by the driving shaft, the barrel with the materials loaded performs cycling compound movements of translation and tumbling, which make the materials move annularly, radially and axially in the body, thus achieving mutual flow, spread, accumulation and mixing of materials for the purpose of fully mixing.



例：SDM-100表示料筒容积为100升的三维运动混合机
Example: SDM-100 means 3-Dmixer with barrel capacity of 100 litres.

► 技术参数 Technical parameters

型号 Model		SDM-5	SDM-10	SDM-15	SDM-20	SDM-50	SDM-100	SDM-200	SDM-400	SDM-600	SDM-800	SDM-1000	SDM-1200	SDM-1500
料斗容量 (L) Barrel capacity		5	10	15	20	50	100	200	400	600	800	1000	1200	1500
最大装料重量 (Kg) Max loading weight		2.5	5	7.5	10	25	50	100	200	300	400	500	600	750
外形尺寸 (mm) Overall dimensions	深 L	720	850	900	1000	1400	1700	1800	2100	2400	2600	2650	2950	3100
	高 H	950	1050	1100	1150	1200	1500	1600	1950	2350	2500	2600	2750	2930

注：装料重量是按比重0.5克/厘米3计算。本说明内容仅供参考；特殊要求，另行约定。
Note: the loaded weight will be calculated in accordance with 0.5g/cm3 of specific gravity.

概述 Descriptions

由螺旋的公、自转使物料在锥体内产生复合运动，该运动使物料在混合机内产生对流、剪切、扩散、从而达到快速均匀混合的目的。

The compound movement of material in the cone is caused by the common and autorotation of the helix, which causes convection, shearing and diffusion of material in the mixer, so as to achieve the goal of rapid and uniform mixing.

应用 Applications

应用于化工、医药、农药、染料、石油、冶金、建材等粉体与粉体（固-固），粉体与液体（固-液），液体与液体（液-液）混合、反应、干燥、冷却。

It is suitable for chemical industry, pharmaceutical industry pesticide, dyestuff , petroleum industry, metallurgical industry, construction material and etc . Such as in the mixing, reaction, drying, cooling of powder and powder(solid-solid), powder and liquid (solid-liquid), liquid and liquid (liquid-liquid).

特点 Features

- ◇可加装飞刀，喷淋雾化装配，满足特殊工艺要求。
- ◇出料阀有手动、气动两种方式。
- ◇特殊物料可加大电机功率（加重型）。
- ◇This model of machine can be equipped with single screw , double screws, tri-screws.
- ◇It can be equipped with flying-entter additionally, so as to meet the requivements for special technology.
- ◇The discharge valve adopts two ways , one is manual or the other is pneumatical.
- The power of motor can be enlarged for special material(strengthening type).

技术参数 Technical parameters

型 号 type	全容积 Total volume (m³)	装载系数 Load factor	装机功率 Equipped power Kw	操作条件 Operating conditions	外形尺寸 Overall dimension(mm)	重量 Weight (kg)
DSH-0.1	0.1	≤0.6	1.5	常温常压粉尘密封	1569φ702	250
DSH-0.5	0.5	≤0.6	3	常温常压粉尘密封	2322φ1124	660
DSH-1.5	1.5	≤0.6	5.5	常温常压粉尘密封	3140φ1633	1350
DSH-3.0	3.0	≤0.6	7.5	常温常压粉尘密封	3747φ2210	2300
DSH-5.0	5.0	≤0.6	15	常温常压粉尘密封	4576φ2402	3000
DSH-8.0	8.0	≤0.6	18.5	常温常压粉尘密封	5405φ2805	4500
DSH-15	15	≤0.6	24.2	常温常压粉尘密封	6475φ3450	6600
DSH-25	25	≤0.6	41	常温常压粉尘密封	7995φ4078	8500



原理 Principle

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 material into square taper sealed mixing barrel, hopper and rotary axis of symmetry axis into an angle, different components of the material in the hopper in a confined three-dimensional space motion, produced a strong contraction of flip and diffusion, the best mixed results.



特点 Features

- ◇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。
- ◇回转高度低、运转平稳，性能可靠，操作方便。
- ◇桶体内外壁均经镜面抛光，无死角、易出料、易清洗，无交叉污染，符合GMP要求。
- ◇The novel design, compact structure, beautiful appearance, uniformity of 99%. volume loading coefficient was 0.8.
- ◇Low rotation height, stable operation, reliable performance, easy operation.
- ◇Both inside and outside of the barrel body are polished by mirror, no dead angle, easy to discharge, easy to clean, no cross contamination, in accordance with GMP requirements.

应用 Applications

HF系列方锥型混合机是一种广泛应用于制药、化工、冶金、食品、轻工、饲料等行业的新颖物料混合机。该机能非常均匀地混合粉体或颗粒，使混合后的物料达到最佳效果。

HF series square cone mixer is a kind of new material mixing machine which is widely used in pharmaceutical, chemical, metallurgical, food, light industry, feed and other industries. The function is very evenly mixed with powder or particles, so that the mixed material to achieve the best results.

技术参数 Technical parameters

参数 parameter	型号 type	FZH-300	FZH-500	FZH-1000	FZH-1500	FZH-2000	FZH-3000
混合桶容积mixing bucket volume(L)		300	500	1000	1500	2000	3000
最大装料容积Maximum loading volume(L)		240	400	800	1200	1600	2400
最大装料重量Maximum charge weight (kg)(kg)		150	250	500	750	1000	1500
主轴转速Spindle speed (RPM)(rpm)		14	13	12	10	10	8
电机功率Motor power(kW)		1.5	2.2	4	5.5	7.5	11
整机重量Machine weight(kg)		600	750	1200	1650	2000	3000
外形尺寸Dimensions(动态)		1850 × 1280	2200 × 1530	2800 × 2000	2930 × 2330	3300 × 2550	3800 × 3000
长 × 宽 × 高LxWxH(mm)		× 1980	× 2220	× 2820	× 3355	× 3280	× 3800

概述 Descriptions

本机适用于制药、化工、食品等行业两种以上干粉状、颗粒状物料的混合。不锈钢制作，内外抛光处理，混合均匀。并能根据用户的要求配套强制搅拌器，以适合较细的粉粒、块状、含有一定水份的物料混合之用。

This machine is suitable for mixing more than two kinds of dry powder and granular materials in pharmaceutical, chemical and food industries. Stainless steel production, internal and external polishing treatment, mixing evenly. It can also be matched with a forced mixer according to the user's requirements, so as to be suitable for the mixing of finer powders, lumps and materials containing a certain amount of water.



技术参数 Technical parameters

型号规格 Model and specification	V-0.18										V-6
生产能力 Productive capacity (kg/time)	72	90	150	300	450	600	800	900	1200	1500	1800
配用真空泵型号 Model of vacuum pump	W2	W2	W2	W3	W3	W3	W3	W4	W4	W4	W4
进料时间 Time of raw material fed in (min)	3-5	3-5	4-6	6-9	6-10	8-13	8-15	8-12	10-15	15-20	18-25
混合时间 Mixing time (min)	4-8	6-10	6-10	6-10	6-10	6-10	6-10	8-12	8-12	8-12	8-12
全容积 Total volume (m³)	0.18	0.3	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0
搅拌速度 Stirring speed (r/min)	12	12	12	12	12	12	12	10	10	10	10
电机功率 Power of motor (kw)	1.1	1.1	1.5	3	4	5.5	7.5	7.5	11	15	18.5
回转高度 Rotating height (mm)	1580	2160	2360	2600	2800	2900	3000	3200	4000	4500	5000
重量 Weight (kg)	280	320	550	950	1020	1600	2040	2300	2800	3250	3850

注：装载系数：均为0.4~0.6 该表中的生产能力均安装系数0.5，物料密度0.8计算。
Notes:all loading coefficient is 0.4~0.6,the productive capacity listed in the table is calculated in accordance with 0.5 of loading coefficient and 0.8 of raw material density.

DCM系列双锥混合机 DCM Series Double Conical Mixer

概述 Descriptions

本机将粉末或粒状物料通过真空输送或人工加料到双锥容器中，随着容量的不断旋转，物料在容器中进行复杂的撞击运动，达到均匀的混合。本机适用于医药、化工、食品、建材等行业的粉状、粒状物料的混合。

Through the vacuum conveyor for the machine, send the powder or grain state materials into the double-taper container, or send the materials into the container manually. It is suitable for mixing the powder and grain state materials in the pharmacy, chemical food, building material and other industries.



技术参数 Technical parameters

型 号 Model	全容积 Total volume (m³)	生产能力 Productive capacity (kg/批)	混合时间 Mixing time (min)	筒体转速 Revolution of cylinder (rpm)	功率 Power (kw)	外形尺寸 Overall dimension (mm)	回转总高度 Rotation height (mm)	重量 Weight (kg)
180	0.18	90	4-8	12	1.1	1400×800×1850	1850	280
300	0.3	150	6-10	12	1.1	1685×800×1850	1850	310
500	0.5	250	6-10	12	2.2	1910×800×1940	1950	550
1000	1.0	500	6-10	12	3	2765×1500×2370	2460	810
1500	1.5	750	6-10	10	4	2960×1500×2480	2540	980
2000	2.0	1000	6-10	7-10	5.5	3160×1900×3500	3590	1500
2500	2.5	1250	6-10	7-8	7.5	3386×1900×3560	3650	2150
3000	3.0	1500	6-10	7-8	7.5	4450×2200×3600	3700	2500
4000	4.0	2000	6-10	7-8	11	4750×2500×3680	3730	3200

原理 Principle

该机型由容器、螺旋搅拌叶片和传动部件组成；螺旋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，形成对流混合。容积可做成圆形，以便夹套用于反应、干燥。

This machine is composed of container, screw stirring paddles and transitional parts; the screw paddle are generally made into 1 layer or 3 layers, the outer screw converge is the material to the centre front two sides, and the inner layer of screw conveys the material to the two sides from the centre, so as to form convection mixing. The cubage can be made into rotundity, so the jacket can be played in reaction and drying.

特点 Features

装载系数大、设备占地面积小。
Big coefficient of loading, small occupied area.



技术参数 Technical parameters

型号规格 Model & Specs m³	WLDH-0.1	WLDH-0.3	WLDH-0.5	WLDH-1	WLDH-1.5	WLDH-2	WLDH-3	WLDH-4	WLDH-6	WLDH-8	WLDH-10
一次混合 Mixed amount/batch Kg	30-50	100-150	200-300	400-600	600-900	800-1200	1200-1800	1600-2400	2400-3600	3200-4800	4000-6000
装机功率 Equipped power Kw	1.5-4	3-5.5	4-11	7.5-15	11-18.5	15-22	18.5-30	22-37	37-55	37-55	45-75
设备重量 Dead Weight Kg	420	850	1060	1790	1900	2750	3500	4280	5300	6800	7800

上述产品按客户要求由A₃钢或不锈钢制造。
The above-mentioned products can be made in A₃ steel or stainless steel acc. To customer's requirements.

CMM系列犁刀混合机 CMM Series Coulter Mixing Machine

概述 Descriptions

该机型由传动机构、卧式筒体、犁刀、飞刀四部分组成；物料在犁刀作用下沿筒壁作轴向流动，当物料流经飞刀时被高速旋转的飞刀抛洒，从而在较短时间内达到均匀混合。

This machine is composed of transmission apparatus, horizontal cylinder, colter flying cutter; under the action of colter, the material conducts a turbulent flow circumferentially along the cylinder wall, and the materials is thrown and sprinkled by the rotating flying-cutter at a high speed when it flows through the flying cutter, thus the material is mixed evenly in a shorter time.

特点 Features

- ◇ 混合时间短、对粒度、密度差异大的物料混合有较好的适应性。
- ◇ 结构特点特别适合加液混合和造湿粒，粒径在0.3-3mm之间。
- ◇ The mixing time is short. It has a better adaptability to the mixing of the materials, which has large differences in size and specific gravity.
- ◇ Its construction feature is that it is especially suitable for liquid adding mixing or granulating wet particle, the size is between 0.3-3mm.



技术参数 Technical parameters

型号规格 Model & Specs (m³)	LDH-0.1	LDH-0.3	LDH-0.5	LDH-1	LDH-2	LDH-4	LDH-6	LDH-8	LDH-10	LDH-12	LDH-15
一次混合 Mixed amount/batch (kg)	40-60	120-180	200-300	400-600	800-1200	1600-2400	2400-3600	3200-4800	4000-6000	4800-7200	6000-9000
装机功率 Equipped power (kw)	6	8.4	9.9	23	30.5	38	38	46	53	65	82.5
设备重量 Dead Weight (kg)	430	950	1100	1800	2520	3220	6750	7200	7500	8500	9200

上述产品按客户要求由A₃钢或不锈钢制造。
The above-mentioned products can be made in A₃ steel or stainless steel acc. To customer's requirements.

► 应 用 Applications

代餐粉、五谷粉、奶茶粉、速溶咖啡粉、调味料、中药粉、面粉、生粉、奶粉、米粉、淀粉、蛋白粉、洗衣粉等其他一切粉状物料的自动计量包装。

Automatic metering and packaging of meal substitute powder, grain powder, milk tea powder, instant coffee powder, condiments, traditional Chinese medicine powder, flour, raw powder, milk powder, rice powder, starch, protein powder, laundry powder and all other powder materials.



► 特 点 Features

- ◇采用螺杆计量机完成计量、填充、封口包装等,适用于计量粉状物料;
 - ◇采用伺服驱动系统,具有精度高、性能稳定等优点;
 - ◇不锈钢开启式料箱清理方便;
 - ◇配备安装防护,符合企业安全管理要求;
 - ◇采用智能温控,温度控制准确、保证封口美观平整;
 - ◇采用PLC双拉或单拉膜结构走纸系统,封切位置采用电机自动纠偏装置;
 - ◇超大显示触摸屏构成驱动控制核心,最大限度提高控制精度、可靠性和智能化程度;
 - ◇完善的自动报警器保护功能,帮助及时排除故障;
 - ◇包装的款式多样化,背封,插角,连袋,冲孔等;
- ◇Using screw measuring machine to complete measurement, filling, sealing packaging, etc., suitable for measuring powder materials;
- ◇Servo drive system has the advantages of high accuracy and stable performance.
- ◇Stainless steel open material box is easy to clean.
- ◇Equipped with installation protection, meet requirements of enterprise safety management;
- ◇Intelligent temperature control ensures accurate temperature control and smooth sealing.
- ◇PLC double-pull or single-pull film structure paper-moving system is adopted, and the sealing and cutting position is automatically corrected by motor.
- ◇The ultra-large display touch screen constitutes the driving control core, which maximizes the control accuracy, reliability and intelligence.
- ◇Perfect automatic alarm protection function, help troubleshooting in time.
- ◇Packing style diversification, back seal, corner insertion, even bags, punching, etc.

► 技术参数 Technical parameters

型号Model	PAP-800AF	PAP-800BF
计量范围(g)Measurement range	3-30	50-500
包装材料Packing material	OPP/PE,PET/PE,heat-sealble compound material	
制袋尺寸(mm)Bag size	L80-150*W30-100	L100-260*W60-160
包装速度(bag/min)Packing speed	25-45	25-40
电源电压Voltage	220V/50-60Hz/2.5kw	220V/50-60Hz/2.8kw
设备尺寸(L*W*H)Dimension(m)	1.1*0.9*1.6	1.1*0.9*1.9
设备重量(kg)Weight	350	450

小型全自动粉末包装机 small model full-automatic powder packaging machine.



型号Model	PAP-420	PAP-530
计量范围(g)Measurement range	10-1000	500-2000
包装材料Packing material	OPP/PE,PET/PE,heat-sealble compound material	
制袋尺寸(mm)Bag size	L80-300*W80-200	L100-330*W100-250
包装速度(bag/min)Packing speed	25-50	20-40
电源电压Voltage	220V/50-60Hz/3kw	220V/50-60Hz/3.6kw
设备尺寸(L*W*H)Dimension(m)	1.45*1*1.7	1.45*1.15*1.8
设备重量(kg)Weight	650	700

大型全自动粉末包装机 Large model full-automatic powder packaging machine



► 应 用 Applications

奶茶原料、拼配茶饮、味精、鸡精、白砂糖、调料包、瓜子、花生等小颗粒或较大物料自动计量包装。

Automatic metering packaging of milk tea raw materials, blended tea drinks, monosodium glutamate, chicken essence, sugar, seasoning bags, melon seeds, peanuts and other small particles or larger materials.

► 特 点 Features

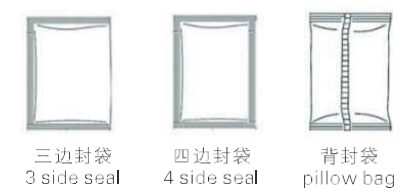
- ◇可编程序控制器, 伺服电机超大显示触摸屏构成驱动控制核心, 操作简单
- ◇完善的自动报警器保护功能, 将损耗降到最低、帮助及时排除故障;
- ◇采用智能温控器, 保证封口美观、平整; 、电子传感称重计量;
- ◇可完成单一品种下料或多品种物料的组合拼配下料;
- ◇本机可根据客户需要, 定制成三边封袋型、背封式袋型;
- ◇容积式定量与包装机相配可完成计量, 送料、充填制袋、日期打印、成品输送的全部包装过程;
- ◇计量式定量与电子称组合即可完成计量, 送料、充填制袋、日期打印、成品输送的全部包装过程;

- ◇Programmable controller and super display touch screen of servo motor form control centre, easy to operate.
- ◇Perfect automatic alarm protection function, will reduce the loss to the lowest, help timely troubleshooting;
- ◇Intelligent temperature controller is used to ensure the sealing is beautiful and smooth;
- ◇It can complete the combination of single or multi-variety materials.
- ◇The machine can be customized into three-sided and back-sealed bags according to the needs of customers.
- ◇Quantitative volumetric equipped with packaging machine,can complete the whole packaging process of metering, feeding, filling, bagging, date printing and finished product delivery.
- ◇Metering quantitative equipped with electronic weighing,can complete the whole packaging process of metering, feeding, filling, bagging, date printing and finished product transportation.

► 技术参数 Technical parameters

型号Model	SGP-800L	SGP-800D	SGP-800Z
计量范围Metering range	10-100g	1-100g	10-800g
制袋尺寸Bag size	L80-260*W60-160mm		L100-260*W80-160mm
包装速度Packing speed	25-40 bag/min	20-45 bag/min	20-40bag/min
包装材料Packing material	OPT/PE,PET/PE,all heat-sealble material		
电源功率Power	220V/50HZ/60HZ/1.8kw	220V/50HZ/60HZ/2.5kw	220V/50HZ/60HZ/2.8kw
设备外形Dimension	L1100*W900*H1950mm	L1100*W900*H1950mm	L1100*W900*H2250mm
整机重量Weight	350kg	550kg	550kg

适用袋型 Bag-seal type



样品示范 Packaging samples



► 应 用 Applications

适合不规则颗粒状、块状、条状、片状物料的自动化包装。广泛应用于食品、日用品、五金零件、医疗化工、玩具、塑料制品等行业。如各种零食(薯片、锅巴、饼干、瓜子、开心果、果冻、糖果、果蔬脆片)。

It is suitable for automatic packaging of irregular granular, block, strip and sheet materials. Widely used in food, daily necessities, hardware parts, medical and chemical industry, toys, plastic products and other industries. Such as all kinds of snacks (potato chips, potatoes, biscuits, melon seeds, pistachios, jelly, candy, fruit and vegetable crisps).

► 特 点 Features

- ◇设备配备安全防护, 符合企业安全管理要求
- ◇超大中英文触摸屏显示与控制核心, 操作直观, 简便;
- ◇采用智能温控器, 温度控制准确, 保证封口美观, 平整;
- ◇采用PC控制伺服电机, 封切位置自动纠偏、, 最大化提高控制精度、可靠性和智能化程度;
- ◇与计量配置可自动完成计量、送料、充填制袋、日期打印、充气(排气)成品输送的全部包装过程, 并自动完成计数;
- ◇完善的自动报警器保护功能, 帮助及时排除故障;
- ◇包装款式多样化: 背封, 插角, 连袋, 冲孔等;

- ◇Equipped with safety protection, meet requirements of enterprise safety management
- ◇English&Chinese touch screen display and control core, intuitive and easy to operate.
- ◇Intelligent temperature controller is used to control temperature accurately, which ensures that the sealing is beautiful and smooth.
- ◇PC is used to control the servo motor, and the sealing position is automatically corrected, so as to maximize the control accuracy, reliability and intelligence.
- ◇With the metering configuration, the whole packaging process of metering, feeding, filling, bagging, date printing and air-filled (exhaust) product transportation can be automatically completed, and the counting can be automatically completed.
- ◇Improve the protection function of automatic alarm to help troubleshoot in time;
- ◇Diversification of packaging styles: back seal, corner insertion, bagging, punching, etc.

► 技术参数 Technical parameters

型号Model	LGP-420	LGP-520	LGP-720
制袋尺寸Bag size	L80-300*W80-200	L100-400*W100-250	L100-480*W150-350
包装速度Packing speed	25-60 bag/min	25-55 bag/min	25-50 bag/min
包装材料Packing material	OPP/CPP,OPP/PE,PET/PE		
电源功率Power	3.0kw	5.25kw	5.75kw
压缩空气compressed air	6-8kg/cm3,0.12m3/min		
设备外形Dimension	L2650*W1800*H3900	L4105*W2457*H3751	L4105*W2457*H4350
整机重量Weight	1550kg	2010kg	2110kg

适用袋型 Bag-seal type



样品示范 Packaging samples



► 应 用 Applications

广泛适用于食品、医药、化工等行业的液体、膏体、酱料以及其他一切流体与半流体的自动定量包装。例如液体类(牛奶、酱油、橄榄油、蜂蜜、果汁、冰袋水、洗衣液、洗发水、沐浴露、消毒液、医用药液包等)；酱料类(番茄酱、炼乳、调味酱、芥末酱、烤肉酱、火锅酱料、方便面酱料、辣椒酱、拌面酱料等)；膏体类(洗衣膏、糯米胶、沐浴盐、酒精膏、莲蓉膏、沙拉酱、洗面奶、面霜等)。

It is widely used in automatic quantitative packaging of liquids, pastes, sauces and all other fluids and sem-fluids in food, medicine and chemical industries. For example, liquid (milk, soy sauce, olive oil, honey, fruit juice, ice bag water, laundry liquid, shampoo, bath lotion, disinfectant, medical liquid bag, etc.); sauce (tomato sauce, milk refining, seasoning sauce, mustard sauce, roast meat sauce, hot pot sauce, instant sauce, chili sauce, dressing sauce, etc.); paste (washing). Clothes paste, glutinous rice gum, bath salt, alcohol paste, lotus seed paste, salad dressing, facial cleanser, cream, etc.).



洗涤类液体 Detergent liquids



液体颜料 Liquid pigments



调味酱料 Sauce



饮料 Drinks



食用油 Edible oil



水果酱 Fruit jam

► 特 点 Features

- ◇ 伺服电机与超大显示触摸屏控制, 可编程, 操作简单;
- ◇ 本机与灌装机可完成计量、送料、充填制袋、日期打印、成品输送全部包装过程;
- ◇ 完善的自动报警器保护功能, 帮助及时排除故障;
- ◇ 采用智能温控器, 保证封口美观、平整, 切刀口并做防粘处理;
- ◇ 灌装进料采用专业防滴漏截流方式, 有效避免封口不牢的现象;
- ◇ 整机采用食品级SUS304不锈钢材质制成, 食品安全放心可靠;
- ◇ 根据要求可定做上料系统, 节省工人成本;
- ◇ Servo motor and oversize display touch screen control, programmable, easy to operate;
- ◇ The machine and filling machine can complete the whole packaging process of metering, feeding, filling and bagging, date printing and finished product transportation.
- ◇ Perfect automatic alarm protection function, help troubleshooting in time;
- ◇ Intelligent thermostat is used to ensure that the seal is beautiful and smooth, the cutting edge is cut and the anti-sticking treatment is done.
- ◇ The filling feeding adopts the professional anti-drip and leak interception method to effectively avoid the phenomenon of improper sealing.
- ◇ Whole machine material are food grade SUS304, safe and reliable for food safety.
- ◇ Customized feeding system can be made according to requirements to save labour cost.

► 技术参数 Technical parameters

型号Model	LAP-800
计量范围Measurement range	100-1000g(can custom made)
计量精度measurement accuracy	± 1% g
制袋尺寸Bag size	L(100-260mm)*W(80-160mm)
包装速度Packing speed	20-40 bag/min
电源电压Voltage	PA/PE,PET/PE heat-sealable compound material
设备尺寸Dimension	L1300*W900*H1800mm
设备重量Weight	350kg



小型液体/膏体自动包装机 Small model Liquid/Paste Automatic Packaging Machine

适用袋型 Bag-seal type



样品示范 Packaging samples



型号Model	LGP-420	LGP-520	LGP-720	LGP-900	LGP-1200
计量范围Metering range	150-500ml	150-2000ml	150-4000ml	1-25L	1.5-45L
制袋尺寸Bag size	L80-300* W80-200	L100-400* W100-250	L100-480* W150-350	L100-600* W260-430	L100-1000* W290-580
包装速度Packing speed	25-60 bag/min	25-55 bag/min	25-50 bag/min	5-20 bag/min	5-20 bag/min
包装材料Packing material	OPP/PP,OPP/PE,PET/PE				
电源功率Power	2.0kw	3kw	3kw	5kw	5kw
压缩空气compressed air	6-8kg/cm3,0.12m3/min				



大型液体/膏体自动包装机 Large model Liquid/Paste Automatic Packaging Machine

适用袋型 Bag-seal type



样品示范 Packaging samples



应用 Applications

绿茶、红茶、花草茶、花果茶、八宝茶、保健茶、中药茶、中药饮片、现磨咖啡、冷萃咖啡、袋泡咖啡等原茶颗粒状、短条状物料的定量袋泡包装。

Quantitative bagging packaging of granular and short strip raw tea materials, such as green tea, black tea, herbal tea, flower–fruit tea, Babao tea, health tea, traditional Chinese medicine tea, Chinese medicine slices,ground coffee, cold extract coffee, bagged coffee etc.



特点 Features

- ◇超声波封口切割,袋型美观且封口牢固,冲泡空间大。

◇容积式/电子秤/螺杆秤自动定量计量,可随意调整包装重量,更换包装物料。

◇采用可编程程序控制,触摸屏操作性能更稳定、操作更简单。

◇配备SMC气动元件、施耐德等低压电器,延长机器使用寿命。

◇采用电气一体化,更换数据无需停/关机。

◇挂线标茶包及无线标茶包只需更换包装材料即可实现。

◇三角立体袋与四角扁平袋生产过程中只需一键转换。
- ◇Ultrasonic sealing cutting , good appearance and strong sealing , large brewing space.

◇Volumetric/electronic scale/screw scale automatic quantitative measurement, can adjust the packaging weight at will, change packaging materials.

◇using programmable control , touch screen operation , more stable performance , simpler operation .

◇equipped with SMC pneumatic components , Schneider and other low–voltage electrical extend using life.

◇the use of electrical integration , replacement data without stopping / shutdown.

◇Hanging line tea bags and wireless tea bags can be realized simply by replacing packaging materials.

◇The triangular three–dimensional bag and rectangular flat bag production process only one key conversion.

技术参数 Technical parameters

型号Model	100SJ	100SJ/4T	100SJ/6T	100SJ/4D	100SJ/6D	100SJ/F
测量范围Measure range(g)	1-8	1-10				5-30
计量精度Measurement accuracy(g)	± 0.2	± 0.15		± 0.2		± 0.2
包装速度packing speed(bag/min)	40-50	35-45	45-60	30-40	40-50	30-45
包装材料packing material						PLA/PET
包装方式Packing method	3-side/4-corner no-trace ultrasonic wave sealing					
计量方法measurement way	Volumetric	4-head quantitative scale/6				Screw meter/electronic meter
卷材宽度Roll Width(mm)	120/140/160					160/180
材料规格material spec.(mm)	120(48*50); 140(56*58); 160(65*68); 180(75*78)					
放卷外径/内径(mm) Roll outer/inner Diameter	outer≤400; Inner=76,1 roll					
操作人数control person	1					
气源压力Air pressure(Mp)	0.6					
设备功率Power(kw)	1.8	2,8				2.5
设备尺寸Dimension(m)L*W*H	1.6*0.8*1.8	1.6*0.8*1.9		4.2*0.8*1.6		1.6*0.8*1.8
设备重量Weight(kg)	350	500	600	800		450kg

袋泡茶包/咖啡特点 Bagged tea/coffee advantage

- ◇热水冲泡后,有足够的空间让原茶、花草茶、人参茶、果粒茶等充分展开并保持茶叶原味、清香自然。

◇可多次冲泡、久泡,不损伤茶包。

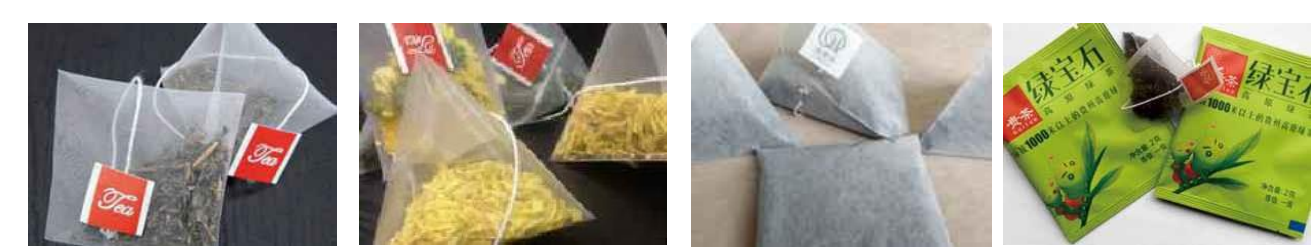
◇滤网材料经第三方食品安全,安全卫生。

◇透明的包装材料可使消费者清楚的看到茶叶原料,确信安全饮用。
- ◇After hot water brewing, there is enough space for raw tea, herbal tea, ginseng tea, fruit tea and so on to fully develop and maintain the original flavor of tea, fragrance and nature.

◇It can be brewed repeatedly and for a long time without damaging the tea bag.

◇Filter material through third–party food safety, safety and hygiene.

◇Transparent packaging materials make the raw materials of tea be clearly seen,it's sure safe for drink.



三角立体包袋泡茶内外袋分体包装机
PYRAMID TEA BAG AND ENVELOP BAG PACKAGING MACHINE

型号Model	100SJ/E
测量范围Measure range(g)	1–10
计量精度Measurement accuracy(g)	± 0.15
包装速度packing speed(bag/min)	35–45bag/min
包装材料packing material	Inner bag: nylon mesh fabric, non–woven fabric, PLA corn fiber and other ultrasonic sealing materials outer bag: heat–sealing composite material
包装方式Packing method	Inner bag: ultrasonic three–sided seamless packaging outer bag: composite material heat–sealed three–sided seamless/back seamless packaging
计量方法measurement way	4/6–head quantitative scale
包装尺寸Packing size	120mm ––inner bag(48*50mm) outer bag: > 80*90mm 140 mm––inner bag (58*60mm) outer bag: > 80*100mm 160mm––inner bag:(68*70mm) outer bag: > 90*110mm
材料规格material spec	Inner bag: 120/140/160; outer bag 160
放卷外径/内径Roll outer/inner Diameter	outer≤400mm; Inner=76mm, 2 rolls
操作人数control person	1
气源压力Air pressure	1.2Mpa
设备功率Power(kw)	3.2
设备尺寸Dimension(m)L*W*H	Inner bag machine: 1.6*0.8*1.9; outer bag machine: 1.1*0.95*1.62
设备重量Weight(kg)	900

定量电子螺旋秤 Quantitative Electronic Sprial Weighing

用于茶叶、种子、味精、饲料、芝麻等日用食品、调味品等小颗粒及小条状物料的定量称量。
Quantitative weighing of small particles and strips of materials such as tea, seeds, monosodium glutamate, feed, sesame, etc.

型号Model	ESW-4T	ESW-6T
称重范围 Weighing Range	1-10g	
称重精度 Weighing Accuracy	± 0.15g	
称重速度 Weighing Speed	35-50bag/min	45-60bag/min
配料种类 Ingredients types	1-2	1-3
功率 Power	1.6kw/220V/50-60Hz	2.4kw/220V/50-60Hz
外形 Dimension	L750*W550*H750mm	L750*W550*H750mm
重量 Weight	130kg	180kg



定量电子振动盘秤 Quantitative Electronic Vibration Plate

用于茶叶、种子、味精、饲料、芝麻等日用食品、调味品等小颗粒及小条状物料的定量称量。
Weighing Of Small Particles And Strips Of Materials Such As Tea, Seeds, Monosodium Glutamates, Feed, Sesame, Etc.

型号Model	ESW-4T	ESW-6T
称重范围 Weighing Range	1-20g	
称重精度 Weighing Accuracy	± 0.2g	
称重速度 Weighing Speed	20-40bag/min	30-50bag/min
配料种类 Ingredients types	1-4	1-6
功率 Power	1.6kw/220V/50-60Hz	2.4kw/220V/50-60Hz
外形 Dimension	L1200*W700*H600mm	L1200*W1100*H600mm
重量 Weight	150kg	220kg



螺杆计量机 Screw measuring machine

用途: 适用于粉状物料的计量,如奶粉、奶茶、食品添加剂、化工粉剂
速度: 20-60次/分钟
称量范围: 2g-2000g/每次
Usage: Suitable for measuring powder materials, such as milk powder, milk tea, food additives, chemical powder
speed: 20-60 times/minute
weighing range: 2g-2000g/time



膏体液体计量装置 Sauce liquid metering device

用途: 用于膏体、液体、半流体、粘稠物料、酱料定量灌装计量
Usage: Quantitative filling measurement of paste, liquid, semi-fluid, viscous material and sauce
灌装速度:20-40次/分 Filling speed: 20-40 times/min
灌装精度:≤ ± 1 % Filling accuracy: ≤ ± 1 %
机器材质:不锈钢 Machine material: Ss304



组合定量秤 Combined Quantitative Weighing

适用于糖果、瓜子、薯片、开心果、花生、果仁、果脯果冻、冷冻汤圆、饼干、密饯、樟脑丸、葡萄干、杏仁、巧克力、坚果、谷物、宠物食品、膨化食品、小五金件、塑料件等各种颗粒状、片状、条状、不规则形状的物料定量称量。

Quantitative weighing of candy, melon seeds, potato chips, pistachios, peanuts, nuts, preserved jelly, frozen dumplings, biscuits, preserved fruit, camphor balls, raisins, almonds, chocolate, nuts, cereals, pet food, puffed food, small hardware, plastic and other granular, flaky, strip and irregular shaped materials.

型号Model	CQW-Z10
单词称量范围Single Weighing Range	10-1000g
最大称重质量Max Weighing Quality	3000g
带带均误差Single bag average error	0.2-0.5g
称重精度范围 Weighing Accuracy Range	0.1-1.5g
最大称重速度Maxing Weighing Speed	70bag/min
料斗容量 Hopper Capacity	1300ml
料斗形式 Hopper Form	Dual row memoryless hopper
驱动方式 Driving Method	Stepper motor
产品预设数 Product presets	99 types
尺寸 Dimension(L*W*H)	1150*950*1130mm
操作界面 Operation interface	5.7 inch colour LCD Display



Z字提升机 Z-type Hoist

垂直提升: 90度输送节省占地面积,降低动力损耗
配套: 包装机,多头称
输送量: 4000-7200升/小时;
提升高度: 2m-6m(客户定制)
Vertical lifting: 90 degree conveying saves area and reduces power loss;
Supporting equipment: packing machine /multi-head weighing.
Transport capacity: 4000-7200 liters/hour;
Elevation Height: 2m-6m (Customization)



成品输送机 Finished products conveyor

类型: 皮带式输送
配套: 包装机
Type: Belt conveyor
Matching: Packing Machine



螺旋上料机 Screw Feeder

适用物料: 各种粉料,小颗粒料
输送量: 4立方米/小时
料箱容积: 220升
Applicable Material: Various Powders, Small Particles
Transport capacity: 4 cubic meters per hour
Tank volume: 220 liters

