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PRODUCTS SERVICE MANUAL



固体制剂设备

食品 制药 化工
产品总览

Food & Pharmaceutical & Chemical industry
Product overview



浙江健牌机械科技有限公司
Zhejiang Jianpai Machinery Technology Co., Ltd

<http://www.cnjianpai.com>

COMPANY INTRODUCTION

浙江健牌机械科技有限公司创建于一九九七年，是国内知名的固体制剂设备供应商。健牌科技专注固体制剂装备领域近三十年，可为全球客户提供片剂、丸剂、颗粒剂、胶囊剂等一站式数智化固体制剂生产解决方案。企业为国家级高新技术企业，国家火炬计划项目承担单位，浙江省专精特新企业，浙江制造标准认定单位，中国制药装备行业协会理事单位，中国医药工程设计协会理事单位，全国工商联药业商会制药装备专业委员会常务主任单位，浙江省高新技术特色产业基地骨干企业，浙江省工商AAA级重合同守信用单位，温州市食品制药机械行业协会常务副会长单位。曾荣获全国十佳制药装备民族品牌、浙江省工业大奖项目奖等荣誉。公司已通过ISO9001质量体系认证、环境质量体系认证、职业健康体系认证，产品通过CE认证。

Zhejiang Jianpai Machinery Technology Co., Ltd. was founded in 1997, is a well-known domestic solid preparation equipment supplier. Jianpai Technology has focused on the field of solid preparation equipment for nearly 30 years, and can provide global customers with one-stop digital intelligent solid preparation production solutions such as tablets, pills, granules and capsules. The enterprise is a state-level high-tech enterprise, the national Torch Plan project undertaking unit, Zhejiang Province specialized and special new enterprise, Zhejiang manufacturing standard certification unit, China Pharmaceutical Equipment Industry Association governing unit, China Pharmaceutical Engineering Design Association governing unit, the National Federation of Industry and Commerce Pharmaceutical equipment Professional Committee Executive director unit, Zhejiang high-tech industrial base backbone enterprise, Zhejiang industry and commerce AAA level contract and trustworthy units, Wenzhou food and pharmaceutical machinery industry Association executive vice president units. Has won the national top ten pharmaceutical equipment national brand, Zhejiang Province Industry Award project award and other honors. The company has passed ISO9001 quality system certification, environmental quality system certification, occupational health system certification, products through CE certification.

客户群体

Customer group

健牌科技在行业内深耕多年，凭借卓越的产品与服务，与数千家国内外大型知名企业建立了稳固且长期的合作关系：如与新华制药共同打造现代医药合作中心项目（通过中国 NMPA、英国 MHRA、美国 FDA 以及欧盟等权威机构的 GMP 认证）、扬子江药业集团、广药集团，上药集团、国药集团、哈药集团、修正药业、葵花药业、罗欣药业、贵州百灵、复星医药集团、福瑞达医药集团、海王集团、康弘药业、盘龙药业、养生堂、医院项目（西安中医院、延安中医院、宝鸡中医院、襄阳中医院）等。产品远销美国、加拿大、欧洲、非洲、中东、东南亚等 30 多个国家和地区。

Jianpai Technology has been in the industry for many years, with excellent products and services, and thousands of large and well-known enterprises at home and abroad to establish a stable and long-term cooperative relationship: For example, with Xinhua Pharmaceutical to jointly build a modern medicine cooperation center project (through the GMP certification of China's NMPA, the UK MHRA, the US FDA and the EU and other authoritative institutions), Yangzijiang Pharmaceutical Group, Guangzhou Pharmaceutical Group, Shanghai Pharmaceutical Group, Sinopharm Group, Harbin Pharmaceutical Group, Revised Pharmaceutical, Sunflower Pharmaceutical, Luo Xin Pharmaceutical, Guizhou Bailing, Fosun Pharmaceutical Group, Freda Pharmaceutical Group, Haiwang Group, Kanghong Pharmaceutical, Panlong Pharmaceutical, Yangshengtang, Hospital projects (Xi 'an Hospital of Traditional Chinese Medicine, Yan 'an Hospital of Traditional Chinese Medicine, Baoji Hospital of Traditional Chinese Medicine, Xiangyang Hospital of Traditional Chinese Medicine), etc. Products are exported to the United States, Canada, Europe, Africa, the Middle East, Southeast Asia and other more than 30 countries and regions.

1997

1997年成立
固体制剂设备供应商

Established in 1997
Solid preparation equipment supplier

35000

35000平方
公司占地面积

35000 square meters
Company Floor Area

10,000+

10000+
设备累计销售(台)

10000+
Cumulative Sales

2000+

2000多位
服务客户

More than 2000
Serve customers

130+

130多项
国家专利

More than 130
National patent

30+

30多个
销售国家

More than 30
Country of sale

20+

省级工业
新产品项目

Provincial industry
New product project

5

高校产学研
合作项目

University
Cooperation





生产实力 PRODUCTION STRENGTH

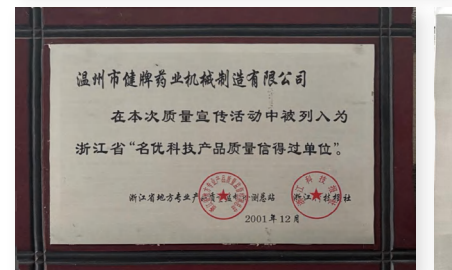
健牌科技不断引入先进制造工艺设备，定期组织员工质量培训，持续推进质量改善，通过对生产流程的精益化设计，提高了对生产过程的周密管理，有效利用工艺流程，专用测试及工艺设备，结合产品追溯系统，保障产品完整的制造性与使用性。

Jianpai technology continuously introduces advanced manufacturing process equipment, regularly organizes staff quality training, and continuously promotes quality improvement. Through the lean design of the production process, it improves the careful management of the production process, effectively uses the process flow, special testing and process equipment, and combines the product traceability system to ensure the complete manufacturability and usability of the product.



企业荣誉
Corporate Honors

120+ 专利证书
Patent certificate



100+ 荣誉证书

工程案例 Engineering Cases

健牌科技拥有一支专业安装调试以及售后团队。团队理论知识扎实，实操经验丰富，深耕行业近三十年，服务超过 2000 家客户，积累了数千个项目案例，足迹遍布全球30多个国家和地区。团队不仅能为客户提供从安装、调试到培训、维修的一站式服务，还可凭借深厚的专业功底，协助客户制定并优化工艺参数，全方位满足客户的多元需求。

Jianpai Technology has a professional team dedicated to installation, debugging, and after-sales services. The team members have a solid foundation of theoretical knowledge and rich practical experience. Having been deeply engaged in the industry for nearly thirty years, they have served over 2,000 customers, accumulated thousands of project cases, and left their footprints in more than 30 countries and regions around the world. The team is not only capable of providing customers with one-stop services ranging from installation and debugging to training and maintenance but can also, with their profound professional expertise, assist customers in formulating and optimizing process parameters, comprehensively meeting the diverse needs of customers.



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固体制剂设备

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配套设备

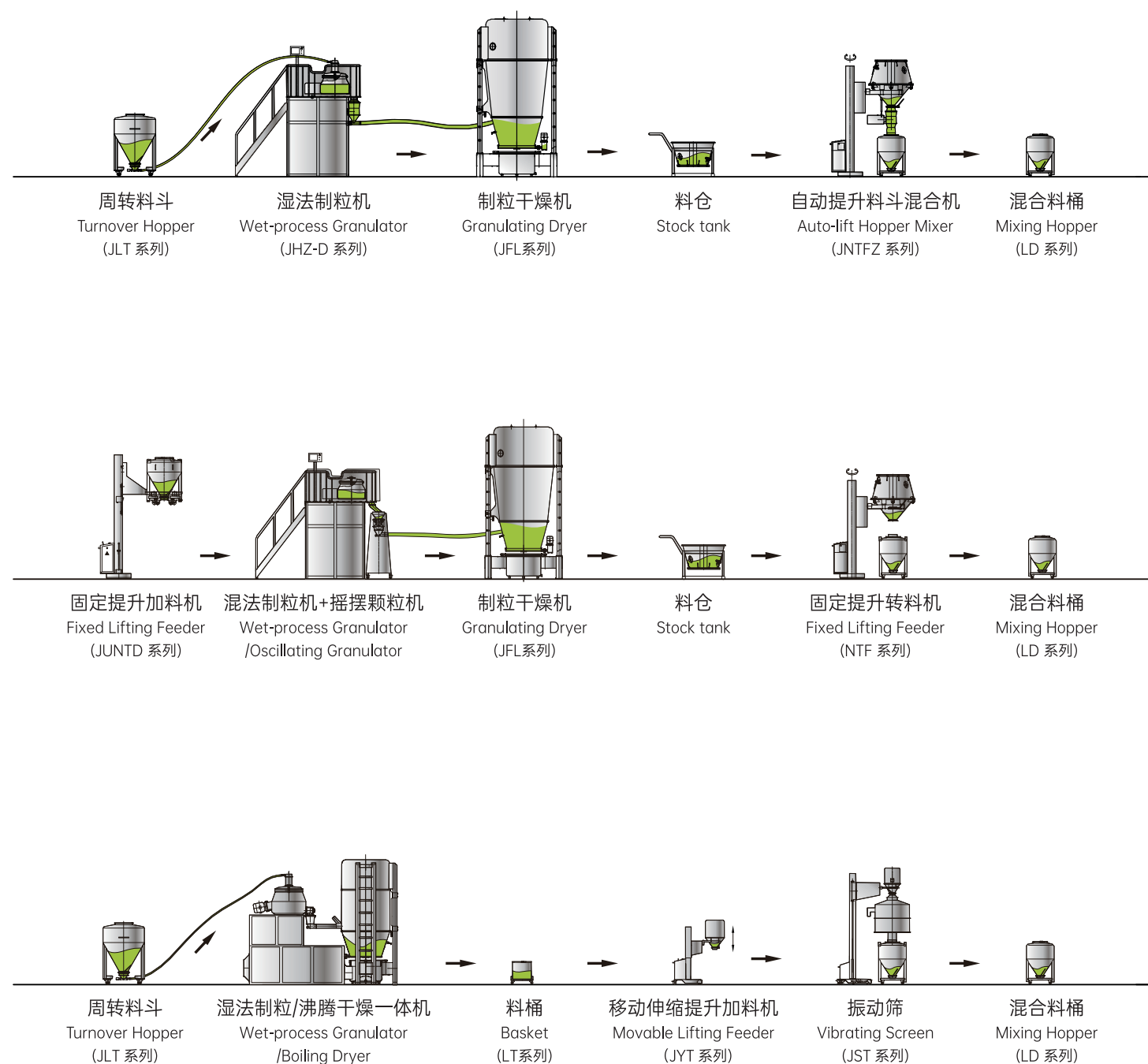
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固体制剂工艺流程图:

Solid preparation process flow chart:

根据制药企业的生产情况，目前固体制剂主要有以下几种生产工艺：

According to the production situation of pharmaceutical enterprises, the current solid preparation mainly has the following production processes:



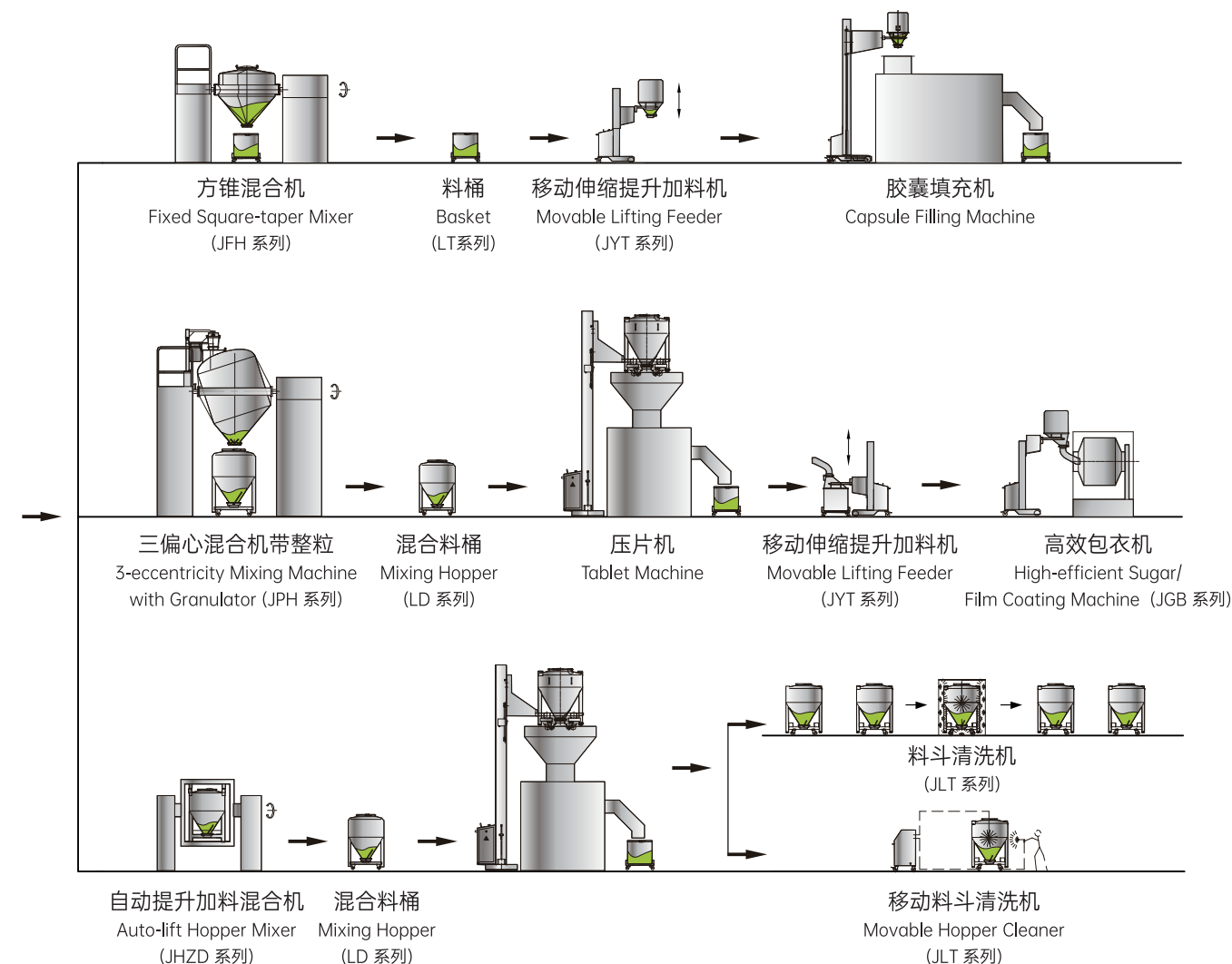
先进制造工艺 高效灵活的定制化服务

Advanced manufacturing technology
Efficient and flexible customized services

技术支持
Technical support 

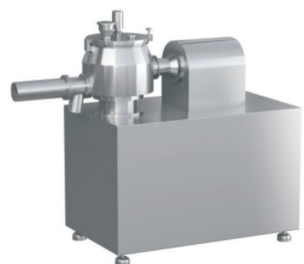
根据您的实际情况
提供高效灵活的定制化服务, 满足您的不同生产需求

According to your actual situation,
Provide efficient and flexible customized services, Meet your different production needs





JGF-B系列 高效粉碎机
Model JGF-B Series High-efficient Grinder



JHZ-K系列 实验室湿法制粒机
Model JHZ-K Series Lab Wet-process Granulator



JHZ-D系列 高效湿法制粒机
Model JHZ-D Series High-efficient Wet-process Granulator



JYK系列 摇摆式颗粒机
Model JYK Series Oscillating Granulator



JZL系列 门式整粒机
Model JZL Series Door Type Granulator



JGF-C系列 高效粉碎机
Model JGF-C Series High-efficient Grinder



JFL系列 高效沸腾制粒机
Model JFL Series High-efficient Boiling Granulator



JHZ-C系列 高效湿法制粒机
Model JHZ-C Series High-efficient Wet-process Granulator



JFZ-B系列 粉碎整粒机
Model JFZ-B Series Grinding Granulator



JZKS系列 移动式真空上料机
Model JZKS Series Movable Vacuum Feeder



JFG-C系列 高效沸腾干燥机
Model JFG-C Series High-efficient Boiling Drying Machine



JNTFZ系列 固定式提升翻转整粒机
Model JNTFZ Series Fixed Feeder & Granulator



JZLT系列 提升整粒机
Model JZLT Series Lifting Granulator



JYT系列 移动式提升加料机
Model JYT Series Movable Feeder



JPH 系列三偏心混合机
Model JPH Series 3-eccentricity Mixing Machine



JGDG系列 多功能动态干燥机(颗粒、丸剂)
Model JGDG Series Multit-Function Dynamic Drying Machine



JNTF系列 固定提升转料机
Model JNTF Series Fixed Feeder & Granulator



JNTD 系列 料斗提升加料机
Model JNTD Series Hopper Chargin Elevator



JNTC系列 层间提升机
Model JNTC Series Interlayer Elevator



JSH-B系列 三维运动混合机
Model JSH-B Series 3D Motion Mixing Machine



JHSD系列 实验室料斗混合机
 Model JHSD Series Laboratory Hopper Mixing Machine



JFH系列 固定式（方锥）混合机
 Model JHGD Series Fixed Square-taper Mixing Machine



JHSD系列 自动提升料斗混合机
 Model JHSD Series Auto-lift Hopper Mixer



JGB-C系列 高效糖衣·薄膜包衣机
 Model JGB-C Series High-efficient Sugar/ Film Coating Machine



JGB-E系列 高效糖衣·薄膜包衣机
 Model JGB-E Series High-efficient Sugar/ Film Coating Machine



无菌式混合机
 Sterile Mixer



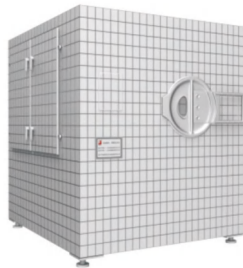
JHYD系列 对夹式料斗混合机
 Model JHYD Series Double-clip Type Hopper Mixer



JHTD系列 柱式提升料斗混合机
 Model JHYD Series Double-clip Type Hopper Mixer



JGB-D系列 高效糖衣·薄膜包衣机
 Model JGB-D Series High-efficient Sugar/ Film Coating Machine



JGB-E系列 大容量包衣机
 JGB-E Series Large Capacity Coating Machine



JGB/WH 系列 高效包衣机（微孔）
 Model JGB/WH Series High-efficiency Micro-pore Coating Machine



JZB-B系列 离心造粒包衣机
 Model JZB-B Series Centrifugal Granulating Coating Machine



JLB系列 流化制粒包衣机
 Model JLB Series Fluid-bed Granulating Coating Machine



JLT系列 移动料斗清洗机
 Model JTX Series Hopper Cleaning Machine



夹层锅
 Jacketed Pan



JGB/W系列 高效包衣机（无孔）
 Model JGB/W Series High-efficiency Imperforate Coating Machine



JGB/K系列 换筒式包衣机
 JGB-K Series Drum-changeable Coating Machine



JTX系列 料斗清洗机
 Model JTX Series Hopper Cleaning Machine



全封闭式制粒干燥混合联动线
 Totally-enclosed Granulating Production Line



ZTG系列 自动糖浆配输罐
 Model ZTG Sries Automatic Syrup Distribution Tank

JGF-B系列 高效粉碎机

Model JGF-B Series High-efficient Grinder

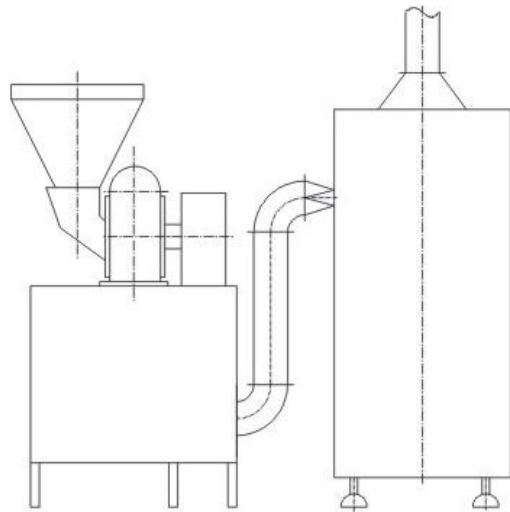


特点:

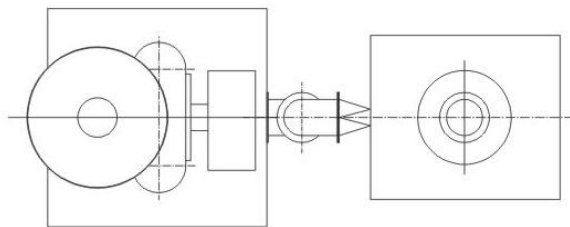
该设备广泛应用于中西药、食品、化工等行业，适用于干燥脆性的化工材料、中药材及结晶体等块状类物料粉碎。设备具有效率高、性能好、易清洗及操作简便等特点，完全符合制药工业"GMP"要求。

Features :

This equipment is used widely in industrles of Chinese and western medicine, food, chemistry,etc. Itis applicable for puiverizing dry and crisp chemical materials, Chinese herbal medicine, crystalline and other nubby materials. It has features of high-efficiency, good performance,easy cleaning and convenient operation, etc. It completely conforms with the GMP requirements of pharmacy industry.



【专利一项】



JGF-B系列 高效粉碎机

Model JGF-B Series High-efficient Grinder



工作原理:

粉碎原理:由于传动刀盘与固定齿盘的相对高速运动;使刀、齿盘中心产生较强的向外扩散力。在该力的作用下，物料产生冲击、摩擦、剪切、碰撞及气流研磨等效果，使其得以磨碎。同时通过设备自身的气流作用，使物料经筛网由机腔内排出以达到最佳效果。该机全部采用优质304或316L不锈钢制作。

Working theory :

The pulverizing theory: Strong outward spreading force can be generated through the high-speed relative motion of the driven knife plate and the fixed fluted disc. Under his force, the materials are pulverized by striking, clashing, shearing, crashing and airflow grinding,etc. Meanwhile,processed materials are discharged through the screen mesh from the chamber of the machine, to achieve the best effect. The machine is made of high quality 304 or 316L stainless steel.

主要技术参数 Main Technical Paramerers:

型号			JGF-200B	JGF-300B	JGF-400B	JGF-600B
生产能力	Production Capacity	Kg/h	40-150	100-350	150-600	200-1300
进料粒度	Feeding Granularity	mm	Φ 6	Φ 6	Φ 10	Φ 10
粉碎细度	Mesh	目/ mesh	40-120	40-120	40-120	40-120
转速	Rotatinal Speed	rpm	4500	3700	3400	2900
主功率	Main Power	Kw	4	5.5	11	18.5
主机重量	Weight of Main Machine	Kg	200	350	550	700

注:配除尘装置请在签订合同里注明

*客户需索取详细技术资料，请联系电话86-0577-86932456。For detailed technical information, please contact us at: +86 0577-86932456 Email: jp@cnjianpai.com

JGF-C系列 高效粉碎机

Model JGF-C Series High-efficient Grinder

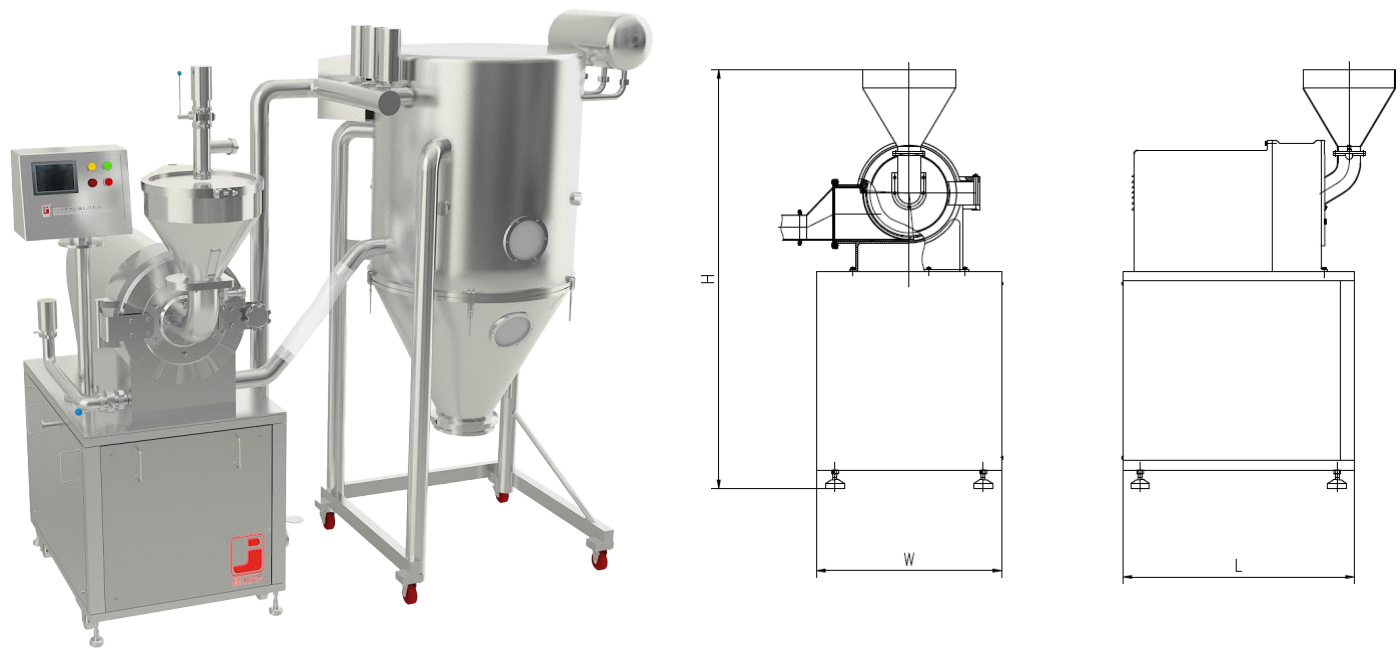


特点:

该粉碎机广泛应用于中西药、食品、化工等行业，适用于干燥脆性的化工材料、中药材及结晶体等块状类物料粉碎。它具有两大机构，六大功能：双切式粉碎功能，粉体自动分流功能，可换式过筛功能，自动联动输送功能，物料密闭储存功能，除尘清洗功能。设备具有效率高、性能好、易清洗及操作简便等特点，是物料粉碎的首选产品。该设备完全符合制药工业“GMP”要求。

Features :

This equipment is used widely in industries of Chinese and western medicine, food, chemistry, etc. It is applicable for pulverizing dry and crisp chemical materials, Chinese herbal medicine, crystalline and other nubby materials. It is composed of two systems with six functions, including double-cut pulverizing function, automatic powder flow function, removable mesh, automatic transporting function, airtight material storage function and dust cleaning function. It has features of high efficiency, good performance, easy cleaning and convenient operation, etc, which makes it become the preferred material pulverizing equipment. It completely conforms with the GMP requirements of pharmacy industry.



【专利三项】



JGF-C系列 高效粉碎机

Model JGF-C Series High-efficient Grinder



工作原理:

粉碎传动时电机与主轴直连传动，双切多级刀盘与双向固定齿盘、固定齿圈产生相对、相切高速运动，物料进腔后经双切多级刀盘中心向外扩散，产生冲击、摩擦、剪切、碰撞及气流研磨等效果，使其得以磨碎。并且在离心风机的负压作用下，机腔内吸入大量空气，设备具有了冷却、研磨、输送物料的功能。另外物料在经片筛网内腔进行分流时，过筛后细粉自动输送到密闭储存罐内储存，粗粉回流到腔内进行二次处理重新分流，达到物料粉碎的最佳效果。该机全部采用优质304或316L不锈钢制作。

Working theory :

During the pulverizing driving, high-speed relative and tangential motion can be generated among multistage knife plate, fixed bothway fluted disk and fixed gear ring. The materials will be pulverized through striking, clashing, shearing, crashing and airflow grinding after being spread outwardly from the center of multistage knife plate in the machine body. Under negative pressure generated by centrifugal fan, a large quantity of air will be inhaled into the chamber. It has functions of cooling, grinding and material transporting. When the materials flow through the screen mesh, the fine powder will be automatically transported to airtight storage tank, and thicker powder will flow back to the chamber to be processed again, so as to reach the best effect of pulverizing. The machine is made of high quality 304 or 316L stainless steel.

主要技术参数 Main Technical Paramerers:

型号			JGF-200C	JGF-300C	JGF-500C	JGF-600C	JGF-800C
生产能力	Production Capacity	Kg/h	40-200	100-300	150-500	200-600	300-800
进料粒度	Granularity Of Maretial	mm	Φ8	Φ8	Φ10	Φ12	Φ12
粉碎细度	Mesh No. Of Pulverizer	目/ mesh	40-120	40-120	40-120	40-120	40-120
转速	Revolving Speed	rpm	0-3300	0-3300	0-3300	0-3300	0-3500
主功率	Main Power	Kw	4	7.5	11	15	18.5
主机重量	Machine Weight	Kg	230	400	500	650	800
注：JGF-C型：单机；JGF-C1型：单机+除尘机组；JGF-C2型：单机+除尘机组+过筛装置+自动来回装置。如果细目数要求，推荐使用JGF-C2型。							

*客户需索取详细技术资料，请联系电话86-0577-86932456。For detailed technical information, please contact us at: +86 0577-86932456 Email: jp@cnjianpai.com

JHZ-D系列 高效湿法制粒机

Model JHZ-D Series High-efficient Wet-process Granulator



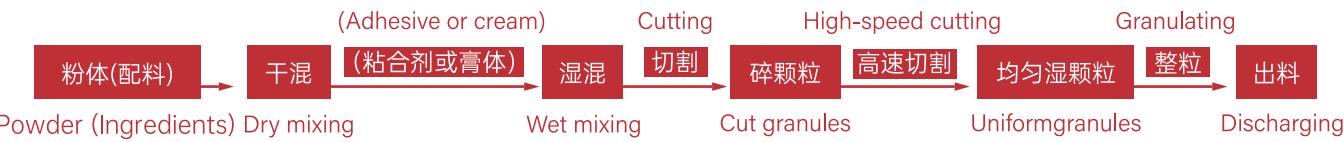
特点:

- 主体桶：采用圆柱体与锥形体相切结构，有助于物料的翻滚，并且搅拌桨、切粒刀几何角度设计合理、保证了混合制粒的最佳效果。
- 切粒刀与直桶壁成倾斜角度安装，既可有效增大切粒刀与物料的切粒范围，提高了颗粒均匀度；同时由于切粒刀的倾斜安装，可以避免物料飞溅到桶盖上，克服了传统切粒时湿颗粒会粘附于桶盖上的弊病。
- 每批制粒工效比传统工艺提高4-5倍。
- 全工艺过程在同一封闭容器内完成干湿、湿混制粒，较传统工艺减少25%粘合剂，干燥时间缩短。
- 操作控制系统：由微机控制，触摸屏操作，并能储存多套工艺数据。切粒刀变频调速，可任意调节其转速，能满足不同品种的制粒要求。

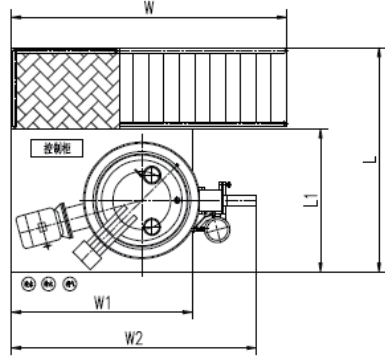
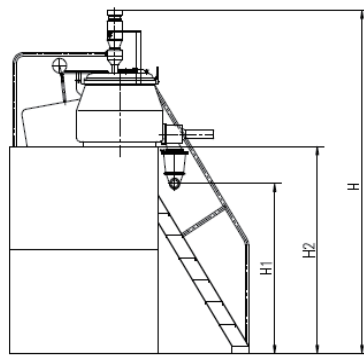
Features :

- Main barrel: It adopts a tangential structure between a cylinder and a cone, which helps to roll the material. The geometric angles of the stirring paddle and cutting blade are designed reasonably to ensure the best mixing and granulation effect.
- The installation of the cutting knife at an inclined angle with the straight barrel wall can effectively increase the cutting range between the cutting knife and the material, and improve particle uniformity; At the same time, due to the inclined installation of the cutting blade, it can avoid material splashing onto the barrel lid, overcoming the disadvantage of wet particles adhering to the barrel lid during traditional cutting.
- The efficiency of each batch of granulation is improved by 4-5 times compared to traditional processes.
- The entire process completes dry and wet mixing granulation in the same closed container, reducing adhesive by 25% compared to traditional processes and shortening drying time.
- Operation control system: controlled by a microcomputer, operated by a touch screen, and capable of storing multiple sets of process data. The variable frequency speed control of the cutting blade can be adjusted arbitrarily to meet the granulation requirements of different varieties.

其工艺:



【专利三项】



JHZ-D系列 高效湿法制粒机

Model JHZ-D Series High-efficient Wet-process Granulator



工作原理:

粉料在锥柱体容器内，经底部搅拌器充分搅拌，同时通过压力喷淋粘合剂（或者膏体），使物料混合成湿润碎状软材，然后再经侧置的高速制粒刀切割成均匀的湿颗粒，出料时经整粒机再次整粒作用，控制颗粒目数，以达到各种颗粒的要求。

Working theory :

The powder is thoroughly stirred in a conical cylindrical container through a bottom mixer, and at the same time, the material is mixed into a wet and fragmented soft material through pressure spraying of adhesive (or paste). Then, it is cut into uniform wet particles through a high-speed granulation knife on the side. The discharge is also subjected to the granulation function of a granulator to control the particle size and meet the requirements of various particles. Its process:

用途:

JHZ-D型系列湿法制粒机（又名：湿法混合制粒机）是食品制药、化工业制剂生产中对药粉、淀粉、粘合剂及膏体进行湿法混合制粒的专用设备。也适应于粉状物料混合与制粒。该机是我公司在原来的JHZ-C系列湿法混合制粒机的基础上进行最新研发，它能更好地满足固体制剂生产的工艺需要，采用优化奥氏体304不锈钢制作，设有操作平台、楼梯和安全护栏。采用PLC控制，变频调速，全部操作可根据用户要求设定工艺参数，原始记录真实可靠。既能单机使用，也能与配套线联动使用。完全符合药品生产的“GMP”需求。

Application:

JHZ-C series wet granulation machine (also known as wet mixing granulation machine) is a specialized equipment for wet mixing granulation of pharmaceutical powder, starch, adhesive, and paste in the production of food, pharmaceutical, and chemical industrial formulations. It is also suitable for mixing and granulation of powdered materials. This machine is the latest research and development of our company based on the original JHZ-C series wet mixing granulator. It can better meet the process needs of solid preparation production, and is made of optimized austenitic 304 stainless steel. It is equipped with an operating platform, stairs, and safety barriers. Adopting PLC control and variable frequency speed regulation, all operations can be set with process parameters according to user requirements, and the original records are true and reliable. It can be used alone or in conjunction with supporting lines. Fully meets the "GMP" requirements for drug production.

主要技术参数 Main Technical Paramerers:

型号			JHZ-50D	JHZ-100D	JHZ-150D	JHZ-260D	JHZ-400D	JHZ-600D	JHZ-800D
公称容量	Volume	L	50	100	150	250	400	600	800
投料量	Feed Capacity	Kg	20-40	30-80	60-120	70-200	160-320	240-480	320-640
搅拌功率	Mixing Power	Kw	7.5	7.5	11	15	22	37	45
搅拌转速	Stirring Speed	rpm	0-570	0-280	0-260	0-230	0-169	0-150	0-130
切粒功率	Granulation Power	Kw	2.2	2.2	3	4	7.5	11	15
切粒转速	Impeller Speed	rpm					1000-2900	0-2900	
整粒功率	Miller Power	Kw	1.5	4			5.5		
整理转速	Miller Speed	rpm	1600	1600			960		
气源压力	Comp-air Pressure	Mpa	0.6						
整机重量	Machine Weight	Kg	1000	1300	1800	2600	3200	5500	6000

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JHZ-C系列 高效湿法制粒机

Model JHZ-C Series High-efficient Wet-process Granulator



特点:

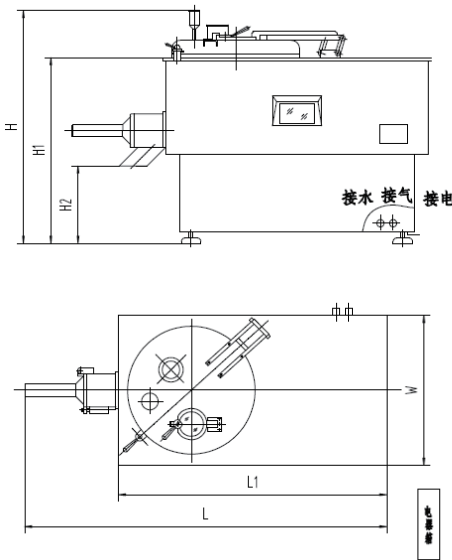
- 主体桶：采用圆柱体与锥形体相切结构，有助于物料的翻滚，并且搅拌桨、切粒刀几何角度设计合理、保证了混合制粒的最佳效果。
- 切粒刀与直桶壁成倾斜角度安装，既可有效增大切粒刀与物料的切粒范围，提高了颗粒均匀度；同时由于切粒刀的倾斜安装，可以避免物料飞溅到桶盖上，克服了传统切粒时湿颗粒会粘附于桶盖上的弊病。
- 每批制粒工效比传统工艺提高4-5倍。
- 全工艺过程在同一封闭容器内完成干湿混、湿混制粒，较传统工艺减少25%粘合剂，干燥时间缩短。
- 操作控制系统：由微机控制，触摸屏操作，并能储存多套工艺数据。切粒刀变频调速，可任意调节其转速，能满足不同品种的制粒要求。

Features :

- Main barrel: It adopts a tangential structure between a cylinder and a cone, which helps to roll the material. The geometric angles of the stirring paddle and cutting blade are designed reasonably to ensure the best mixing and granulation effect.
- The installation of the cutting knife at an inclined angle with the straight barrel wall can effectively increase the cutting range between the cutting knife and the material, and improve particle uniformity; At the same time, due to the inclined installation of the cutting blade, it can avoid material splashing onto the barrel lid, overcoming the disadvantage of wet particles adhering to the barrel lid during traditional cutting.
- The efficiency of each batch of granulation is improved by 4-5 times compared to traditional processes.
- The entire process completes dry and wet mixing granulation in the same closed container, reducing adhesive by 25% compared to traditional processes and shortening drying time.
- Operation control system: controlled by a microcomputer, operated by a touch screen, and capable of storing multiple sets of process data. The variable frequency speed control of the cutting blade can be adjusted arbitrarily to meet the granulation requirements of different varieties.



【专利三项】



JHZ-C系列 高效湿法制粒机

Model JHZ-C Series High-efficient Wet-process Granulator



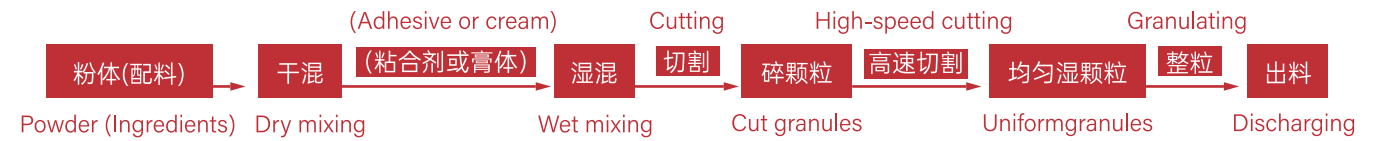
工作原理:

粉料在锥柱体容器内，经底部搅拌器充分搅拌，同时通过压力喷淋粘合剂（或者膏体），使物料混合成湿润碎状软材，然后再经侧置的高速制粒刀切割成均匀的湿颗粒，以达到各种颗粒的要求。

Working theory :

The powder is fully stirred in a conical cylindrical container through a bottom mixer, and at the same time, the material is mixed into a wet and fragmented soft material through pressure spraying of adhesive (or paste). Then, it is cut into uniform wet particles through a high-speed granulation knife on the side to meet the requirements of various particles. Its process:

其工艺:



用途:

JHZ-C型系列湿法制粒机（又名：湿法混合制粒机）是食品制药、化工业制剂生产中对药粉、淀粉、粘合剂及膏体进行湿法混合制粒的专用设备。也适应于粉状物料混合与制粒，设备与物料接触部分及外表面全部采用优质304不锈钢制造。符合制药工业“GMP”要求。

Application:

JHZ-C series wet granulation machine (also known as wet mixing granulation machine) is a specialized equipment for wet mixing granulation of pharmaceutical powder, starch, adhesive, and paste in the production of food, pharmaceutical, and chemical industrial formulations. It is also suitable for mixing and granulating powder materials, and the equipment and material contact parts and external surfaces are all made of high-quality 304 stainless steel. Complies with the "GMP" requirements of the pharmaceutical industry.

主要技术参数 Main Technical Paramerers:

型号			JHZ-150C	JHZ-260C	JHZ-400C	JHZ-600C
公称容量	Volume	L	150	250	400	600
投料量	Feed Capacity	Kg	30-60	60-100	100-200	150-300
搅拌功率	Mixing Power	Kw	9-11	11-14	22	37
搅拌转速	Stirring Speed	rpm	140-210	0-210	110-170	0-170
制粒功率	Main Power	Kw	3	4	7.5	11.5
制粒转速	Granulation Power	rpm	2900	2900	2500	2500
气源压力	Air-source Pressure	Mpa	0.4			
整机重量	Machine Weight	Kg	1300	1500	1850	2350
L			2230	2400	2480	3000
L1			1660	1831	1910	2400
W			770	940	1050	1300
H			1625	1645	1845	2400
H1			1155	1175	1355	1630
H2			530	655	850	720

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JHZ-K系列 实验室湿法制粒机

Model JHZ-K Series Lab Wet-process Granulator

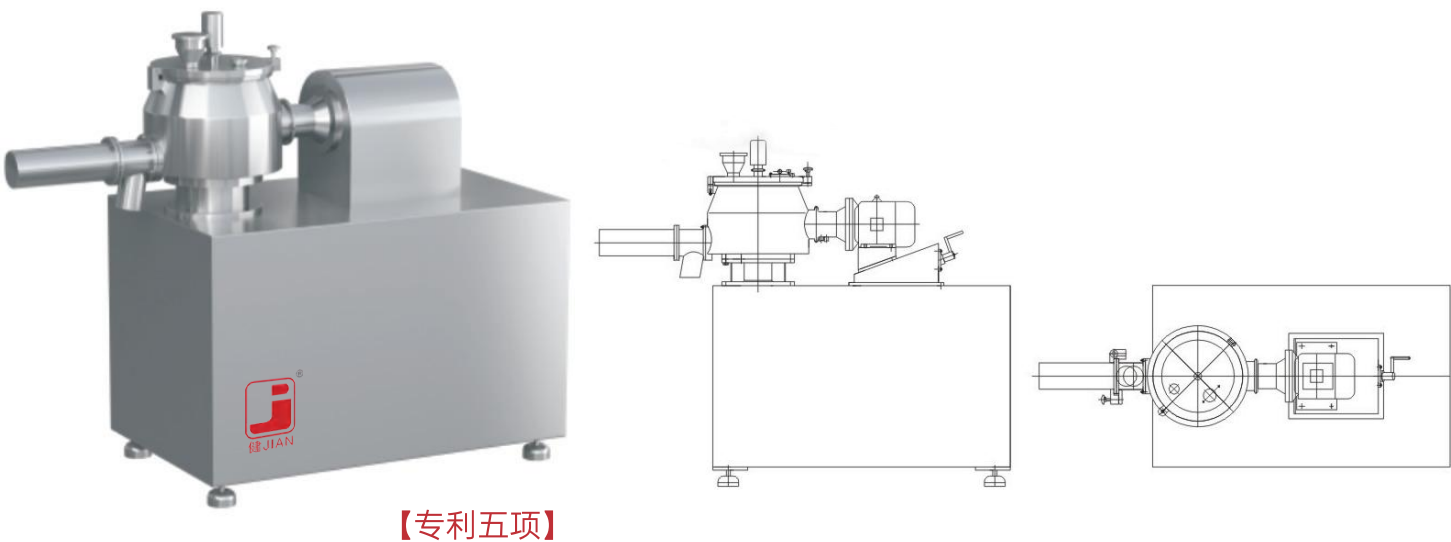


特点:

- 主体桶：采用圆柱体与锥形体相切结构，有助于物料的翻滚，并且搅拌桨、切粒刀几何角度设计合理、保证了混合制粒的最佳效果。
- 切粒刀与直桶壁成倾斜角度安装，既可有效增大切粒刀与物料的切粒范围，提高了颗粒均匀度；同时由于切粒刀的倾斜安装，可以避免物料飞溅到桶盖上，克服了传统切粒时湿颗粒会粘附于桶盖上的弊病。
- 每批制粒工效比传统工艺提高4-5倍。
- 全工艺过程在同一封闭容器内完成干湿混、湿混制粒，较传统工艺减少25%粘合剂，干燥时间缩短。
- 操作控制系统：由微机控制，触摸屏操作，并能储存多套工艺数据。切粒刀变频调速，可任意调节其转速，能满足不同品种的制粒要求。

Features :

- Main barrel: It adopts a tangential structure between a cylinder and a cone, which helps to roll the material. The geometric angles of the stirring paddle and cutting blade are designed reasonably to ensure the best mixing and granulation effect.
- The installation of the cutting knife at an inclined angle with the straight barrel wall can effectively increase the cutting range between the cutting knife and the material, and improve particle uniformity; At the same time, due to the inclined installation of the cutting blade, it can avoid material splashing onto the barrel lid, overcoming the disadvantage of wet particles adhering to the barrel lid during traditional cutting.
- The efficiency of each batch of granulation is improved by 4-5 times compared to traditional processes.
- The entire process completes dry and wet mixing granulation in the same closed container, reducing adhesive by 25% compared to traditional processes and shortening drying time.
- Operation control system: controlled by a microcomputer, operated by a touch screen, and capable of storing multiple sets of process data. The variable frequency speed control of the cutting blade can be adjusted arbitrarily to meet the granulation requirements of different varieties.



JHZ-K系列 实验室湿法制粒机

Model JHZ-K Series Lab Wet-process Granulator



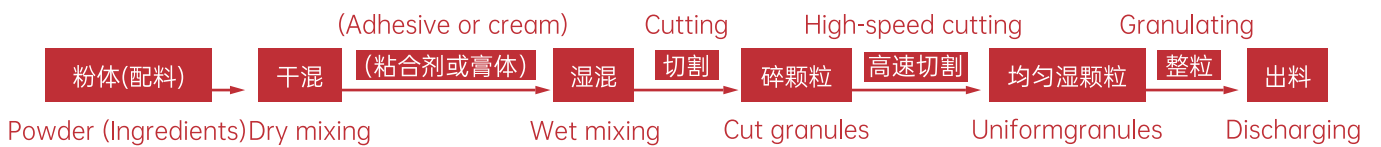
工作原理:

粉料在锥柱体容器内，经底部搅拌器充分搅拌，同时通过压力喷淋粘合剂（或者膏体），使物料混合成湿润碎状软材，然后再经侧置的高速制粒刀切割成均匀的湿颗粒，以达到各种颗粒的要求。

Working theory :

The powder is fully stirred in a conical cylindrical container through a bottom mixer, and at the same time, the material is mixed into a wet and fragmented soft material through pressure spraying of adhesive (or paste). Then, it is cut into uniform wet particles through a high-speed granulation knife on the side to meet the requirements of various particles.

其工艺:



工作原理:

JHZ-K型系列实验室型湿法制粒机是食品制药、化工业制剂生产中对药粉、淀粉、粘合剂及膏体进行实验室湿法混合制粒的专用设备。也适应于粉状物料混合与制粒，设备与物料接触部分及外表面全部采用优质304不锈钢制造。本设备一机带三桶，使用范围广，换桶拆卸方便。符合制药工业“GMP”要求。

Application:

JHZ-K series laboratory wet granulation machine is a specialized equipment for laboratory wet mixing and granulation of pharmaceutical powder, starch, adhesive, and paste in the production of food, pharmaceutical, and chemical industrial formulations. It is also suitable for mixing and granulating powder materials, and the equipment and material contact parts and external surfaces are all made of high-quality 304 stainless steel. This device comes with three buckets per machine, with a wide range of use and convenient disassembly and replacement of buckets. Complies with the "GMP" requirements of the pharmaceutical industry.

主要技术参数 Main Technical Paramerers:

型号			JHZ/K-2/5/10	JHZ/K-10/20/40
公称容量	Volume	L	2-5-10	10-20-40
投料量	Feed Capacity	Kg	0.4-8	6-30
搅拌功率	Mixing Power	Kw	2.2	4
搅拌转速	Stirring Speed	rpm	700	500
切粒功率	Granulation Power	Kw	0.75	1.5
切粒转速	Impeller Speed	rpm	1000-2800	1000-2800
气源压力	Air-source Pressure	Mpa	0.4	
整机重量	Machine Weight	Kg	400	700

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JFL系列 高效沸腾制粒机

Model JFL Series High-efficient Boiling Granulator



特点:

该机是健牌公司综合研发成功的最新机型。它吸收、消化国内外先进技术，具有操作方便，性能稳定，结构合理等特点。全机采用PLC全自动控制，具有八大特有功能：物料沸腾360°转动，均匀无死角；可自动密闭进出料；整机采用保温隔热结构；物料不易粘桶壁；物料过滤捕集先进，不易漏粉；主机采用分体式结构，拆装方便；本机与上下工艺设备可直接联动，使用方便；外形采用梯式结构，工艺操作及维护方便。该机型是目前最具有特点的制粒干燥设备，完全符合制药工业的“GMP”要求。

Features :

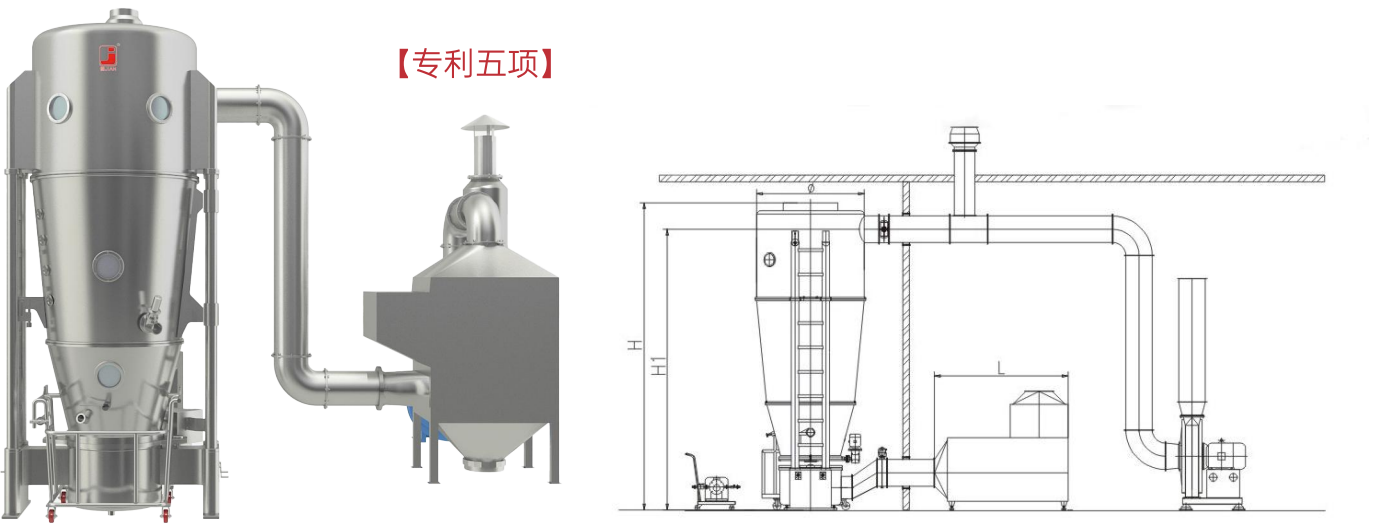
This machine is the latest model successfully developed by Jianpai Company. It absorbs and digests advanced technology both domestically and internationally, and has the characteristics of easy operation, stable performance, and reasonable structure. The entire machine adopts PLC fully automatic control, with eight unique functions: material boiling 360 ° rotation, uniform and without dead corners; Can automatically seal incoming and outgoing materials; The entire machine adopts a thermal insulation structure; The material is not easy to stick to the barrel wall; Advanced material filtration and capture, preventing powder leakage; The host adopts a split structure, which is convenient for disassembly and assembly; This machine can be directly linked with upper and lower process equipment, making it easy to use; The appearance adopts a ladder structure, which is convenient for process operation and maintenance. This model is currently the most distinctive granulation and drying equipment, fully meeting the "GMP" requirements of the pharmaceutical industry.

工作原理:

该设备由主机与辅机组成，具有供冷热风系统，空气净化处理系统，浆料处理系统，进出料系统，自动控制系统、风管路等六个系统。工作时，物料加入承料斗内，经净化的热空气（负压）从底部进入制粒室，使物料处于沸腾状态。同时浆料经喷雾系统处理，喷洒在呈流化状态的物料上，使之粘合聚集成颗粒。颗粒在气流所携热空气下水分得以蒸发排除，形成理想、均匀的多微孔状干燥颗粒。整个工艺操作均在密闭状态下进行。

Working theory :

This equipment consists of a main machine and auxiliary machines, including six systems: cooling and hot air system, Air purification treatment system, slurry processing system, inlet and outlet device system, automatic control system, and air pipeline. During operation, the material is added to the hopper, and purified hot air (negative pressure) enters the granulation chamber from the bottom, causing the material to be in a boiling state. At the same time, the slurry is processed by the spray system and sprayed on the fluidized materials to make them agglomerate into particles. The particles are separated from the hot air carried by the airflow and evaporated, forming ideal and uniform multi microporous dry particles. The entire process operation is carried out in a closed state.



JFL系列 高效沸腾制粒机

Model JFL Series High-efficient Boiling Granulator



用途:

该设备适用于制药、食品、化工等行业，是固体制剂主要工艺设备之一，是多品种制粒、制大颗粒、制密颗粒、多孔性速溶颗粒、喷雾干燥及粉状、粒状、团状物料干燥等多种功能，是目前制粒干燥的首选设备之一。

Application:

This equipment is suitable for industries such as pharmaceuticals, food, and chemicals, and is one of the main process equipment for solid formulations. It has multiple functions such as multi variety granulation, large granulation, dense granulation, porous instant granulation, spray drying, and drying of powder, granular, and agglomerate materials. It is currently one of the preferred equipment for granulation and drying.

主要技术参数 Main Technical Paramerers:

型号			JFL-10	JFL-30	JFL-60	JFL-120	JFL-200	JFL-300	JFL-500
生产能力 Production Capacity		kg/批	5-10	15-30	30-60	60-120	120-200	150-300	250-500
料斗容积 Capacity of material bucket		L	35	107	185	498	760	960	1500
进风温度 Temperature of inlet air		℃	室温-120℃ Room temperature-120℃						
风机 Blower	风量 Air volume	m³/h	1800	2580	4400	6000	7300	9500	12500
	电机功率 Power of motor	kw	5.5	15	18.5	30	37	45	55
转盘 Turntable	转速 Revolving Speed	rpm		10	10	10	10	8	8
	电机功率 Power of motor	kw		0.75	0.75	0.75	1.1	1.1	1.1
蒸汽 Steam	压力 Pressure	Mpa	0.4						
	消耗量 Consumption	m³/min	35	70	140	210	280	360	450
压缩空气 Compressed air	压力 Pressure	Mpa	0.6						
整机重量Machine Weight		kg			1850	2200	2700	3200	3800
H				2880	3100	3880	4470	4740	5550
H1				2600	2700	3450	4050	4300	5050
φ				956	1100	1400	1630	1800	2010
L				1800	1800	1850	1950	2200	2900

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高效三合一制粒机

High efficiency 3-in-1 granulator



设备外观图
Equipment appearance drawing

主要技术参数 Main Technical Paramerers:

设备型号	高效三合一制粒机			
原料容器容量	250L	风机功率	30kW	
生产能力	最大120kg/h, 最小60kg/h	搅拌电机功率	15kW	
蒸汽	耗量120kg/h、压力0.4-0.6Mpa	切粒电机功率	4kW	
压缩空气	耗量0.8m3/min、压力0.5-0.8Mpa	工作温度	常温至80-100℃左右	

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性能、特点:

传统湿法制粒机局限:

湿法制粒机主要用于生产压片颗粒，原料适用性狭窄，仅适用于特定原料。同时，需配备专门配套设备，导致成本居高不下。在特殊中药生产中，因浸膏含量问题，现有制粒设备难以一次达标，常需多次制粒或多台设备协同作业，致使生产流程繁琐。此外，半成品转移过程易受污染，成品率降低，急需一款能整合所有流程的制粒机，取代多台设备。

Limitations of traditional wet granulator:

Wet granulator is mainly used for the production of tablet pellets, the applicability of raw materials is narrow, only suitable for specific raw materials. At the same time, the need to be equipped with special supporting equipment, resulting in high costs. In the production of special Chinese medicine, due to the problem of extract content, the existing granulation equipment is difficult to reach the standard at one time, and it is often necessary to pelletizing several times or multiple equipment to work together, resulting in complicated production process. In addition, the semi-finished product transfer process is vulnerable to contamination, the yield is reduced, and there is an urgent need for a granulator that can integrate all processes to replace multiple equipment.

高效三合一制粒机

High efficiency 3-in-1 granulator



创新型三合制粒机亮点:

- 多功能集成制粒工艺：深入研究多功能集成型制粒工艺模块，优化制粒机功能模块与结构，将搅拌机构、切粒刀、进风机构、通风机构和出料机构巧妙集成。通过独特连接顺序，实现搅拌切粒 - 沸腾制粒 - 出料全流程，一台设备搞定颗粒制备，极大提高生产效率。
- 螺旋式高效热风干燥：基于沸腾制粒干燥特性，对进风口和风道结构优化升级。以底桶中心为圆心偏心设置多个风道，热风经风道进入桶体形成螺旋热风，大幅增加物料与热风接触面积，受热更均匀。螺旋热风还能搅动物料，防止过温焦化，干燥速度与均匀性显著提升，制粒质量更优。
- 风速风量精准调控：三合一制粒机底筒外圈设有多个弧形凹槽，凹槽入口与热风柜连通，底部多个进风口与风道相连，保障进风连续稳定。利用连体气缸在风道内相对移动，实现部分风道封堵或联通，精准调控风速和风量，满足不同物料制粒干燥需求。

Innovative three-part granulator Highlights:

- Multi-functional integrated pelleting process: In-depth study of multi-functional integrated pelleting process module, optimization of pelleting machine function module and structure, mixing mechanism, cutting knife, air intake mechanism, ventilation mechanism and discharge mechanism cleverly integrated. Through the unique connection sequence, the whole process of stirring granulation - boiling granulation - discharging is realized, and one device can handle the particle preparation, greatly improving the production efficiency.
- Spiral efficient hot air drying: Based on the drying characteristics of boiling pelletizing, optimize and upgrade the structure of air inlet and air duct. A plurality of air channels are set in the center of the bottom barrel as the eccentric center of the circle, and the hot air enters the barrel body through the air channel to form a spiral hot air, which greatly increases the contact area between the material and the hot air, and is heated more evenly. The spiral hot air can also disturb the material, prevent over-temperature coking, significantly improve the drying speed and uniformity, and better granulation quality.
- Precise control of wind speed and air volume: the outer ring of the bottom cylinder of the three-in-one granulator is provided with a plurality of curved grooves, the inlet of the grooves is connected with the hot air cabinet, and the multiple air intakes at the bottom are connected with the air duct to ensure continuous and stable air intake. The connected cylinder is used to move relatively in the air duct to achieve part of the air duct blocking or connecting, accurately regulate the wind speed and air volume, and meet the needs of different materials pelletizing and drying.

应用及市场前景:

随着制药、食品、化工等行业蓬勃发展，对制粒设备需求持续攀升。药品颗粒制剂、食品颗粒产品、化工产品造粒加工等，均对高效、优质制粒机有迫切需求。新型三合制粒机集多种功能于一身，能更好契合这些行业生产需求，市场前景十分广阔。

三合一体设计大幅减少生产工序和设备衔接时间，快速完成物料混合、制粒、干燥全过程，单位时间产量显著提高，为企业创造更多经济效益。在能源消耗上，通过优化设计与节能技术应用，有效降低生产能耗，符合国家节能减排政策。环保层面，减少废气、废水排放，降低噪音污染，对环境保护意义重大。

With the booming development of pharmaceutical, food, chemical and other industries, the demand for granulation equipment continues to rise. Pharmaceutical granule preparations, food granule products, chemical products granulation processing, etc., there is an urgent need for efficient and high-quality granulation machines. The new three-part granulator integrates a variety of functions in one, which can better meet the production needs of these industries, and the market prospect is very broad. The three-in-one design greatly reduces the production process and equipment connection time, quickly completes the whole process of material mixing, granulation and drying, significantly increases the output per unit time, and creates more economic benefits for enterprises. In terms of energy consumption, through optimized design and application of energy-saving technology, the production energy consumption is effectively reduced, which is in line with the national energy-saving emission reduction policy. At the environmental level, reducing waste gas and wastewater discharge and reducing noise pollution are of great significance to environmental protection.

JYK系列 摇摆式颗粒机

Model JYK Series Oscillating Granulator



特点:

本机广泛用于制药、化工、食品等行业，把潮湿的粉末状物料制成颗粒，亦可粉碎块状干物料。

注：本公司还生产多种无菌颗粒机。

Features :

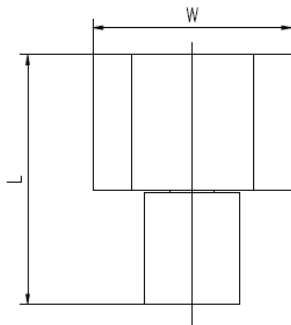
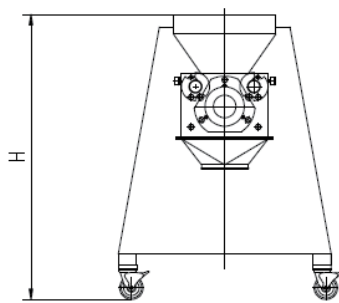
This machine is widely used in industries such as pharmaceuticals, chemicals, and food. It can make moist powder materials into particles and can also crush block like dry materials. Note: Our company also produces various sterile particle machines.

工作原理:

通过机械传动使滚筒往复摆动，将物料从筛网中挤出制成颗粒或粉碎制粒。

Working theory :

By mechanical transmission, the drum swings back and forth to extrude the material from the screen into particles or crush it for granulation.



主要技术参数 Main Technical Paramerers:

项目Item		型号Model	JYK100	JYK160	JYK200	JYK250
生产能力	Capacity	kg/h	50-100	50-300	150-400	300-600
滚筒直径	Diameter Of Cyliner	mm	φ 100	φ 160	φ 200	φ 250
滚筒转速	Speed Of Cylinder	rpm	65	55	50	50
摇摆角度	Swing Andle	°	360	360	360	360
总功率	Total Power	kw	3	4	5.5	7.5
重量	Weight	kg	280	380	450	800
L			600	950	1200	1270
W			450	700	1000	1000
H			1000	1150	1250	1400

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JFZ-B系列 粉碎整粒机

Model JFZ-B Series Grinding Granulator



特点:

本机广泛用于制药、化工、食品等行业，把潮湿的粉末状物料制成颗粒，亦可粉碎块状干物料。

注：本公司还生产多种无菌颗粒机。

Features :

This machine is widely used in industries such as pharmaceuticals, chemicals, and food. It can make moist powder materials into particles and can also crush block like dry materials. Note: Our company also produces various sterile particle machines.

工作原理:

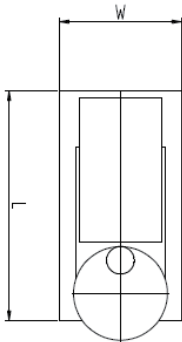
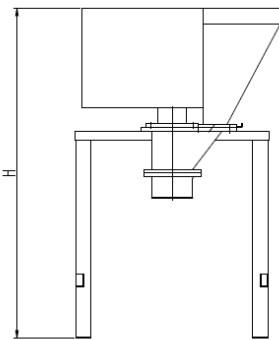
当物料进入机器内室时，在粉碎刀的高速运转作用下，物料形成漩涡流体，产生强烈的离心力，并向筛网斗孔面扩散。同时，粉碎刀与筛网斗之间产生高速间隙剪切、挤压及物料自身插碎，使物料变小。同时在离心力的作用下与孔眼大小相同的颗粒就从网孔排出。按照不同目数要求，配有多种不同的筛网以达到最佳的颗粒要求。

Working theory :

When the material enters the inner chamber of the machine, under the high-speed operation of the crushing knife, the material forms a vortex fluid, generating strong centrifugal force and diffusing towards the sieve bucket hole surface. At the same time, there is a high-speed gap between the crushing knife and the screen hopper for shearing, squeezing, and self crushing of the material, making the material smaller. At the same time, particles that are the same as the holes are discharged from the mesh under the action of centrifugal force. According to different mesh requirements, equipped with various different screens to achieve the best particle requirements.



【专利二项】



主要技术参数 Main Technical Paramerers:

型号Model			JFZ-B200	JFZ-B400	JFZ-B600	JFZ-B800
生产能力	Capacity	kg/h	20-200	40-400	60-600	80-800
调速范围	Range of speed regulating	rpm	单速（Speed）：2800 变频调速（Frequency conversion speed ）:150-4500			
筛网孔径	Diameter of hole of screen-net	mm	0.5-6	0.5-6	0.5-6	0.5-6
总功率	Total Power	kw	1.1	1.5	2.2	4
L			720	750	850	900
W			360	400	500	550
H			1330	1400	1400	1500

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JZL系列 门式整粒机

Model JZL Series Door Type Granulator



特点:

该机带有脚轮的门架基座，移动方便，整粒机的高度根据生产工艺需要设计配套使用，优化了生产工艺。完全符合药品生产的GMP要求。

Features :

The machine has a gantry base with casters, which is easy to move. The height of the whole granulator is designed and used according to the production process needs, optimizing the production process. Fully comply with GMP requirements for drug production.

工作原理:

通过移动门架，把整粒机的进料口对接NTF系列固定提升转料机的出料口，对接完成后，开机工作，颗粒由转料机的料斗流到整粒机的腔体内，由腔体内的整粒刀使颗粒经过撞击、挤压、剪切后通过筛网孔排出腔体，经导流筒的出料口流到料斗内。

Working theory :

By moving the gantry, connect the feeding port of the whole granulator to the discharge port of the NTF series fixed lifting conveyor. After the docking is completed, start the machine to work, and the particles flow from the hopper of the conveyor to the chamber of the whole granulator. The particles are impacted, squeezed, and sheared by the whole granulator knife in the chamber, and then discharged from the chamber through the sieve mesh hole, and then flow into the hopper through the discharge port of the guide cylinder.

用途:

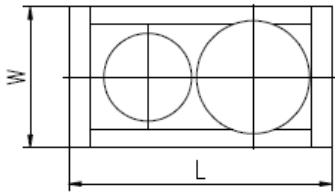
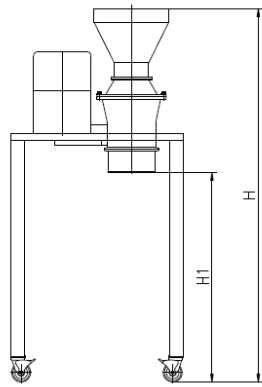
该机主要应用于制药工业中将制粒后结团的颗粒，根据工艺要求整粒出均匀的合格颗粒。同时在制药、化工、食品等行业中广泛使用。

Application:

This machine is mainly used in the pharmaceutical industry to sort out uniform and qualified particles that have agglomerated after granulation according to process requirements. It is widely used in industries such as pharmaceuticals, chemicals, and food.



【专利二项】



主要技术参数 Main Technical Paramerers:

型号Model	JZL-200	JZL-450	JZL-600	JZL-800	JZL-1000
总功率 TotalPower (kw)	4.1	4.0	4	5.5	5.5
最大整能力 Max mill production (kg/h)	200	450	600	800	1000
A	800	1000	320	1200	1200
L	1150	1350	800	1550	1500
W	500	600	450	800	900
H	2150	2400	1600	2730	3120
H1	1890	2140	1000	2470	2860

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JZKS系列 移动式真空上料机

Model JZKS Series Movable Vacuum Feeder



特点:

该机结构合理、性能稳定、操作方便。全机可以移动，确保生产安全，优化了生产工艺，完全符合药品生产的GMP要求。

Features :

The machine has a reasonable structure, stable performance, and convenient operation. The entire machine can be moved to ensure production safety, optimize production processes, and fully comply with GMP requirements for drug production.

工作原理:

移动式真空上料机是利用真空发生器作为真空源的一种真空输送机。利用该真空上料机可以将物料从容器中直接送入混合机、反应釜、料仓、压片机、包装机、振动筛、整粒机、胶囊填充机、湿法制粒机、干法制粒机和粉碎机等设备中去。该机减轻了工人的劳动强度,杜绝了粉尘污染,保证生产符合GMP要求。

Working theory :

Mobile vacuum feeding machine is a vacuum conveyor that uses a vacuum generator as the vacuum source. The vacuum feeding machine can directly feed materials from the container into equipment such as mixer, reaction kettle, silo, tablet press, packaging machine, vibrating screen, granulator, capsule filling machine, wet granulation machine, dry granulation machine, and crusher. This machine reduces the labor intensity of workers, eliminates dust pollution, and ensures that production meets GMP requirements.



主要技术参数 Main Technical Paramerers:

型号Model		JZKS-2	JZKS-3	JZKS-4	JZKS-6	JZKS-7
输送量 Transport volume	kg/h	300-600	400-1200	800-2500	1000-3200	2000-6000
功率 Power	Kw	2.2	3	5.5	5.5	7.5
耗气 Gas consumption	L/min	8	10	10	12	17
供气压力 Bleed pressure	Mpa	0.5-6				

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JFG-C系列 高效沸腾干燥机

Model JFG-C Series High-efficient Boiling Drying Machine

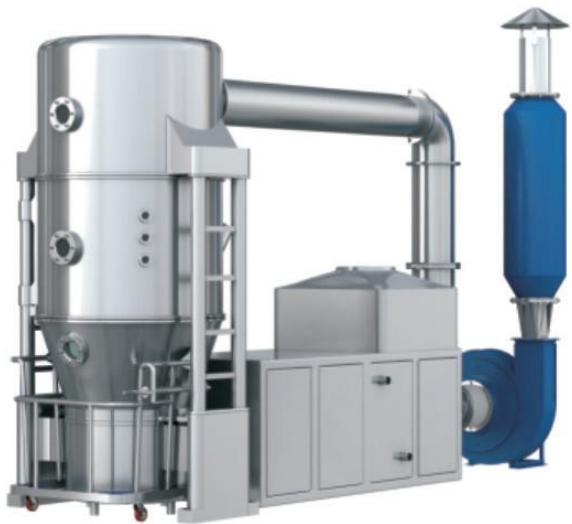


特点:

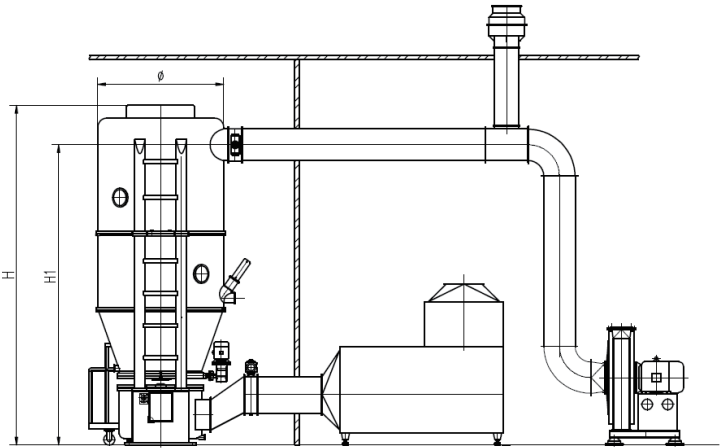
- 该机是健牌公司综合研发成功的最新机型。它吸收、消化国内外先进技术，具有操作方便，性能稳定，结构合理等特点。全机采用PLC全自动控制，具有八大特有功能：
- 物料沸腾360°转动，均匀无死角；
- 可自动密闭进出料；
- 整机采用保温隔热结构；
- 物料不易粘桶壁；
- 物料过滤捕集先进，不易漏粉；
- 主机采用分体式结构，拆装方便；
- 本机与上下工艺设备可直接联动，使用方便；
- 外形采用梯式结构，工艺操作及维护方便。
- 该机型是目前最具有特点的干燥设备，完全符合制药工业的"GMP"要求。

Features :

- This machine is the latest model successfully developed by Jianpai Company. It absorbs and digests advanced technology both domestically and internationally, and has the characteristics of easy operation, stable performance, and reasonable structure. The entire machine adopts PLC fully automatic control and has eight unique functions:
- The material boils 360 ° and rotates evenly without dead corners;
- Can automatically seal incoming and outgoing materials;
- The entire machine adopts a thermal insulation structure;
- The material is not easy to stick to the barrel wall;
- Advanced material filtration and capture, preventing powder leakage (two types: bag grouping and metal sintering mesh);
- The host adopts a split structure, which is convenient for disassembly and assembly;
- This machine can be directly linked with upper and lower process equipment, making it easy to use;
- The appearance adopts a ladder structure, which is convenient for process operation and maintenance.
- This model is currently the most distinctive granulation and drying equipment, fully meeting the "GMP" requirements of the pharmaceutical industry.



【专利五项】



JFG-C系列 高效沸腾干燥机

Model JFG-C Series High-efficient Boiling Drying Machine



工作原理:

该设备由主机与辅机组成，具有供冷热风系统，空气净化处理系统，进出料系统，自动控制系统、风管路等五个系统。工作时，物料加入承料斗内，经净化的热空气（负压）从底部进入制粒室，使物料处于沸腾状态。同时颗粒在气流所携热空气下水分得以蒸发排除，形成理想、均匀的多微孔状干燥颗粒。整个工艺操作均在密闭状态下进行。

Working theory :

This equipment is composed of a main machine and auxiliary machines, and has five systems, including a cooling and hot air system, an air purification and treatment system, an inlet and outlet system, an automatic control system, and an air pipeline. During operation, the material is added to the hopper, and purified hot air (negative pressure) enters the granulation chamber from the bottom, causing the material to be in a boiling state. At the same time, the particles are separated from the hot air carried by the airflow and evaporated, forming ideal and uniform multi microporous dry particles. The entire process operation is carried out in a closed state.

用途:

该设备适用于制药、食品、化工等行业，是固体制剂主要工艺设备之一，适用粉状、柱状、团状等多种形态的物料干燥，是目前干燥的首选设备之一。

Application:

This equipment is suitable for industries such as pharmaceuticals, food, and chemicals, and is one of the main process equipment for solid formulations. It is suitable for drying various forms of substances such as powder, column, and cluster, and is currently one of the preferred drying equipment.

主要技术参数 Main Technical Paramerers:

型号			JFG-10C	JFG-30C	JFG-60C	JFG-120C	JFG-200C	JFG-300C	JFG-500C
生产能力 Production Capacity		kg/批 kg/batch	5-10	15-30	30-60	60-120	120-200	150-300	250-500
料斗容积 Capacity of material bucket		L	35	100	200	360	660	1000	1500
进风温度 Temperature of inlet air		℃	室温-120℃ Room temperature-120℃						
风机 Blower	电机功率 Power of motor	kw	5.5	7.5	15	22	30	37	45
转盘 Turntable	转速 Revolving Speed	rpm			10	10	10	8	8
	电机功率 Power of motor	kw			0.75	0.75	0.75	1.1	1.1
蒸汽 Steam	压力 Pressure	Mpa	0.4						
	消耗量 Consumption	m³/min	35	70	140	210	280	360	450
压缩空气 Compressed air	压力 Pressure	Mpa	0.6	0.6	0.6	0.6	0.6	0.6	0.6
整机重量 Machine Weight		kg			1050	1470	1750	2250	3800
H					2850	3120	3680	4200	4900
H1					2550	2710	3210	3740	4350
Φ					960	1210	1410	1630	1800
L					1800	1850	1950	2200	2900

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特点:

- 主机滚筒采用微孔板的双锥体结构，内部平整光滑，无死角。
- 滚筒双锥体角度与特制导向板的分流作用，使物料在运行中产生错位交叉运动，从而获得快速、均匀的最佳动态干燥效果。
- 采用PLC可编程系统控制，触摸屏操作(人机界面)，动态显示；自动化程度高，操作简便，使用寿命长。
- 供、排风门采用蝶阀自动控制，有利于风量、风压与温度的平衡变化作用，提高干燥效果。
- 热风从主机上部进入，快速渗透至料床中扩散，同时排风口在滚筒底部，通过负压将空间的潮湿空气和冷空气排出机外。使热能得到充分利用，不浪费;亦大大提高了物料的干燥速度。
- 工艺数据，供、排风量，温度、时间等变化曲线自动记录，即时打印。
- 电加热器的温度调节，由微机自动分段PID模式控制，大大提高电能利用率。
- 配置变频调速，有利于生产工艺的调整及进、出料，清洗等操作的需求。
- 主机箱体全部采用双层隔热保温结构，提高了设备防护的完整性。
- 设备外表及所有与物料接触的部位全部采用优质不锈钢材料制作。
- 配有两部带盖承料小车，承料车直接进入主机内承料，避免交叉感染，使用方便。
- 采用铰链式对开门，强度高，操作、清洗方便。
- 在特制的导向板作用下，物料可全部自动卸出。
- 常规(胶囊)干燥时间:120-180分/批:水份含量:<0.05%。
- 设备外表美观、结构紧凑，占地面积小，安全方便。

Features :

- The main rolling machine adopts a dual cone structure of microporous plates, with a flat and smooth interior and no dead corners.
- The angle of the rolling double cone and the diversion of the special guide plate create a staggered and cross movement of the material during operation, thereby obtaining the best dynamic drying effect that is fast and uniform.
- Adopting PLC programmable system control, touch screen operation (human-machine interface), dynamic display: high degree of automation, easy operation, and long service life.
- The supply and exhaust doors are automatically controlled by butterfly valves, which is conducive to the balance of air volume, air pressure, and temperature, and improves the drying effect.
- Hot air enters from the upper part of the host and quickly penetrates into the material bed for diffusion. At the same time, the exhaust outlet is located at the bottom of the roller, and the humid air and cold air in the space are discharged from the fan through negative pressure. Make full use of thermal energy without waste; It also greatly improves the drying speed of the material.
- Process data, supply and exhaust air volume, temperature, time and other change curves are automatically recorded and printed in real-time.
- The temperature regulation of the electric heater is controlled by a microcomputer automatic segmented PID mode, greatly improving the utilization rate of electrical energy.
- The configuration of variable frequency speed regulation is conducive to the adjustment of production processes and the needs of operations such as feeding, discharging, and cleaning.
- The main machine box adopts a double-layer insulation structure, which improves the integrity of equipment protection.
- The appearance of the equipment and all parts in contact with materials are made of high-quality stainless steel material.
- Equipped with two covered material carriers, the carriers can directly enter the main machine to carry materials, avoiding cross infection and making it easy to use.
- Adopting a chain type door opening, with high strength and easy operation. Easy to clean. Under the action of a specially designed guide plate, all materials can be automatically discharged.
- Routine (capsule) drying time: 120-180 minutes/batch: moisture content:<0.05%. The equipment has a beautiful appearance, compact structure, small footprint, and is safe and convenient.

工作原理:

被干燥的物料在全密闭的双锥型滚筒内径导向板作用下，做连续复杂的慢速滚动(即动态干燥)。同时将加热后的洁净空气输入滚筒内，使其渗透到料床间隙中扩散，再通过滚筒底部的最佳排出位置负压作用，将潮湿气体与冷风排风，整个工序在微机设定的程序内完成：既能完成干燥之目的，又能起到高温灭菌作用，使物料获得快速、均匀、不变色的最佳干燥效果。

Working theory :

The dried material undergoes continuous and complex slow rolling (i.e. dynamic drying) under the action of a fully enclosed double cone roller inner diameter guide plate. At the same time, the heated clean air is fed into the roller to permeate into the gap between the material bed and diffuse. Then, through the negative pressure effect of the optimal exhaust position at the bottom of the roller, the moist gas and cold air are discharged. The entire process is completed within the degree set by the computer, which can achieve both the purpose of drying and high-temperature sterilization, allowing the material to achieve the best drying effect of fast, uniform, and non discoloration.

用途:

JGDG型多功能动态干燥机是本公司通过多年精心研制成功的国内最先进的物料动态干燥设备。该设备适用于各种颗粒、丸剂、糖果等物品进行干燥；并具有高温灭菌功能，是一种设计合理、高效节能、结构紧凑、操作简便的新型干燥专用设备。符合食品制药工业GMP要求。

Application:

JGDG multifunctional dynamic dryer is the most advanced material dynamic drying equipment in China that our company has successfully developed through years of careful research and development. This equipment is suitable for drying various particles, pills, candies, and other items; And it has the function of high-temperature sterilization, which is a new type of drying specialized equipment with reasonable design, high efficiency, energy-saving, compact structure, and easy operation. Complies with GMP requirements for the food and pharmaceutical industry.

主要技术参数 Main Technical Paramerers:

型号	JGDG-100	JGDG-200	JGDG-300
最大生产力 Max.Production Capacity	100kg/batch(pellets)	200kg/batch(pellets)	300kg/batch(pellets)
滚筒容积 Capacity of Roller	500L	1000L	1500L
滚筒最大装载系数 Max.loading Ration of Roller	≤40%	≤40%	≤40%
滚筒调整范围 Regulating Speed Range of Toller	1-6rpm	1-5rpm	1-5rpm
供风最高温度 Max Supply Air Temperature	<150℃	<150℃	<150℃
最大风量 Max.Air Volume	1150m³/h	1350m³/h	1550m³/h
最大风压 Max.Air pressure	400pa	400pa	400pa
主机电机功率 Power of Main Body	1.1kw	1.5kw	2.2kw
供风电机功率 Power of Supply Air Motor	0.75kw	1.1kw	1.5kw
排风电机功率 Power of Exhaust Air Motor	0.75kw	1.1kw	1.5kw
电加热器功率 Power of Electric Heater	14kw	18kw	25kw
电源(三相五线制) Power (3-Phase 5-Line)	21kw、380V、50A	25kw、380V、60A	32kw、380V、80A
主机外形尺寸(LxWxH) Dimension of Main Body	1600x1300x2500	1700x1400x2600	2000x1700x2800
供风柜外形尺寸(LxWxH) Dimension of Main Body	790x690x1600	790x690x1600	790x690x1600
排风柜外形尺寸(LxWxH) Dimension of Exhaust Air Cabinet	850x750x1500	850x750x1500	850x750x1500
料车外形尺寸(LxWxH) Dimension of Putting Material Trolley	1000x650x550	1150x800x620	1250x800x720
主机重量 Weight of Main Body	1450kg	1650kg	1980kg

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JNTFZ系列 固定式提升翻转整料机

Model JNTFZ Series Fixed Feeder &Granulator



特点:

该机是我司广泛吸收、消化国外先进技术，结合国情研发成功的新机型。结构合理，性能稳定，操作方便，整机无死角，无外露螺钉。该机设有防误操作装置的出料蝶阀，拆卸方便，易于清洗，确保生产安全。整料机可随锥斗升降到任意工艺高度，方便与下一工序设备密闭对接，有效地控制粉尘与交叉污染，优化了生产工艺，完全符合药品生产的GMP要求。

Features :

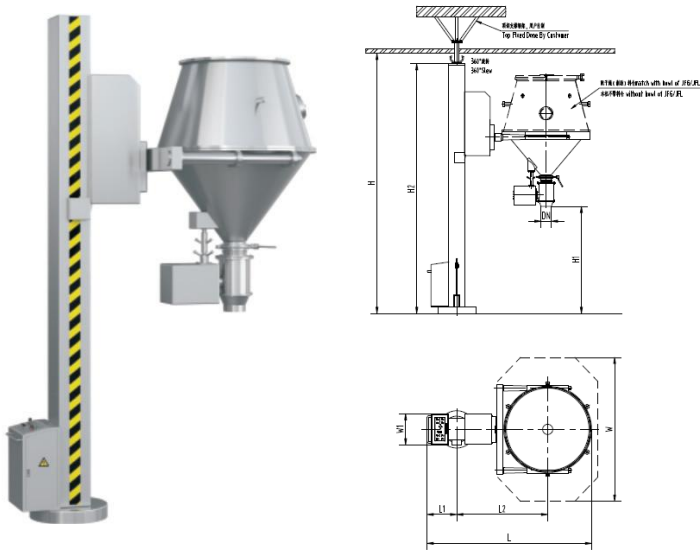
This machine is newly designed by combining the advanced foreigntechniques and domestic demands. It has reasonable structure, stablefunction, convenient operation, and no dead angles or exposing bolts.The machine is equipped with an anti-error outlet butterfly valve, whichbrings the convenience to disassemble and clean, and ensures theproduction safety. The straightening granulator can be lifted to anyheight in line with the cone bucket, which makes it convenient to belinked with machine of next process. t effectively reduces powder andcross contamination , and improves the production process. Itcompletely conforms with the GMP requirements of production.

用途:

该机主要应用于制药工业固体物料的转送、加料。可与沸腾制粒机、沸腾干燥机的料仓配套使用。同时在制药、化工、食品等行业中广泛使用。

Application:

This machine is mainly used to transfer and feed solid materials in pharmacy industry. It can be used togetherwith the stock bin of a fluid bed granulator or drier. Meanwhile, it is widely used in the industries of pharmacy,chemistry and food.



主要技术参数 Main Technical Paramerers:

型号			JNTFZ200	JNTFZ300	JNTFZ500	JNTFZ800	JNTFZ1000
净负载	Net Load	Kg	200	300	500	800	1670
整料机型号	Granulator Model		ZL200	ZL450	ZL700	ZL1000	ZL1000
整粒能力	Granulation Capacity	Kg/h	20-200	45-450	70-700	100-1000	100-1000
总功率	Total Power	Kw	4	8	10	10	10
整机重量	Machine Weight	Kg	900	1000	1400	1600	1900
L			2296	2490	2710	2910	3000
L1			600	600	600	600	600
L2			1130	1230	1350	1450	1500
W			2000	2310	2510	2700	2950
W1			750	750	750	750	750
H			4000	4200	4800	5000	5300
H1			2000	2200	2500	2500	2500
H2			3800	4000	4600	4800	5000
DN			200	200	200	200	200

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JNTF系列 固定提升转料机

Model JNTF Series Fixed Feeder &Granulator



特点:

该机是我司广泛吸收、消化国外先进技术，结合国情研发成功的新机型。结构合理，性能稳定，操作方便，整机无死角，无外露螺钉。该机设有防误操作装置的出料蝶阀，拆卸方便易于清洗，确保生产安全。并能有效地控制粉尘与交叉污染，优化了生产工艺，完全符合药品生产的GMP要求。

Features :

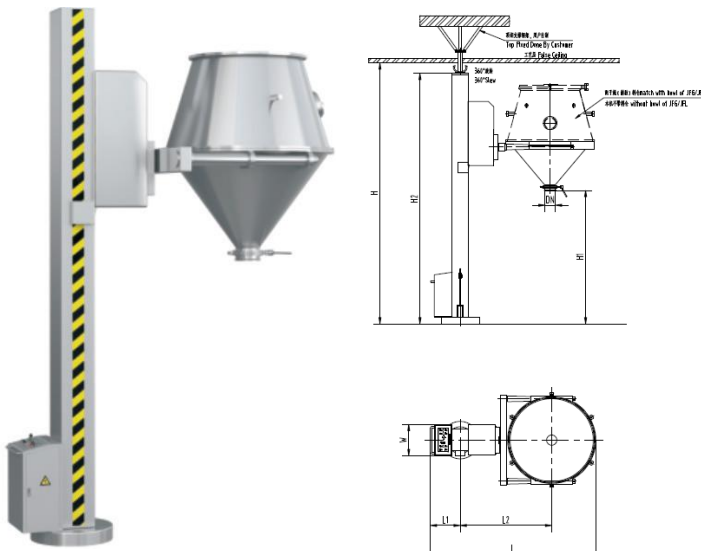
This machine is newly designed by combining the advancedforeign techniques and domestic demands. It hasreasonable structure, stable function, convenient operation,and no dead angles or exposing bolts. The machine isequipped with an anti-error outlet butterfly valve , whichbrings the convenience to disassemble and clean , andensures the production safety. This machine can effectivelycontrol powder and cross contamination,which optimizesthe manufacturing technique. It completely conforms withthe GMP requirements of production.

用途:

该机主要应用于制药工业固体物料的转送、加料。可与沸腾制粒机、沸腾干燥机、整料机配套使用。同时在制药、化工、食品等行业中广泛使用。

Application:

This machine is mainly used to transfer and feed solid materials in pharmacy industry. It can be used togetherwith the stock bin of a fluid bed granulator or drier. Meanwhile, it is widely used in the industries of pharmacychemistry and food.



主要技术参数 Main Technical Paramerers:

型号			JNTF200	JNTF300	JNTF500	JNTF800	JNTF1000
净负载	Net Load	Kg	200	300	500	800	1000
总功率	Total Power	Kw	2.75	2.75	2.75	2.95	3.75
整机重量	Machine Weight	Kg	800	900	1200	1500	1800
L			2220	2490	2710	2910	3000
L1			600	600	600	600	600
L2			1075	1200	1600	1730	1830
W			600	600	600	600	600
H			3800	4000	4200	4400	4700
H1			2500	2500	2500	2500	2500
H2			3700	3800	4100	4200	4500
DN			200	200	200	200	200

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JZLT系列 提升整粒机

Model JZLT Series Lifting Granulator



特点:

该机底盘带有移动脚轮，移动方便，整粒机的高度根据生产工艺需要可以提升或下降，满足用户的生产工艺需要，有效地避免了粉尘交叉污染。完全符合药品生产的GMP要求。

Features :

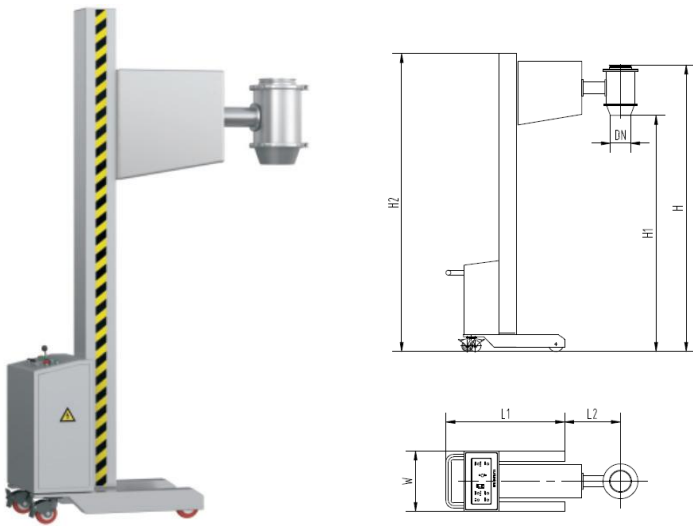
The chassis of this machine is equipped withtrundles,easy to move. The height of thisgranulator can be lifted or descendeoaccording to the requirements of manufacturing techniques to meet the needof customers.It effectively avoids powderand cross contamination.It completely conforms with the GMP requirements ofproduction.

用途:

该机主要应用于制药工业中将制粒后结团的颗粒，根据工艺要求整粒出均匀的合格颗粒。同时在制药、化工、食品等行业中广泛使用。

Application:

This machine is mainly used in phaacy industry to process tangled granules into uniform and qualified ones in accordance withtechnicalrequirements.Meanwhileis widely used in the industries of pharmacy, chemistry and food.



主要技术参数 Main Technical Paramerers:

型号			JZLT200	JZLT300	JZLT500	JZLT800	JZLT1000
电机功率	Motor Power	Kw	0.75	1.1	3	4	4.5
整粒能力	Granulation Capacity	Kg/h	100	200	450	700	1000
筛网数目	Mesh Size		5-30	5-30	5-30	5-30	5-30
整机重量	Machine Weight	Kg	310	320	400	420	450
L1			860	860	860	860	860
L2			312	312	596	596	596
W			650	650	650	650	650
H			1930	1930	2160	2160	2160
H1			1500	1500	1600	1600	1600
H2			1900	1900	1950	1950	1950
DN			200	200	200	200	200

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JNTD系列 料斗提升加料机

Model JNTD Series Hopper Chargin Elevator



特点:

该机是我司广泛吸收、消化国外先进技术，结合国情研发成功的新机型。结构合理，性能稳定，操作方便，整机无死角，无外露螺钉。该机易于清洗，有效地控制粉尘交叉污染，优化了生产工艺，完全符合药品生产的GMP要求。

Features :

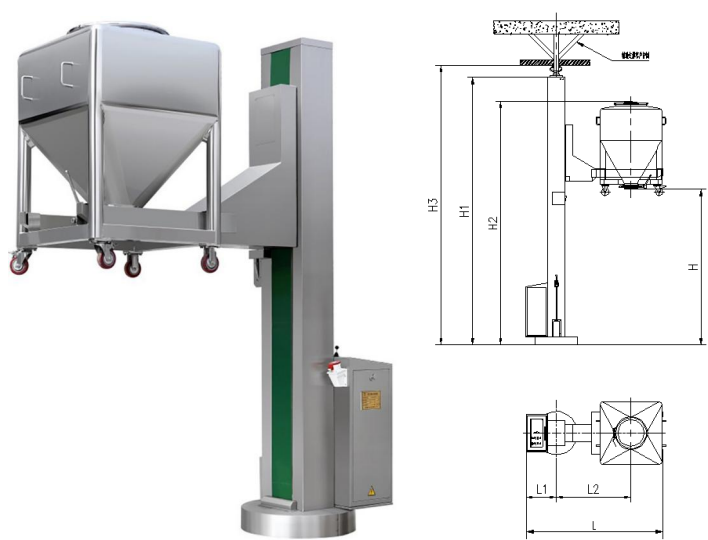
This machine is newly designed by combining theadvanced foreign techniques and domesticdemands. It has reasonable structure , stablefunction , convenient operation,and no dead angles or exposing bolts.This machine provideseasy cleaning and good control on power and cross contamination , which optimizes themanufacturing technique.It completely conforms with the GMP requirements of production.

用途:

该机主要应用于制药工业固体物料的输送、加料。可与混合机、压片机、胶囊充填机等设备配套使用。同时在制药、化工、食品等行业中广泛使用。

Application:

This machine is mainly used transfer, charge solid materials in pharmacy industry. It can be used together with mixertablet presser,capsule filling rachine, etc. Meanwhile, it is widely used in the industries of pharmacy, chemistry and food.



主要技术参数 Main Technical Paramerers:

型号			JNTD-200	JNTD-400	JNTD-600	JNTD-800	JNTD-1000	JNTD-1200	JNTD-1500	JNTD-1800	JNTD-2000
净负载	Net load	Kg	200	400	600	800	1000	1200	1500	1800	2000
总功率	Power	Kw	1.5	2.2	2.2	2.2	3	3	3	3	3
机器重量	Weight	T	0.5	0.6	0.65	0.8	0.9	1	1.2	1.4	1.5
A			600	600	600	600	600	600	600	600	600
B			700	800	1000	1000	1100	1200	1200	1200	1200
L			1900	1950	2050	2200	2250	2380	2380	2480	2480
L1			600	600	600	600	600	600	600	600	600
L2			850	950	950	1000	1100	1200	1200	1200	1200
H			2200	3400	2200	2200	2200	2200	2200	2200	2200
H1			3020	3400	3500	3500	3500	3500	3800	4000	4200
H2			3050	3340	3370	3570	3540	3560	3830	4035	4230
H3			3200	3600	3600	3700	3700	3700	4000	4200	4400

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JYT系列 移动式提升加料机

Model JYT Series Movable Feeder



特点:

- 桶体采用优质不锈钢经内外镜面抛光精制而成，光洁无死角，符合GMP要求。
- 料桶既可作为上道工序的配料桶、储料周转桶，又可作为下道工序(压片、填充、数片等)的加料斗。
- 药物密闭运输，杜绝了运输过程中的污染，避免了粉尘飞扬和药品生产运输过程中的交叉污染，完全符合GMP要求。
- 特制放料阀，体积小，放料方便、易清洗。

Features :

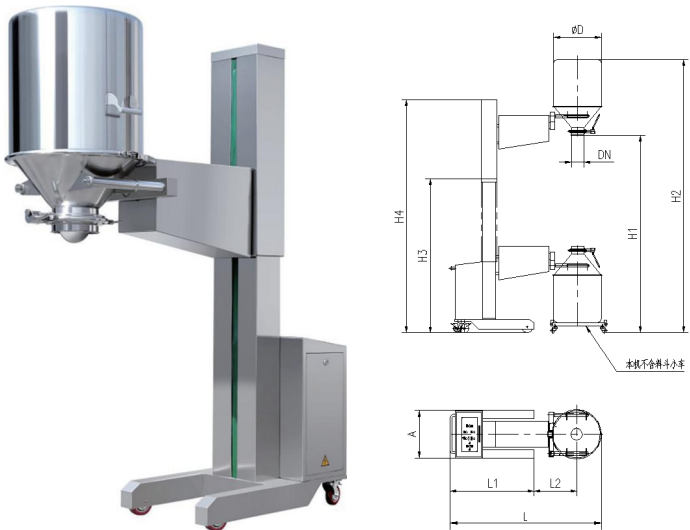
- The barrel is made of high-quality stainless steel with inside and outside mirror polish and no dead angle, complying with GMP requirements.
- The material barrel can serve as the mixer and transfer barrel for the previous procedure as well as the feed hopper for the next procedure (tableting, filling, counting, etc.)
- Sealed drug transportation prevents pollution in the process of transportation, dust floating as well as cross contamination during production and transportation, in full compliance with GMP requirements.
- Special feeding valve is in small size, convenient for feeding and cleaning.

用途:

该机主要应用于制药工业固体物料的输送、加料。可与混合机、压片机、胶囊充填机等设备配套使用。同时在制药、化工、食品等行业中广泛使用。

Application:

JYT series hoist is a new kind of material conveying equipment which is developed and developed in order to meet the requirements of modern pharmaceutical production process. This machine can be used as a kind of lifting device for various kinds of pressing machine, capsule filling machine, mixing machine, number plate machine and so on.



主要技术参数 Main Technical Paramerers:

型号			JNTS-100	JNTS-150	JNTS-200
最大负载	Maximum Load	Kg	100	150	200
总功率	Power	Kw	1.87	1.87	1.87
机器重量	Weight	T	470	500	550
A			600	600	600
L			1860	1910	1910
L1			1060	1060	1060
L2			540	540	540
H1			2500	2500	2500
H2			3320	3470	3620
H3			1950	1950	1950
DN			150	150	150
Φ			500	585	585

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JNTC系列 层间提升机

Model JNTC Series Interlayer Elevator



特点:

该机是我司广泛吸收、消化国外先进技术，结合国情研发成功的新机型，结构合理，性能稳定，操作方便，整机无死角，无外露螺钉。解决了药厂楼层上下物料输送的困难，完全符合药品生产的GMP要求。

Features :

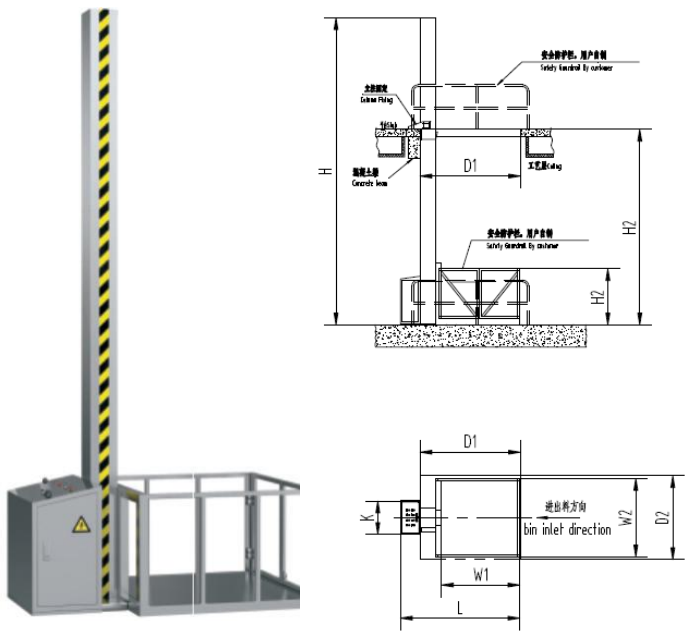
This machine is newly designed by combining the advanced foreign techniques and domestic demands. It has reasonable structure, stable function, convenient operation, and no dead angles or exposing bolts. This machine provides easy cleaning and good control on power and cross contamination, which optimizes the manufacturing technique. It completely conforms with the GMP requirements of production.

用途:

该机主要应用于制药工业固体物料及料斗的楼层上下输送。同时在制药、化工、食品等行业中广泛使用。

Application:

This machine is mainly used to transfer solid materials among different floors in pharmacy industry. Meanwhile, it is widely used in industries of pharmacy, chemistry and food.



主要技术参数 Main Technical Paramerers:

型号		JNTC200	JNTC300	JNTC400	JNTC600	JNTC800	JNTC1000	JNTC1200	JNTC1500	JNTC1800	JNTC2000
净负载	Net load	Kg	200	300	400	600	800	1000	1200	1500	2000
总功率	Power	Kw	2.2	2.2	2.2	2.2	3	3	3	3	3
H		H1+1500	H1+1500	H1+1500	H1+1500	H1+1500	H1+1500	H1+1500	H1+1500	H1+1500	H1+1500
H1		6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
H2		880	880	880	880	880	880	880	880	880	880
K		750	750	750	750	750	750	750	750	750	750
L		1720	1720	1720	1920	1920	2120	2120	2120	2140	2140
W1		1000	1000	1000	1200	1200	1400	1400	1400	1400	1400
W2		1000	1000	1000	1200	1200	1400	1400	1400	1400	1400
D1		1350	1350	1350	1550	1550	1750	1750	1790	1790	1790
D2		1100	1100	1100	1300	1300	1500	1500	1500	1500	1500

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JPH 系列三偏心混合机

Model JPH Series 3-eccentricity Mixing Machine



特点:

该设备广泛用于制药、食品、化工、陶电、塑料等工业的物料混合，特别是对有湿度、柔软、比重不一的颗粒、粉状物料的混合均能达到最佳的混合效果。

Features:

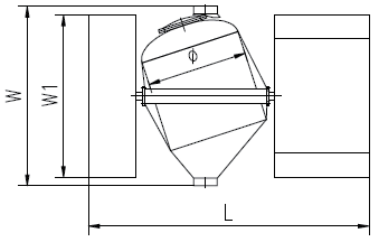
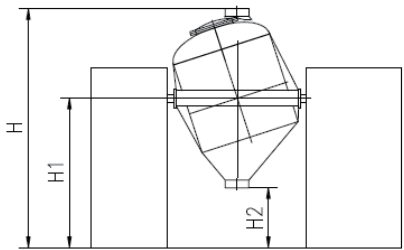
This equipment is widely used for material mixing in industries such as pharmaceuticals, food, chemicals, ceramics, plastics, etc., especially for the mixing of particles and powder materials with humidity, softness, and varying specific gravity, which can achieve the best mixing effect.

工作原理:

该设备的设计原理是：径向偏心、轴向偏心、上下偏心；采用桶体六向不对称的设计方法：上下角度容积不对称、左右角度容积不对称、前后角度容积不对称。按照该设计原理所产生的单面不同容积的多向错位交叉运动，以达到最佳的物料混合效果。

Working principle :

The design principle of this equipment is: radial eccentricity, axial eccentricity, upper and lower eccentricity; The design method adopts a six way asymmetry of the barrel body: asymmetric upper and lower angle volumes, asymmetric left and right angle volumes, and asymmetric front and rear angle volumes. According to this design principle, a multi-directional staggered cross movement with different volumes on one side is generated to achieve the best material mixing effect.



JPH 系列三偏心混合机

Model JPH Series 3-eccentricity Mixing Machine



主要技术参数 Main Technical Paramerers:

型号		JPH-300L	JPH-600L	JPH-800L	JPH-1M³	JPH-1.5M³	JPH-2M³	JPH-3M³	JPH-4M³	JPH-5M³
混合转速 BlendingSpeed	rpm	0-18	0-16	0-14	0-12	0-12	0-10	0-10	0-8	0-8
混合桶容积 Capacity of mixing bucket	m³	0.3	0.6	0.8	1	1.5	2	3	4	5
最大装料容积 Max.loading Capacity	m³	0.225	0.45	0.6	0.75	1.125	1.5	2.25	3	3.75
最大装料重量 Max.loading Weight	kg	112.5	225	300	375	560	750	1125	1500	1880
总功率 Total Power	kw	2.2	3	4	5.5	5.5	7.5	7..5	11	11
整机重量 Total Weight	t	0.7	1.1	1.5	1.8	2.1	2.3	2.9	3.5	4.2
H		1920	2275	2550	2650	2980	3100	3500	3950	3950
H1		1345	1500	1530	1570	1760	1830	2000	2255	2305
H2		620	620	620	620	620	620	620	620	620
W		1300	1655	1930	2030	2360	2480	2890	3330	3330
W1		800	1100	1400	1400	1500	1600	1700	2100	2100
L		1797	2430	2800	2900	3130	3480	3740	4500	4500

型号		JPH-6M³	JPH-7M³	JPH-8M³	JPH-10M³	JPH-12M³	JPH-15M³	JPH-16M³	JPH-20M³
混合转速 BlendingSpeed	rpm	0-7	0-7	0-7	0-6	0-6	0-5	0-5	0-5
混合桶容积 Capacity of mixing bucket	m³	6	7	8	10	12	15	16	20
最大装料容积 Max.loading Capacity	m³	4.5	5.25	6	7.5	9	11.25	12	15
最大装料重量 Max.loading Weight	kg	2250	2625	3000	3750	4500	5625	6000	7500
总功率 Total Power	kw	15	18.5	18.5	18.5	22	30	45	45
整机重量 Total Weight	t	5.5	5.8	6.2	6.5	7.4	8.2	9.5	13.2
H		4150	4582	4610	4910	5100	5450	5560	6130
H1		2325	2582	2640	2761	2800	3000	3100	3385
H2		620	620	620	620	620	620	620	620
W		3530	3925	3990	4280	4480	4830	5000	5510
W1		2150	2500	2600	2636	2300	2500	3050	3334
L		4760	4880	5130	5491	5580	5700	6180	7200

*客户需索取详细技术资料，请联系电话86-0577-86932456。For detailed technical information, please contact us at: +86 0577-86932456 Email: jp@cnjianpai.com

JSH-B系列 三维运动混合机

Model JSH-B Series 3D Motion Mixing Machine



特点:

- 混合桶:大圆弧八面形桶体，使物料运动不打滑，能导向物料随机滚动
- 变频调速:根据物料的多少、比重、形状，用不同的速度予以配合以达到最佳的混合效果。
- 三角加强筋:稳定机器运动，提高机座强度。不黏水，有利于清洗。
- 底座加重块:运行平衡稳定，减少震动，降低噪音。
- 辅轴设有弹性补偿装置。

Features :

- Mixing- bucket oclagonal bucket with large arc- shaped.make the rawmaterial moving wirhout skidding guide the raw material rolling randomly.
- Frequency conversion speed regulating according to the amount, shape and specific gravity of raw material, matchesdifferent speed to reach best effect of mixing
- Triangle reinforced steel stabilize machine running, enhancing the strength of frame, no water sticking, easy to clean.
- Bottom with add weight it is helpful to balance and stabiity machine running, reduce viberion and noise.
- The subsidiary axis equippen withan elasticity compensation device

工作原理:

本设备按三维运动的规律，具有特殊的运动功能，既产生了独特的运动方向转动、摇旋、平移、交叉、颠倒、翻滚多向混合运动。在混合作业时，混合桶同时进行了自转和公转，使多面混合桶产生强烈的摇旋滚动作用，并受混合桶自身多面功能的牵动，增大物料倾斜角加大滚动范围，消除了离心力弊病，彻底保证物料自我流动与扩散作用，又使物料避免了比重偏析、分层、聚积及死角，使其达到100%的混合要求。

Working principle :

This equipment abdpts 3D motion, it has special motiontunction, move in a unique way, eg: revolvingwawng, rotating, translation motion, intersectio, transposing, tumbling and so on.When it carry on complex motion, the mixing-bucket revoves simultaneously both on its own axis and roundthe commou tracks. so the polyhed ronic mixing-bucket wave and tumble intensely. also draw by itself withthe frature of polyhedron, which increase the tilt angle of raw material,enlarge the scope of rotation, aleoeliminate the effects of centrifugal force. therefore completely ensure the raw material flow and difuse byitself,also avoid specific gravity segregation, lamination, integration and end corner of raw material andmake raw material mixed perfectly.

JSH-B系列 三维运动混合机

Model JSH-B Series 3D Motion Mixing Machine



用途:

JSH-B型三维运动混合机，广泛用于制药、食品、化工、陶电、塑料等工业的物料混合。它具有混合均匀度高，流动性好，容载率高，对有湿度、柔软、比重不一的颗粒、粉状物料的混合均能达到最佳效果。

Working principle:

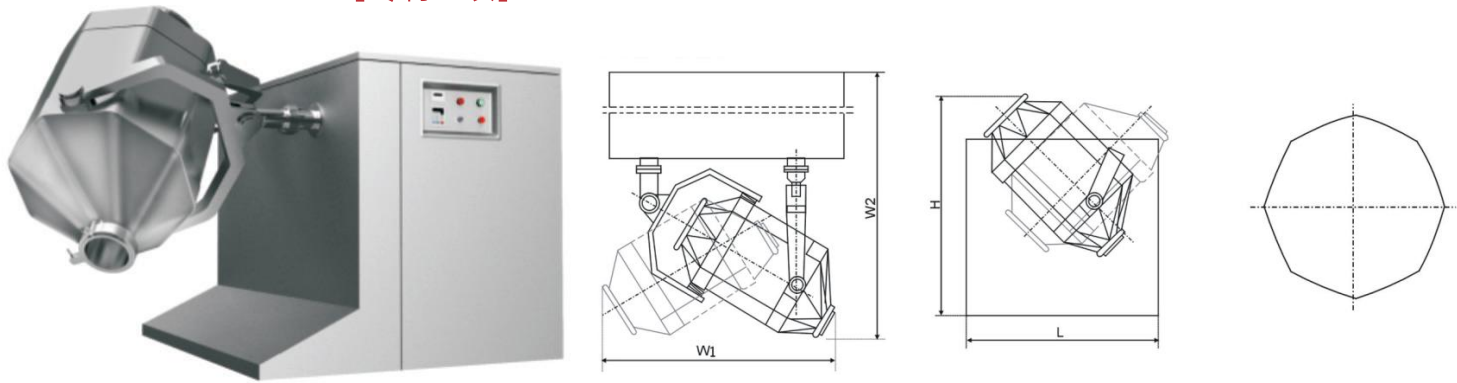
Model JSH-B 3D motion mixing machine is widely usedfor mixing raw material in pharmacy , food industry,chemical industry, plastic , ceramic industry and soon,lthas features of high degree of mixing uniformirtu.goodfluidity, high allowable load ratio, and can mix perfectlythe g ranule or powder of humid. soft and uneven specifie gravity.

主要技术参数 Main Technical Paramerers:

型号Model		JSH-20B	JSH-60B	JSH-100B	JSH-200B	JSH-400B	JSH-600B	JSH-800B	JSH-1000B	JSH-1500B
项目Item										
混合桶容积 (L) Capacity of mixing bucket		20	60	100	200	400	600	800	1000	1500
最大装载量 (L) Max.load capacity		15	45	75	150	300	450	600	750	1125
转速 (rpm) Revolving speed		0~35	0~22	0~19	0~17	0~16	0~14	0~13	0~12	0~10
重量(kg) Weight		180	350	600	1000	1300	1500	1800	2200	2200
外形运动尺寸 Outline motion size	W1	820	1050	1450	1580	1940	2225	2460	2640	3200
	W2	650	1200	1660	1800	2125	2380	2560	2800	3350
	H	700	1250	1550	1690	1915	2175	2280	2590	2880
	L	750	950	1180	1380	1520	1750	1900	2170	2470

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【专利三项】



JHSD系列 实验室料斗混合机

Model JHSD Series Laboratory Hopper Mixing Machine



特点:

回转体（混合斗）与回转轴线成30°夹角，混合料斗中的物料随回转体翻动外，同时沿斗壁做切线运动，产生强烈的翻转与切线运动，从而达到最佳的混合效果。

采用PLC控制，并设置防误操作的出料蝶阀，确保生产安全。物料可在同一容器中通过不同的工序段，不需要频繁的转料、加料等程序。有效的控制粉尘的交叉污染，减少物料损失，控制物料的分层，优化了生产工艺，完全符合药品生产的GMP要求。

Features :

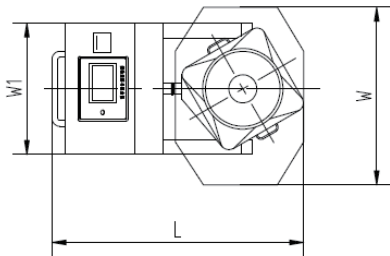
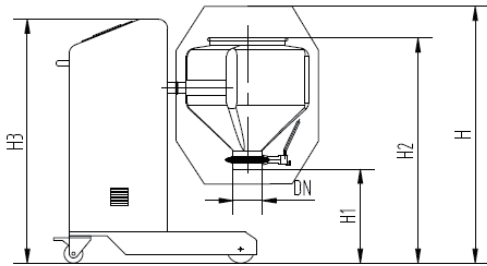
The rotating body (mixing hopper) forms a 30 ° angle with the rotating axis, and the materials in the mixing hopper flip outward with the rotating body. At the same time, they move tangentially along the bucket wall, producing strong flipping and tangential motion, thus achieving the best mixing effect. Adopting PLC control and setting up anti misoperation discharge butterfly valves to ensure production safety. Materials can pass through different process stages in the same container, without the need for frequent transfer, feeding, and other procedures. Effectively controlling cross contamination of dust, reducing material loss, controlling material stratification, optimizing production processes, and fully meeting GMP requirements for drug production.

工作原理:

该机由机座、驱动系统、控制系统、混合料斗等部件组成。工作时，将物料加入料斗后，锁紧料斗盖，按照工艺要求设定混合时间、混合速度，启动控制系统，即可开始混合工作，到设定的时间后，整机垂直停止，混合结束。

Working principle :

The machine is composed of components such as the base, driving system, control system, and mixing hopper. When working, after adding materials to the hopper, lock the hopper cover, set the mixing time and speed according to the process requirements, start the control system, and start the mixing work. After the set time, the entire machine will stop vertically and the mixing is completed.



【专利六项】

JHSD系列 实验室料斗混合机

Model JHSD Series Laboratory Hopper Mixing Machine



特点:

该机主要用于固体制剂实验室中的颗粒与颗粒、颗粒与粉末、粉末与粉末等物料的混合，是药厂实验室的总混设备。同时在制药、化工、食品等行业广泛使用。

Features :

This machine is mainly used for mixing materials such as particles and particles, particles and powders, and powders in solid preparation laboratories. It is a total mixing equipment in pharmaceutical laboratories. It is widely used in industries such as pharmaceuticals, chemicals, and food.

主要技术参数 Main Technical Paramererers:

型号		JHSD-5	JHSD-10	JHSD-15	JHSD-20	JHSD-25	JHSD-30	JHSD-50	JHSD-75	JHSD-100
混合转速 Blending Speed	rpm	3-25								
混合桶容积 Capacity of mixing bucket	L	5	10	15	20	25	30	50	75	100
最大装料容积 Max.loading Capacity	L	4	8	12	16	20	24	40	60	80
最大装料重量 Max.loading Weight	kg	2.5	5	7.5	10	12.5	15	25	37.5	50
总功率 Total Power	kw	0.37	0.37	0.37	0.55	0.55	0.55	0.75	0.75	0.75
整机重量 Total Weight	kg	150	160	170	180	185	190	200	235	280
H		1000	1050	1050	1050	1050	1050	1320	1400	1450
H1		470	410	410	410	410	410	440	440	500
H2		830	800	880	820	880	925	1085	1150	1200
H3		980	980	980	980	980	980	1315	1315	1450
W		570	650	650	700	700	700	880	1050	1100
W1		450	450	450	450	450	450	700	700	700
L		920	1010	1010	1090	1090	1090	1310	1310	1450

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无菌式混合机

Sterile Mixer



特点:

- 设备具有体积小，容载量大，装卸料方便，无级变频调速及红外线安全控制等优点。
- 优化控制系统，可实现清洗、灭菌及烘干流程自动控制，采用PLC及人机界面，并通过电磁阀控制清洗、灭菌及烘干，可设定温度及压力参数，整个操作流程更方便，参数控制更稳定，并可存储系统参数。
- 混合机采用隔墙安装，用隔板将操作区与非操作区分开，传动轴设有密封。另由于操作间正压，房间压力大于非操作区，故也不会有污染，符合要求。

Features :

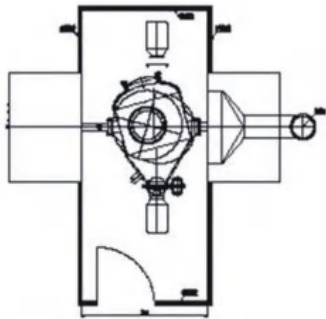
- Small size, large load, convenient loading and discharge, stepless frequency control as well as infrared security, etc.
- Optimized control system can achieve automatic control over cleaning, sterilizing and drying. PLC and man-machine interface are adopted. Electromagnetic valve controls cleaning, sterilizing and drying. Temperature and pressure parameters can be individually set. The entire operation process is more convenient with more stable parameter control and storable system parameters.
- The mixer adopts partition installation. The operating area is separated from the non-operating area by a claspboard with sealed drive shaft. Under positive pressure which is higher than that of the non-operation area, the operation chamber allows no pollution, meeting the requirements.



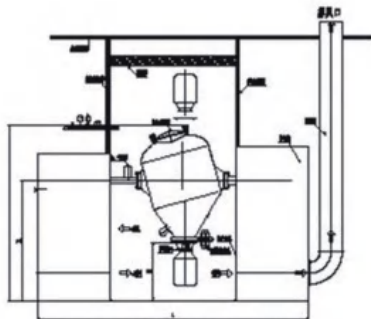
【专利三项】



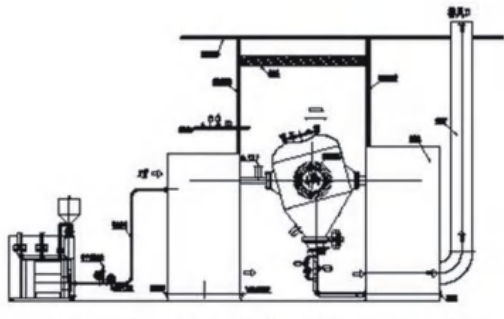
原理图 : Principle Diagram



三偏心混合机平面布置图



三偏心混合机（加料时）主视图



三偏心混合机（清洗、排水、灭菌、烘干）主视图

无菌式混合机

Sterile Mixer



工作原理:

利用混合桶的形体产生单面不同容积多向错位交叉运动，以达到最佳的物料混合效果。物料混合桶在一定压力和温度的饱和蒸汽下进行定时灭菌处理，使与粉针剂接触的混合桶达到无菌要求。

Working theory :

Shape of the mixing barrel produces one-side multidirectional displacement and cross motion of different volume from the purpose of optimal mixing effect. The mixing barrel receives regular sterilization process with saturated steam under specific pressure and temperature so that it is sterile when making contacts with powder-injection.

用途:

适用于注射针剂的颗粒与粉体的物料无菌混合，对柔性和比重不一的颗粒与粉体物料混合均匀度能达到最佳效果。

Application :

For sterile hybrid of injection particle and powder materials with the best uniform hybrid of particle and powder materials of various flexibility and specific gravity.

主要技术参数 Main Technical Parameters:

项目Item		型号Model	JPH-400L	JPH-600L	JPH-800L	JPH-1000L	JPH-1500L
混合桶容积(L) Capacity of mixing bucket			400L	600L	800L	1000L	1500L
最大装载量(m ³) Maxload capacity			300L	450L	600L	750L	1125L
桶体最高转速(rpm) Max.revolving speed of bucket			14rpm	14rpm	14rpm	12rpm	12rpm
放料阀直径 φ (mm)			φ 200	φ 250	φ 250	φ 250	φ 250
整机重量 (kg) weight of the whole machine			1.7 T	1.95T	2T	2.3T	2.5T
外型尺寸(mm) Outline size	运动高度(H)mm		2450	2550	2700	2850	3150
	中心高(H1)mm		1560	1660	1760	1720	1900
	放料阀离地高(H2)mm		700	700	700	700	700
	长x高mm		4050x1500	4215x1500	4425x1500	4950x1500	5280x1600
运动宽度mm			1750	1850	2000	2150	2450

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双回流连续混合机

Model JHSD Series Double Reflux Continuous Mixer



用途:

广泛用于化工、电池原料、涂料、染料、农药、制药、食品、饲料、添加剂、耐火材料、新型材料、电子塑料、陶瓷、化肥、冶金、矿山、干粉砂浆、特种建材等行业的粉体物料的混合。

Application:

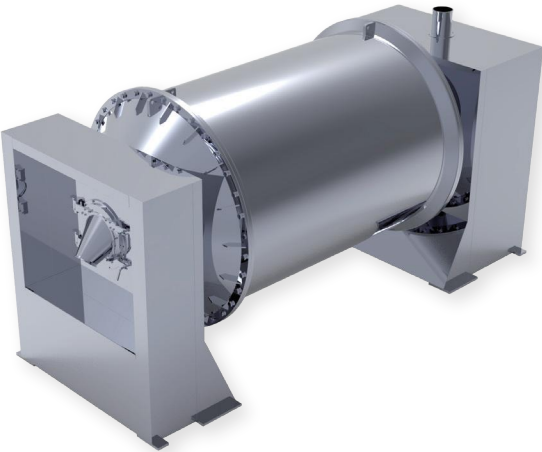
Widely used in chemical, battery raw materials, coatings, dyes, pesticides, pharmaceuticals, food, feed, additives, refractories, new materials, electronic plastics, ceramics, fertilizer, metallurgy, mining, dry powder mortar, special building materials and other industries of powder material mixing.

特点:

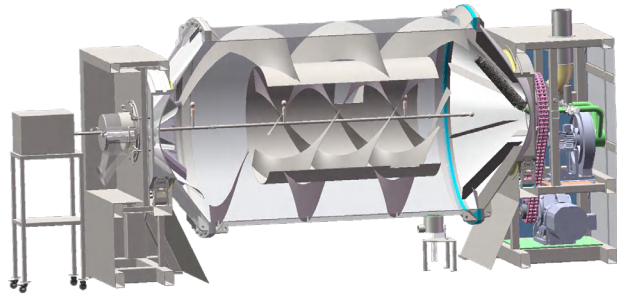
- 满足单批次混合、连续混合出料要求;
- 多维度, 多循环次数混合, 混合效果佳;
- 运转平稳, 质量可靠, 噪音低;
- 利用桶体转动混合, 所需总功率低, 节能环保;
- 通过变频调速, 根据物料的多少、比重、形状, 用不同的速度予以配合以达到最佳的效果;

Features :

- Meet the requirements of single batch mixing and continuous mixing discharge;
- Multi-dimensional, multi-cycle mixing, good mixing effect;
- Smooth operation, reliable quality, low noise;
- The use of drum body rotation mixing, the total power required is low, energy saving and environmental protection;
- Through frequency conversion speed regulation, according to the amount of material, specific gravity, shape, with different speeds to
- achieve the best results;



设备外观图
Equipment appearance drawing



设备内视图
Inside device view

双回流连续混合机

Model JHSD Series Double Reflux Continuous Mixer



工作原理:

双回流混合机用于将多种物料进行混合。首先从一端进料口进料, 通过斜锥上的搅拌桨进行搅拌和螺旋推动, 边进料边混合。其次, 物料随滚筒翻滚, 在滚筒腔体内通过外筒和内筒上的螺带做局部推动翻滚运动, 产生轴向和径向剪切混合效果。同时, 内筒上的螺带不断将物料推向另一端的出料口, 外筒上的螺带不断将物料推向进料口, 两个相反螺带推动物料形成一个大循环混合。其内筒上的孔洞使物料不断在内筒和外筒之间来回, 形成一个个小循环, 并产生径向剪切混合及轴向上的螺旋运动混合。最终使物料在筒体内生产多维运动、反复剪切渗混的效果, 完成物料在较短时间内快速均匀混合。最后物料通过反转进行出料, 用做单批次物料混合。

Working theory :

The double reflux mixer is used to mix a variety of materials. First, feed from one end of the feed port, stir and screw through the mixing paddle on the inclined cone, and mix while feeding. Secondly, the material rolls with the drum, and locally pushes the tumbling movement through the screw belt on the outer cylinder and the inner cylinder in the drum chamber to produce the mixing effect of axial and radial shear. At the same time, the screw belt on the inner cylinder constantly pushes the material to the discharge port on the other end, the screw belt on the outer cylinder constantly pushes the material to the feed port, and the two opposite screw belts push the material to form a large circulation mixing. The holes in the inner cylinder make the material constantly go back and forth between the inner cylinder and the outer cylinder, forming a small cycle, and produce radial shear mixing and axial spiral motion mixing. Finally, the material can produce multi-dimensional movement and repeated shear infiltration effect in the cylinder body, and complete the rapid and uniform mixing of the material in a short time. Finally, the material is discharged by reversing and used as a single batch material mixing.

双回流混合机也可用于物料连续混合。首先在桶体内输入足量物料进行充分混合, 再按一定比例逐渐进料, 使刚进来的部分物料与桶内大容量的物料进行上述混合。随着桶内物料容量逐渐加大, 最终使物料从出料口满溢出料, 实现连续出料。

Double reflux mixer can also be used for continuous material mixing. First, a sufficient amount of material is input into the barrel for full mixing, and then gradually feed according to a certain proportion, so that the part of the material that has just come in is mixed with the large-capacity material in the barrel. With the gradual increase of the material capacity in the barrel, the material is finally filled with overflow material from the discharge port to achieve continuous discharge.

主要技术参数 Main Technical Paramerers:

设备型号	JSLH-8m ³	JSLH-10m ³	JSLH-12m ³	JSLH-15m ³	JSLH-20m ³
桶体容积(m ³)	8	10	12	15	20
最大装载量(m ³)	4.8	6	7.2	9	12
主功率(kW)	18.5	22	22	30	37
转速(rpm)	22	16	14	12	10

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JHGD系列 固定式(方锥)混合机

Model JHGD Series Fixed Square-taper Mixing Machine



特点:

该机是我司在广泛吸收、消化国外先进技术、结合国情研发成功的新机型。结构合理，性能稳定，操作方便，整机无死角。回转体（混合料斗）与转轴线成30度夹角，混合料斗中的物料随回转体翻动外，同时沿斗壁做切向运动，产生强烈的翻转与高速的切向运动，从而达到最佳的混合效果，优化了生产工艺，符合药品生产的GMP要求。

Features :

This machine is a new model developed by our company that has extensively absorbed and digested advanced foreign technology, and combined with national conditions. Reasonable structure, stable performance, convenient operation, and no dead corners in the entire machine. The rotating body (mixing hopper) forms a 30 degree angle with the axis line, and the materials in the mixing hopper flip outward with the rotating body. At the same time, they move tangentially along the bucket wall, producing strong flipping and high-speed tangential motion, thus achieving the best mixing effect, optimizing the production process, and meeting the GMP requirements of pharmaceutical production.

工作原理:

该机主要由机座、驱动系统、控制系统、混合料斗等部件组成。工作时，将物料通过人工或真空吸料加入料斗中，锁紧人孔盖，按工艺要求设定的混合时间、混合速度，启动控制系统，即可开始混合作业，到设定的时间后，设备自动停止，混合结束后进行分料工序。

Working theory :

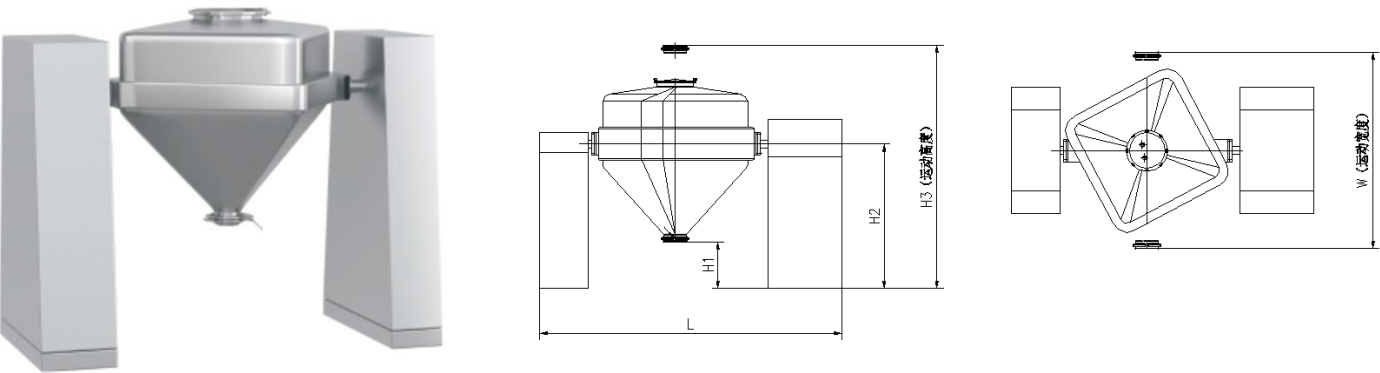
The machine is mainly composed of components such as the base, driving system, control system, and mixing hopper. During work, the material is manually or vacuum sucked into the hopper, the manhole cover is locked, and the mixing time and speed are set according to the process requirements. The control system is activated to start the mixing operation. After the set time, the equipment automatically stops, and the material separation process is carried out after the mixing is completed.

用途:

该机广泛应用于制药、化工、食品等行业。在制药工业中用于固体制剂生产中的颗粒与颗粒、颗粒与粉末等物料的混合，具有混合批量大、受力可靠、运行平稳等优点，是药厂总混的理想首选设备。

Application :

This machine is widely used in industries such as pharmaceuticals, chemicals, and food. The mixing of particles, particles, and powders used in the production of solid preparations in the pharmaceutical industry has the advantages of large mixing batches, reliable force distribution, and smooth operation, making it the ideal preferred equipment for general mixing in pharmaceutical factories.



JHGD系列固定式(方锥)混合机

Model JHGD Series Fixed Square-taper Mixing Machine



主要技术参数 Main Technical Paramerers:

项目Item / 型号Model		JHGD-300L	JHGD-600L	JHGD-800L	JHGD-1M³	JHGD-1.5M³
混合转速 BlendingSpeed	rpm	3~16	3~16	3~16	3~15	3~12
混合桶容积 Capacity of mixing bucket	L	300	600	800	1000	1500
最大装料容积 Max.loading Capacity	L	195	390	520	650	975
最大装料重量 Max.loading Weight	kg	97.5	195	260	325	488
总功率 Total Power	kw	2.2	3	4	5.5	5.5
整机重量 Total Weight	t	0.85	1.5	1.8	1.95	2.1
L		2530	2400	2400	2970	4090
W		1370	1780	1830	1960	2280
H1		620	620	620	620	620
H2		1280	1450	1470	1565	1660
H3		1940	2400	2450	2580	2800

项目Item / 型号Model		JHGD-2M³	JHGD-2.5M³	JHGD-3M³	JHGD-4M³	JHGD-5M³	JHGD-6M³
混合转速 BlendingSpeed	rpm	3~10	3~10	2~10	2~8	2~8	2~8
混合桶容积 Capacity of mixing bucket	L	2000	2500	3000	4000	5000	6000
最大装料容积 Max.loading Capacity	L	1300	1625	1950	2600	3250	3900
最大装料重量 Max.loading Weight	kg	650	812	975	1300	1625	1950
总功率 Total Power	kw	7.5	7.5	7.5	11	11	15
整机重量 Total Weight	t	2.9	3	3.1	3.5	3.7	4.5
L		4100	4100	4100	4290	4350	4680
W		2480	2780	2780	2980	3180	3430
H1		620	620	620	620	620	620
H2		1780	1950	1950	2060	2180	2290
H3		3100	3400	3400	3600	3800	4050

*客户需索取详细技术资料，请联系电话86-0577-86932456。For detailed technical information, please contact us at: +86 0577-86932456 Email: jp@cnjianpai.com

JHYD系列 对夹式料斗混合机

Model JHYD Series Double-clip Type Hopper Mixer



特点:

该机是我司广泛吸收、消化国外先进技术，结合国情研发成功的新机型。结构合理，性能稳定，操作方便，整机无死角，无外露螺钉。回转体(混合料斗)与回转轴线成30°夹角，混合料斗中的物料随回转体翻动外，同时沿斗壁做切向运动，产生强烈的翻转和高速的切向运动，从而达到最佳的混合效果。采用PLC全自动控制，并设置红外线安全装置及防误操作装置的出料蝶阀，确保生产安全。物料可在同一容器中通过不同的工序段，不需要频繁地转料、加料等程序。有效地控制粉尘交叉污染，减少物料的损失，控制物料的分层，优化了生产工艺，完全符合药品生产的GMP要求。

Features :

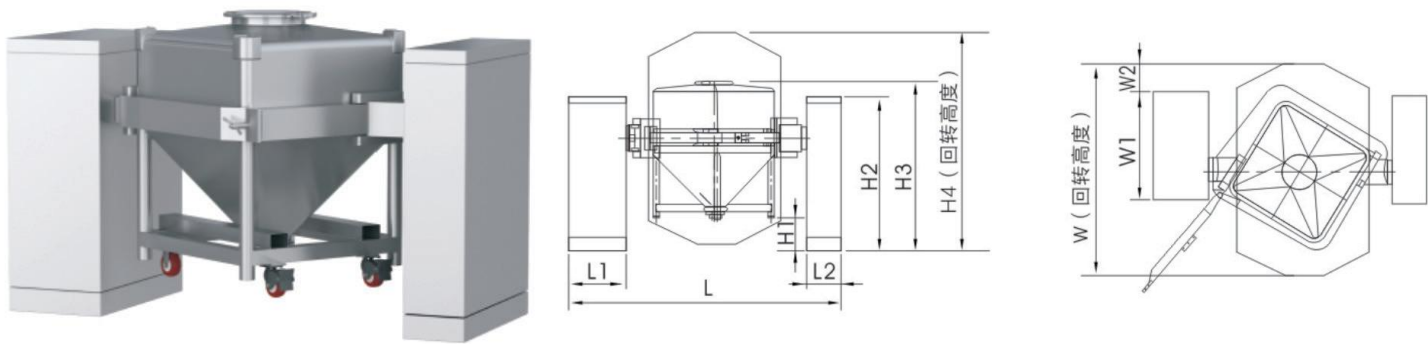
This machine is newly designed by combining the advanced foreign techniques and domestic demands. it has reasonable structure, stable function, convenient operation, and no dead angles or exposing bolts. The angle between the rotator (mixing hopper) and the rotating axis is 30°. When rotating along with the rotator, the material in the mixing hopper also conducts tangential motion along the inner wall. The best effect can be achieved through the strong rotating and high-speed tangential motion. PLC automatic control is adopted. and infrared safety device and anti-error device are equipped to ensure production safety. The material can go through different processes in the same container, saving the trouble of frequent material transfer and charging. it can effectively control powder and cross contamination, reduce the material loss and control material hierarchy. which optimizes the manufacturing techniques. It completely conforms with the GMP requirements of production.

工作原理:

该机由机座、回转架、驱动、制动、控制系统等部件组成。将混合料斗推入回转架内并锁紧混合料斗，启动控制系统，将回转架提升到混合高度并可可靠定位。驱动系统按设定的时间、转速等数据进行自动混合。混合作业结束，回转架垂直停止，料斗自动下降到地面，整机停止，并打印工艺数据。松开回转架的锁紧装置，将料斗推出转到下一工序。

Working theory :

This machine is composed of chassis, rotating frame, driver, braking and control system, etc. The control system will be started after pushing and fastening the mixing hopper to the rotating frame. The rotating frame will be lifted to mixing height and be located stably. Automatic mixing will be conducted in accordance with the set time and rotating speed. After the mixing is done and the rotating axis is still vertically, the hopper can descend automatically to the ground. Technical data will be printed out after the whole machine finishes operation. Then the fastening device of the rotating frame can be released and the hopper can be pushed into next process.



JHYD系列 对夹式料斗混合机

Model JHYD Series Double-clip Type Hopper Mixer



用途:

该机能完成自动提升、混合、下降等功能。配一台料斗混合机及多个不同规格的混合料斗,就能满足大批量、多品种的混合要求，是药厂总混的理想设备。同时在制药、化工、食品等行业广泛使用。

Application :

This machine can complete the functions of automatic lifting, mixing and descending, etc. The demand of large quantity and various mixing can be met with one set of hopper mixer and several mixing hopper of different sizes. It is ideal equipment for pharmacy factories. Meanwhile, it is widely used in the industries of pharmacy, chemistry and food.

主要技术参数 Main Technical Parameters:

项目Item	型号Model	JHYD2000	JHYD2500	JHYD3000	JHYD3500	JHYD4000
混合转速 Blending speed (rpm)		3-15	3-15	2-10	2-10	2-10
净负载 Net load (kg)		1000	1250	1500	1750	2000
总功率 Total Power (kw)		10.5	10.5	10.5	10.5	10.5
机器重量 Machine weight (t)		3.2	3.5	3.8	4.2	5.2
L		3890	3900	4010	4500	5000
L1		800	800	800	800	900
L2		500	500	500	500	600
W		3040	3300	3600	4100	4300
W1		1550	1550	1500	1800	2200
W2		420	500	700	1000	2800
H1		450	430	430	430	430
H2		2200	2400	2500	2800	3200
H3		2420	2600	2850	3200	3500
H4		3120	3500	3700	4300	4800

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JHZD系列 自动提升料斗混合机

Model JHZD Series Auto-lift Hopper Mixer



特点:

该机是我司广泛吸收、消化国外先进技术，结合国情研发成功的新机型。结构合理，性能稳定，操作方便，整机无死角，无外露螺钉。回转体(混合料斗)与回转轴线成30°夹角，混合料斗中的物料随回转体翻动外，同时沿斗壁做切向运动，产生强烈的翻转和高速的切向运动，从而达到最佳的混合效果。采用PLC全自动控制，并设置红外线安全装置及防误操作装置的出料蝶阀，确保生产安全。物料可在同一容器中通过不同的工序段，不需要频繁地转料、加料等程序。有效地控制粉尘交叉污染，减少物料的损失，控制物料的分层，优化了生产工艺，完全符合药品生产的GMP要求。

Features :

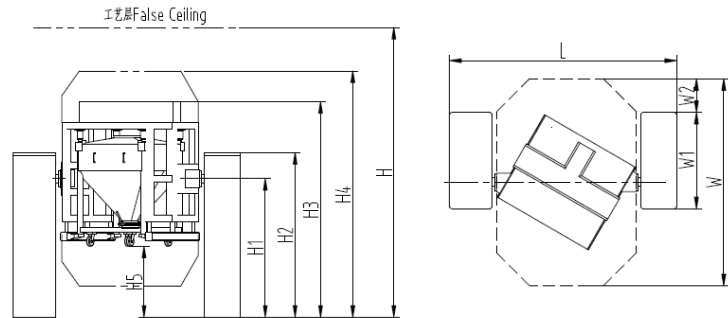
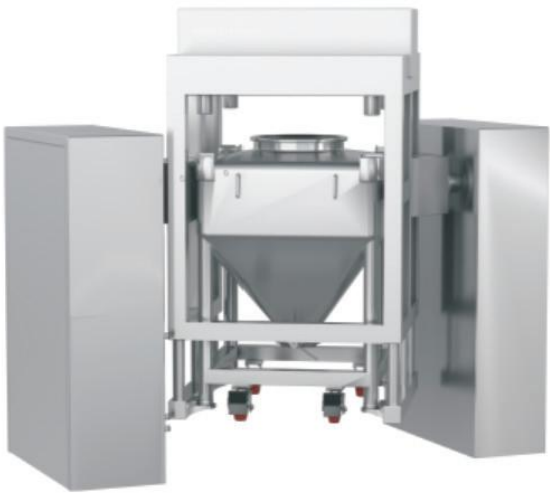
This machine is newly designed by combining the advanced foreign techniques and domestic demands. it has reasonable structure, stable function, convenient operation, and no dead angles or exposing bolts. The angle between the rotator (mixing hopper) and the rotating axis is 30°. When rotating along with the rotator, the material in the mixing hopper also conducts tangential motion along the inner wall. The best effect can be achieved through the strong rotating and high-speed tangential motion. PLC automatic control is adopted, and infrared safety device and anti-error device are equipped to ensure production safety. The material can go through different processes in the same container, saving the trouble of frequent material transfer and charging. It can effectively control powder and cross contamination, reduce the material loss and control material hierarchy which optimizes the manufacturing techniques. It completely conforms with the GMP requirements of production.

工作原理:

该机由机座、回转体、驱动系统、提升系统、制动系统及控制系统组成。工作时，将混合料斗推到回转体内，按下触摸屏上“确认”键，就能自动将混合料斗提升到位，并自动夹紧。压力传感器得到夹紧信号后，驱动系统工作，按设定的时间、转速进行混合。达到设定的参数后，回转体就能自动垂直停止，同时制动系统工作，混合结束。然后提升系统工作，回转体内的混合料斗下降到位，自动停止，并打印工艺数据。将混合料斗推出转到下一工序。

Working theory :

This machine is composed of chassis, rotating frame, driver, braking and control system, etc. The control system will be started after pushing and fastening the mixing hopper to the rotating frame. The rotating frame will be lifted to mixing height and be located stably. Automatic mixing will be conducted in accordance with the set time and rotating speed. After the mixing is done and the rotating axis is still vertically, the hopper can descend automatically to the ground. Technical data will be printed out after the whole machine finishes operation. Then the fastening device of the rotating frame can be released and the hopper can be pushed into next process.



JHZD系列 自动提升料斗混合机

Model JHZD Series Auto-lift Hopper Mixer



用途:

该机能自动完成提升、夹持、混合、下降等全部动作。配一台自动提升料斗混合机及多个不同规格的混合料斗,就能满足大批量、多品种的混合要求，是药厂总混的理想设备。同时在制药、化工、食品等行业广泛使用。

Application :

This machine can complete the functions of automatic lifting, mixing and descending, etc. The demand of large quantity and various mixing can be met with one set of hopper mixer and several mixing hoppers of different sizes. It is ideal equipment for pharmacy factories. Meanwhile, it is widely used in the industries of pharmacy, chemistry and food.

主要技术参数 Main Technical Parameters:

型号Model		JHZD-400	JHZD-600	JHZD-800	JHZD-1000	JHZD-1200	JHZD-1500	JHZD-1800	JHZD-2000
项目Item									
净负载 Net load	L	320	480	640	800	960	1200	1440	1600
	Kg	240	360	480	600	720	900	1080	1200
混合转速Speed	rpm	3-20	3-20	3-15	3-15	3-15	3-15	3-15	3-15
总功率Power	Kw	5.5	5.5	7	7	7	7	9.7	9.7
机器重量Weight	T	1.8	2	2.4	2.8	3	3.5	3.6	4
主要结构尺寸 Main structural dimensions	L	2650	2800	3000	3300	3400	3400	3560	3560
	A	1200	1300	1400	1400	1400	1400	1600	1600
	B	275	300	340	400	420	430	450	450
	W	2270	2400	2600	2760	2860	3040	3200	3300
	H	1670	1570	1730	1760	1820	1930	1960	2080
	Ha	2450	2520	2640	2760	2800	3110	3180	3380
	Hb	2810	2770	2810	3140	3250	3450	3560	3880
	Hc	720	720	720	720	720	720	720	720

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JHTD系列 柱式提升料斗混合机

Model JHYD Series Double-clip Type Hopper Mixer



特点:

该机是我司广泛吸收、消化国外先进技术，结合国情研发成功的新机型，混合结束后料斗可继续提升到工艺要求高度，方便出料。整机结构合理，性能稳定，操作方便。无死角，无外露螺钉。回转体《混合料斗》与回转轴线成30°夹角，混合料斗中的物料随回转体翻动外，同时沿斗壁做切向运动，产生强烈的翻转和高速的切向运动，从而达到最佳的混合效果。

采用PLC全自动控制，并设置红外线安全装置及防误操作装置的出料蝶阀，确保生产安全。物料可在同一容器中通过不同的工序段，不需要频繁地转料、加料等程序。有效地控制粉尘交叉污染，减少物料的损失，控制物料的分层，优化了生产工艺，完全符合药品生产的GMP要求。

Features :

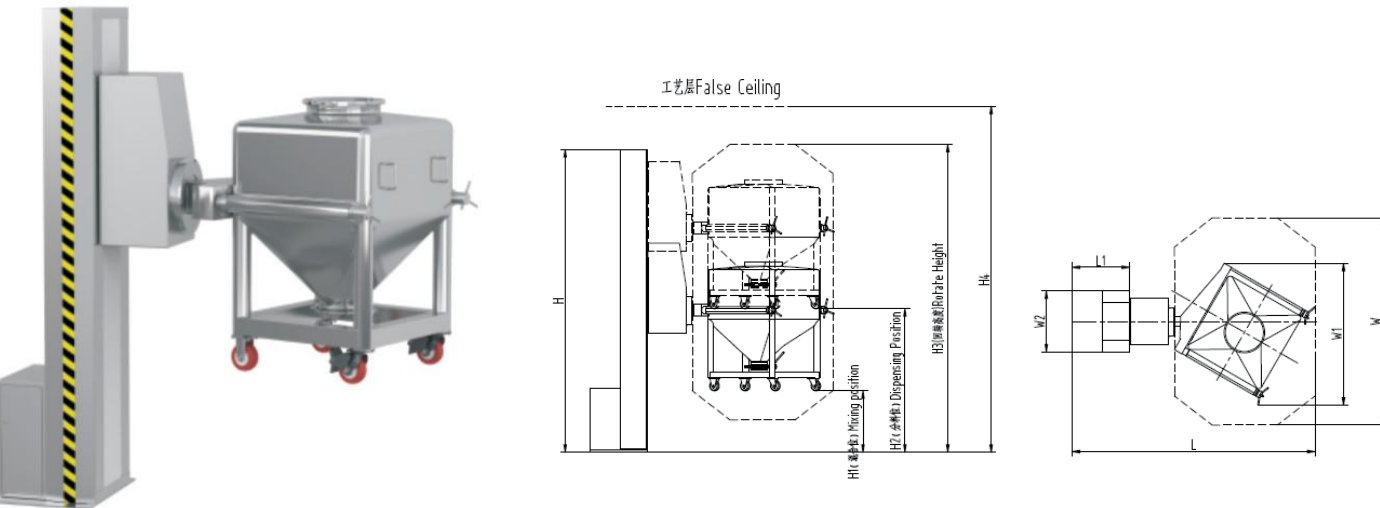
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工作原理:

该机由立柱、机座、回转叉架、驱动、制动、控制系统等部件组成。将混合料斗推入回转叉架并锁紧螺母，启动控制系统，将料斗提升到混合高度并可靠定位。驱动系统按设定的时间、转速等数据进行自动混合。混合作业结束，回转叉架垂直停止，料斗自动下降到地面，整机停止，并打印工艺数据。松开回转叉架的锁紧螺母，将料斗推出转到下一工序。

Working theory :

This machine is composed of chassis, rotating frame, driver, braking and control system, etc. The control system will be started after pushing and fastening the mixing hopper to the rotating frame. The rotating frame will be lifted to mixing height and be located stably. Automatic mixing will be conducted in accordance with the set time and rotating speed. After the mixing is done and the rotating axis is still vertically, the hopper can descend automatically to the ground. Technical data will be printed out after the whole machine finishes operation. Then the fastening device of the rotating frame can be released and the hopper can be pushed into next process.



JHTD系列 柱式提升料斗混合机

Model JHYD Series Double-clip Type Hopper Mixer



用途:

该机具有自动提升、混合、下降等功能。配一台料斗混合机及多个不同规格的混合料斗,就能满足多品种不同批量的混合要求，是药厂总混的理想设备。同时在制药、化工、食品等行业广泛使用。

Application :

This machine can complete the functions of automatic lifting, mixing and descending, etc. The demand of large quantity and various mixing can be met with one set of hopper mixer and several mixing hopper of different sizes. It is ideal equipment for pharmacy factories. Meanwhile, it is widely used in the industries of pharmacy, chemistry and food.

主要技术参数 Main Technical Parameters:

型号Model		JHTD-100	JHTD-200	JHTD-300	JHTD-400	JHTD-500	JHTD-600	JHTD-800	JHTD-1000
项目Item	L	80	160	240	320	400	480	640	800
	Kg	50	100	150	200	250	300	400	500
混合转速Speed	rpm	3-20	3-20	3-20	3-20	3-15	3-15	3-15	3-15
总功率Power	Kw	2.2	2.6	3	4.4	4.4	5.2	5.2	6.2
机器重量Weight	T	0.8	0.9	1	1.2	1.4	1.7	2	2.2
主要结构尺寸 Main structural dimensions	A	600	600	600	600	800	800	800	800
	B	1160	1350	1420	1450	1550	1650	1750	1850
	C	1300	1550	1650	1850	1950	2080	2300	2350
	L	2200	2250	2500	2650	2800	2900	3000	3150
	H1	250	250	300	400	400	400	400	400
	H2	700	700	750	750	750	750	750	750
	H3	1100	1230	1560	1690	1800	1870	1970	2050
	H4	1190	1460	1630	1780	1880	2000	2150	2250
	H5	2000	2100	2200	2300	2400	2400	2500	2700

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JGB系列 高效糖衣·薄膜包衣机

Model JGB Series High-efficient Sugar/ Film Coating Machine



特点:

片芯在全封闭洁净的筛网滚筒内，不停的作复杂轨迹运动。按设定工艺流程的参数与要求，经微机控制处理，自动地将包衣介质通过喷枪雾化均匀地喷洒到片芯表面(糖衣介质可用滴洒工艺)。同时滚筒在密封负压状态下，经热风柜供给洁净热空气穿透片床，由吸风装置通过滚筒底部筛孔排出。使片芯膜得到快速、均匀干燥，形成坚固光滑的表面包衣。

Features:

The slice-chip moved continuously along complex tracks in the screen cylinder, which is tightly sealed and clean. According to the parameters and requirements of process flow, the machine automatically spray the coating medium evenly onto the surface of slice-chip through the atomization process of spraying gun, the process is controlled by MCU C the syrup medium apply drip process), At the same time, the cylinder hot cleaning air which penetrate the slice-bed through the air cabiner, and be exhausted by the suction device through the screen mesh on the bootom of the cylinder, so the slicechip film dry quickly and evenly and form a firm and smooth surface coat.

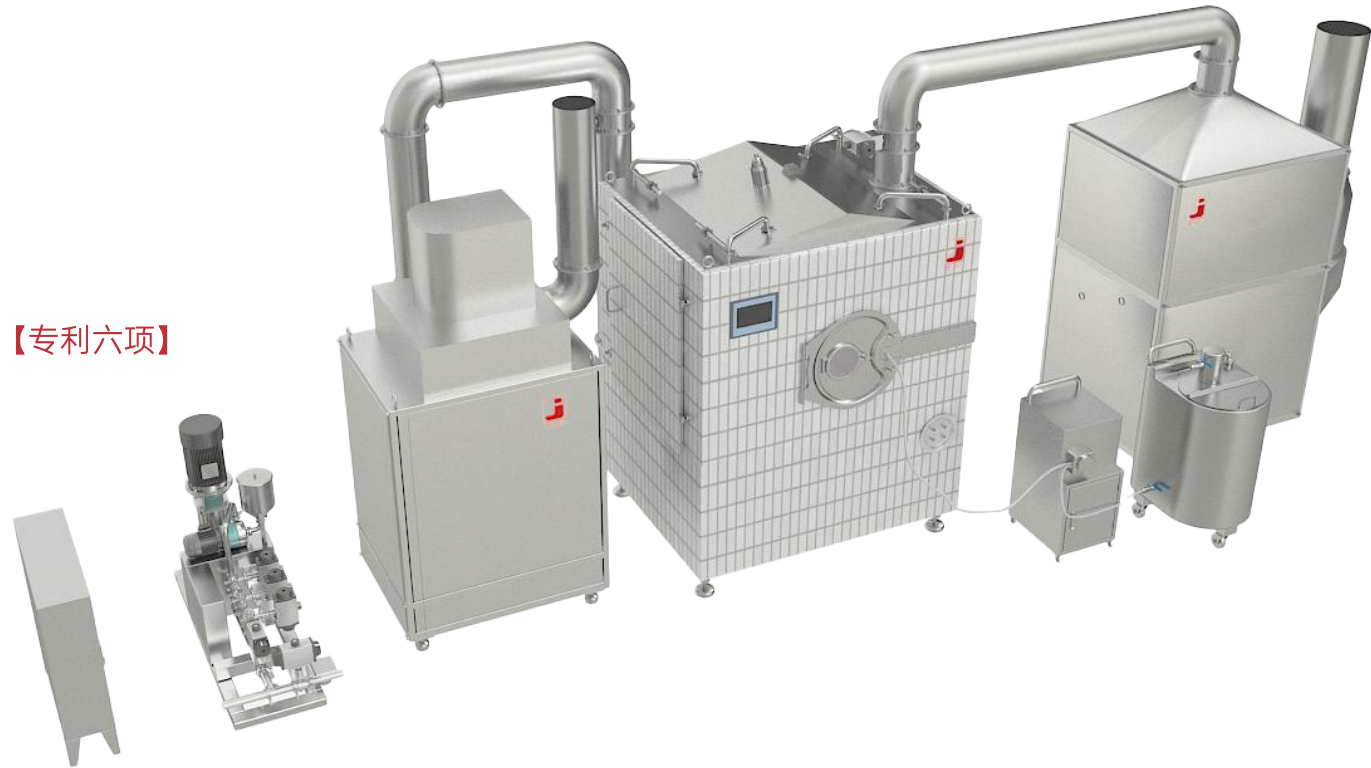
用途:

该设备广泛用于制药行业的中西药片的包衣，也适用于食品工业的糖果丸、巧克力等食品的包衣，符合制药工业的“GMP”标准。

Application :

This machine is widely used for coating medical pill in traditional Chinese & Western Medicine, also used for candy and chocolate in food industry. All the equipments are in conformity with “GMP” Medical Standard.

【专利六项】



JGB系列 高效糖衣·薄膜包衣机

Model JGB Series High-efficient Sugar/ Film Coating Machine

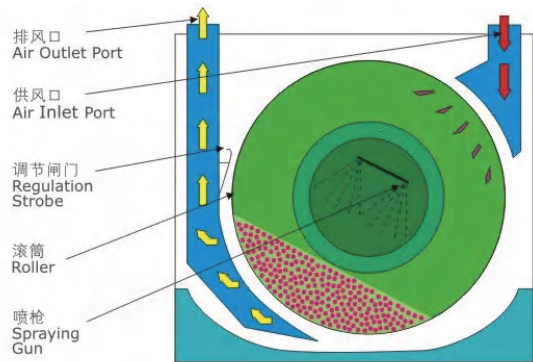


主要技术参数 Main Technical Paramerers:

型号Model 项目Item	JGB-5	JGB-10	JGB-35	JGB-75	JGB-110	JGB-150	JGB-260	JGB-350	JGB-500	JGB-650	JGB-800	JGB-1000
最大容量(kg)	5	10	35	75	110	150	260	350	500	650	800	1000
滚筒调整范围(rpm)	5-35		3-25		2-20		2-16		2-10		2-6	
包衣机主机尺寸(mm)	780×610 ×1650	920×710 ×1760	1050×780 ×1600	1270×960 ×1650	1450×1150 ×2150	1480×1180 ×1950	1760×1385 ×2280	1810×1555 ×2235	1860×1850 ×2370	2010×2173 ×2380	2300×2400 ×2650	2300×2550 ×2650
热风柜外形尺寸(mm)	1452×730×1903(无表冷)		1530×770×1770(无表冷) 1600×1090×2150(带表冷)		1792×914×2275(无表冷) 2150×1200×2130(带表冷)		1943×1150×2140(无表冷) 2350×1150×1975(带表冷)		2487×1350×2250(无表冷) 2770×1350×2350(带表冷)		3000×1250×2700(带表冷)	
排风柜外形尺寸(mm)	900×900×2000		1000×1000×2100		1080×1080×2350		11383×1160×2400		1240×1200×2300		1600×1200×2300	
配浆罐容积尺寸(L)	5	10	60		80		120	150	200		300	
主电机功率(kw)	0.55	0.75	0.75	1.1	1.5	2.2	3		4	5.5	7.5	
进风混流风机功率(kw)	1.1					2.2		3	5.5	7.5		15
排风离心风机功率(kw)	1.5	3	4		7.5		11		18.5			22
热风柜供风容积(m3/h)	820		2250		3350		4500		6700		10000	12000
电能散热器功率(备选, kw)	5	6	15		18	27	33	39	43	51		
热风调温范围(℃)	80											
电源(三相五线制)	5/380	5/380	9/380	10/380	15/380	16/380	21/380	22/380	41/380	43/380	58/380	69/380
气源(洁净压缩空气, MPa)	> 0.4											
蒸汽压力(MPa)	> 0.14											
蒸汽消耗量(kg/h)	20	30	40	80	80	100	100	130	200	250	320	400
蒸汽管直径(mm)	G1"											
保温桶电加热功率(kw)	3		4			6	8		12			

*客户需索取详细技术资料，请联系电话86-0577-86932456。For detailed technical information, please contact us at: +86 0577-86932456 Email: jp@cnjianpai.com

原理图
Principle Diagram



JGB-C系列 高效糖衣·薄膜包衣机

Model JGB-C Series High-efficient Sugar/ Film Coating Machine



特点:

- 操作系统：触摸屏操作，动态显示，人机界面。手动/自动控制，多套工艺数据储存软件编程先进。
- 可调式排放阀：节约包衣材料和热能，提高包衣质量，容装量范围大。
- 螺旋式搅拌器：克服了传统式搅拌器在包衣过程中易带片、挤片、丢片、碎片及包衣不均匀、密度差等缺点。
- 变频蠕动泵：采用数据编程与变频调速技术，与微机通讯自动控制喷雾流量，以达到介质的定量输送。又能调节软管压扁度，提高了硅胶管的使用寿命。
- 密封结构：采用双层弹性硅胶材料密封性能高。
- 喷枪：无堵塞、无滴漏、易清洗，雾化效果好。

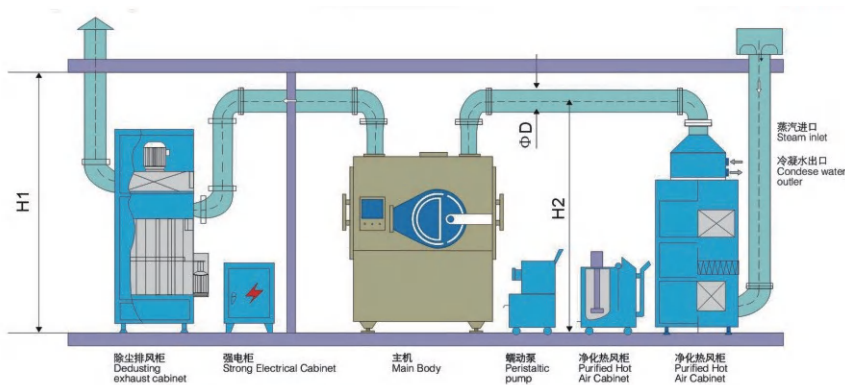
Features :

- Operation System: Touch screen, dynamic display, ManmachiRe intefface, Manual/automatic control, a large number of data and parameter saved and advancing software program.
- Adjustable exhaust shutter: save coating material and heatenergy, improve coating quality and enlarge load capacity.
- Spiral Blender: Overcome the defects of traitional blender during coating process, such as pill-hold, pilcrush, pill-lost, pill-bredk, uneven coating and low density etc.
- Frequency Perislalic Pump: Adopt data programming frequency regulating speed technology.communicating with MCU to control automatically the spraying volume, sO the medium is conveyed in fixed amount: also canadjust the degree of squashing distortion of soft pipe, and improve the life of silica gel pipe.
- Tightly sealed structu re:Adopt dual—layer elastic siliconerubber, and high tightness.
- Spraying gun: No blockage no blockage,easy to clean andatomization result.

【专利三项】



主机 Main Body



JGB-D系列 高效糖衣·薄膜包衣机

Model JGB-D Series High-efficient Sugar/ Film Coating Machine



工作原理:

- JGB-D型高效包衣机在C型的基础上，增加了如下功能
- 新型主机的设计：主机两侧采用双层铰链门结构，起隔音、隔热、操作方便的作用；箱体两端增加宽度，有利于彩钢板的安装。
- 采用微压变送器，能自动控制风门蝶阀的启闭、自动调节风量、风压，以达到最佳的包衣要求。
- 工艺数据自动记录、储存，并可打印。
- 自动气源处理系统：能自动处理喷雾系统所需气源使之净化，并起分流、调节作用，做到“断电断气”功能，保证喷雾系统的正常工作
- 配备高压清洗机及手用清洗枪，清洗方便彻底。

Working principle:

- JGBID type efficient coating machine in C foundation, increased as follows function:
- Model JGB-D high-efficiency coating machine has enhanced the following function on the foundation of model JGB-C. New design of main body:the two sides of main body adopt duel layer hinge gate construction to featuruction, to featu res of soundproof, heal insulation and easy operation, also increased thewidth of two sides of the case.so simplify the mounting of color steel plate.
- Adopt micro-pressure transduce r, automatically Control the open and close of butterfly valve, the air quantity and pressure, toachieve best coating resut.Automatically record, save and print the process data.
- Automatic air handling System: it can spray automatically to purily ai r needed of system, the traffic dive rsion and adjusting, carry out “power off, electricity off”, to ensure the spray system towork regularly.
- Matched high-pressure cleaning machine and hand-operated cleaning gun, soit is easy to clean.



主机 Main Body

主要技术参数 Main Technical Paramererers:

型号 Item	JGB-5	JGB-10	JGB-35	JGB-75	JGB-110	JGB-150	JGB-260	JGB-350	JGB-500	JGB-650	JGB-800	JGB-1000
H1	2600	2600	2600	2600	3000	3000	3200	3200	3500	3500	3600	3600
H2	2085	2085	2285	2285	2500	2500	2700	2700	3085	3085	3150	3150
D	Φ153	Φ153	Φ183	Φ183	Φ235	Φ235	Φ265	Φ300	Φ350	Φ350	Φ400	Φ400

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JGB-E系列 高效糖衣·薄膜包衣机

Model JGB-E Series High-efficient Sugar/ Film Coating Machine



大容量包衣机 Large-capacity coating machine

特点:

- 该设备在D型的基础上，增加了如下的功能：
- 全自动控制系统:实现主机与控制柜两屏并联操作，两地任意控制。
- 可异地监视包衣全过程，磁盘记录工艺数据，可打印并能与外线联网。
- 全自动清洗系统:实行微机编程的全自动清洗，又配备用手清洗枪，清洗方便彻底。

Features :

Model JGB-E High-efficiency coating machine has enhanced the following function on the foundation of models JGB-D.

- Full-auto control system: the two screens of main frame and control cabinet apply connection. controlled arbitrarily in two sites, so it can monitor full coating process in different site. the process data can be recorded on magnetic tape and printout; also can connect with outer network.
- Full-auto cleaning system: full automatic cleaning process under the control of program MCU, also equipped with hand-operating cleaning gun, so it is easy and completely to finish cleaning.

大容量包衣机

Large-capacity coating machine

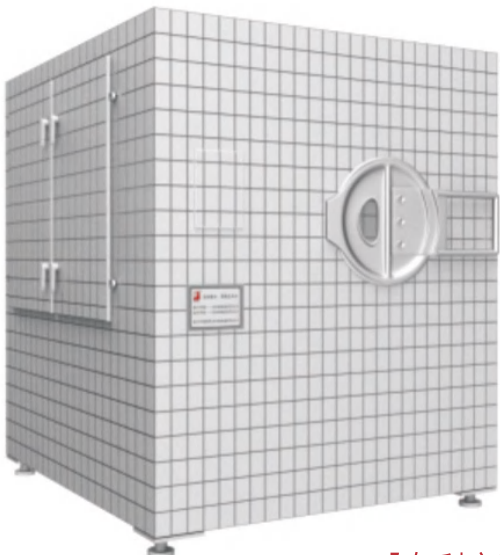
注(Note):本公司对大容量的高效包衣机，采用双向操作的方式，设计方法独特，已得到广大用户的普遍赞誉。JGB-1000大型高效包衣机填补国内空白。

This comdanv fo r la rge capacity of efficientcoatingc machine, adopts two—wayoperation of the way,design method isunique, has received the masses ofusersufliversal praise.JGB-1000 large efficientcoating machine in the domestic blank



【专利六项】

主机 Main Body



【专利六项】

JGB-100型主机
Model JGB-800 1000Main body

高效包衣机附件

High-efficiency Coating Machine Auxiliary Machine Configuration



净化热风柜 High-efficiency Filter Hot Air Machine	变频蠕动泵 Variable frequency peristaltic pump	除尘排风柜 Dedusting Exhaust Cabinet
操作控制柜 Control Cabinet	净化热风柜 High-efficiency Filter Hot Air Machine	强电柜 Strong Electrical Cabinet
保温搅拌罐 Warm-keeping Stirring Bucket	清洗机系列 Cleaning Machine Series	自动糖浆乳化称量输送系统 Auto Syrup Emulsification & Weighing Conveyor System
喷枪 Spraying Gun	出料器 Discharging Device	

JGB/WH 系列 高效包衣机 (微孔)

Model JGB/WH Series High-efficiency Micro-pore Coating Machine



特点:

- 该设备为丸粒专用设计，它采用小孔板、换板式和腾空导流板结构组成。
- 热风 and 排风装置设计在同一方向，热供风直接对丸粒表面喷洒干燥又与排风形成片床内部回流，降低片床温度差。使丸粒干燥快速。
- 它既能对丸粒包衣，又能对大药片包衣，最小可对0.6直径的微丸包衣。
- 填添了高效包衣机对微丸包衣的“空白”。
- 该设备与同类产品相比，具有对素丸硬度要求低、包衣时间短、容量大。表面包衣质量高，包衣介质和能源成本节省。包衣工艺简单，操作方面等特点。

Features :

- The equipment is special design for small pills, used board with smalhole. changing-board and vacated board for making pill move different dlerction.
- Hot air and exhaust air of device are designed in the same direction. thehot air will be dierct to spray and dry on the sud: ace of small pills and formback in-house bed with discharge air production bed-chip and bed-chipto lower the tempe rature difference and to fast-drying tablets.
- It is not only coating small pills but also coating tablets, (the mindiameter can reach 0.6).
- It fill the blank for small pills coated.
- The equipment have short-time coated. a hardness-low for the pills. hiahcapacity. High-quality surface coating, the coating media and energy costsavings. coating process simple, easy to operate and so on functions tocompare with others similar products.

工作原理:

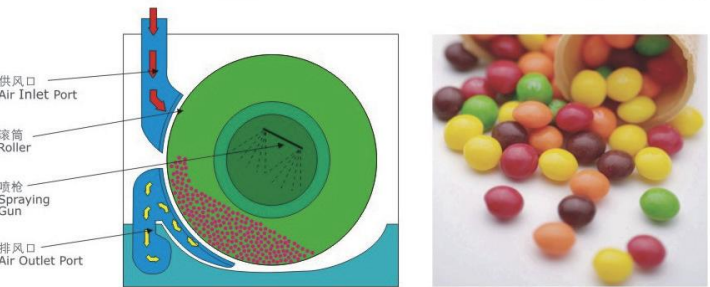
素丸(丸剂、微丸、颗粒等)在全封闭洁净的运转滚筒内在螺旋式导流板的作用下，在复杂轨迹运动，由PLC微机控制处理程序，按设定的工艺参数自动地将包衣介质通过喷枪雾化均匀的喷洒到丸粒表面。同时在负压状态下，热风由滚筒的上侧端(料床的上方，详见原理图)经风压进入，又经吸风装置在滚筒的底部排除，使丸粒表面膜得到快速，均匀的干燥。从而形成一层坚固、致密、光滑、平整的表面包衣膜。

Working theory :

The tablets (mlcropills,sinall pills or plain tablets etc) Make continuous compicated orbital motion within a closed rotating drum under the action of a deflector plate, Controlled by PLC, and according to the setting technological parameters, they will automatically spray by spraying gun on the surface of pill, at the same time, hot air is led from one side of air distributing pipe at the center of the drum under ansgative pressura. cleaning hot air distributing pipe go through tablet layer to collect air for discharging from other side, so that the film coating mediun sprayed on the surface of tablets will dry rapidly and evenly, thereby the surface of tablets form a layer of solid, compact, neat and smooth film.



原理图
Principle Diagram



JGB/WH 系列 高效包衣机 (微孔)

Model JGB/WH Series High-efficiency Micro-pore Coating Machine



用途:

JGB/WH系列高效(微孔)包衣机适用于各种丸剂、大小丸、微丸、滴丸、颗粒丸等包衣的专用设备，是对包制糖衣、有机薄膜衣、水溶薄膜衣和缓、控释包衣的一种高效、节能、安全、洁净、PLC控制、符合GMP要求的机电一体化包衣设备。是我公司研制、开发成功的新型高新产品。

Application:

The JGB / WH Se ries high-efficiency mic ropore coating machine is high-efficiency, energy-saving,safe clean, by PLC controlled one equipment which is used for sugar-coating, film-coating, water-soluble film coating on tablets and pills (including mlcropills, small pills, water-bindered pills, drippills and granulated pills) and, it is in confor mity with the requirement of GMP and is a high-techproduct first successfully developed in china by our factory.

主要技术参数 Main Technical Paramerers:

项目 Item	型号Model	JGB/W-5	JGB/W-10	JGB/W-35	JGB/W-75	JGB/W-150
生产能力 (kg/次)Production capacity (kg/times)		5	10	35	75	150
滚筒转速(rpm)Drum speed		5-35	5-25	3-28	3-25	2-20
主机电机功率(kw)Power of Main Motor		0.55	0.75	0.75	1.1	2.2
净化过滤热风机电机功率(kw) Power of Motor of high-efficiencit Filtration Hot Air Machine (kw)		1.1	1.1	1.1	1.5	1.5
除尘排风机电机功率(kw) Power of Motor of Dedusting Exhaust Machine (kw)		1.1	1.5	3	3	5.5
主机外形尺寸(长x宽x高)mm Outline Size of Main Body (LxWxH)mm		780x610x1650	920x710x1760	1050x830x1900	1250x1010x1840	1620x1300x2250
净化过滤热风机外形尺寸(长x宽x高) (mm) Outline DImension of high-efficiency Filter Hot Air Machine (LxWxH) (mm)		560x700x1900	560x700x1900	750x850x1840	750x850x1840	850x1320x2320
除尘排风机外形尺寸(长x宽x高) Outline Size ofDedustina Exhaust Machine (LxWxH) (mm)		600x700x1700	600x700x1700	850x900x1920	850x900x1920	850x1000x2200
注:C、D、E型配置按用户要求自选 Note: Configuration of C、D、E model is depend on chent's requiremrts						

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JGB/W系列 高效包衣机(无孔)

Model JGB/W Series High-efficiency Imperforate Coating Machine



特点:

- 具备了JGB系列高效包衣机的所有特点。
- 具有特殊结构的配风系统，进、排风配管可根据需要相互调换，适用性强。
- 包衣滚筒为无孔结构，可使巾0.6mm以上的素片或微丸进行包衣，包衣工艺范围广。
- 不同物料配备不同风浆，风浆可根据工艺需要陷入或离开物料。
- 具有特殊清洗排水装置。

Features :

- It has all the features of JGB / W Series high-efficiency film coating machine.
- It has a specially structured air distributing system, and the air inlet and exhaust air of pipes can be interchanged according to the needs.
- The drum of film coating adopts impermeable structure. Above 0.6mm tablet for coating, versatile in use.
- Different materials are equipped with different air paddles. The paddles can be embedded into or taken off from the material.
- It has a special cleaning and discharge water device.

工作原理:

素片(丸剂、微丸、小丸等)在洁净、密闭的旋转滚筒内在螺旋式导流板的作用下做复杂的轨迹运动，由PLC控制，按设定的工艺参数自动喷洒包衣辅料。同时在负压状态下，热风由滚筒中心风管一侧导入洁净的热空气通过素片层经陷入素片中密布小孔的鸭嘴型风浆区集到气体分配管的另一侧排出，使喷在素片表面的介质得到快速、均匀的干燥，从而在素片表面形成一层坚、致密、平整、光滑的包衣薄膜或糖衣层。

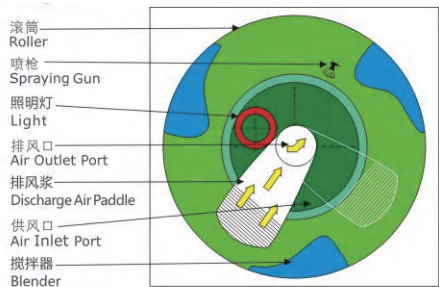
Working theory :

The tablets (micropills, small pills or plain tablets etc) make continuous complicated orbital motion with an a closed rotating drum under the action of a deflector plate. Controlled by PLC, and according to the setting technological parameters. They will automatically spray by spraying gun on the surface of pill. at the same time, hot air is led from one side of air distributing pipe at the center of the drum under a negative pressure cleaning hot air distributing pipe go through tablet layer to collect air for discharging from other side. so that the film coating medium sprayed on the surface of tablets will dry rapidly and evenly, thereby the surface of tablets form a layer of solid, compact, neat and smooth film.

【专利三项】



原理图
Principle Diagram



JGB/W系列 高效包衣机(无孔)

Model JGB/W Series High-efficiency Imperforate Coating Machine



用途:

JGB/W系列高效包衣机(无孔)是对制药工业的片剂、丸剂、微丸、滴丸、颗粒制丸等进行包制糖衣、有机薄膜衣、水溶薄膜衣和缓、控释包衣的一种高效、节能、安全、洁净、PLC控制。符合GMP要求的机电一体化先进设备。是我公司研制、开发成功的高科技产品。

Application :

The JGB/W Series high-efficiency coating machine (imperforate) is high-efficiency, energy-saving, safe, clean, by PLC controlled one equipment which is used for sugar-coating, water-soluble film coating on tablets and pills (including microballs, small water-bindered PHS, drp pills and granulated pills) and it is in conformity with the requirement of GMP and is a high-tech product first successfully developed in China by our company.

主要技术参数 Main Technical Parameters:

项目 Item	型号 Model	JGB/W-10	JGB/W-75	JGB/W-150	JGB/W-350
生产能力 (kg/次) Production capacity (kg/times)		10	75	150	350
滚筒转速(rpm) Drum speed		5-35	3-35	2-20	2-15
主机电机功率(kw) Power of Main Motor		0.75	1.5	2.2	3
高效过滤热风机电机功率(kw) Power of Motor of high-efficiency Filter Hot Air Machine (kw)		0.35	0.55	0.75	1.5
除尘排风机电机功率(kw) Power of Motor of Dedusting Exhaust Machine (kw)		1.5	3	5.5	7.5
主机外形尺寸(长x宽x高)mm Outline Size of Main Body (LxWxH)mm		950x1460x1600	1200x1900x1800	1450x2200x2000	1700x2550x2200
高效过滤热风机外形尺寸(长x宽x高) (mm) Outline Size of high-efficiency Filter Hot Air Machine (LxWxH) (mm)		560x700x1900	750x850x1840	850x1320x2320	1310x1010x2550
除尘排风机外形尺寸(长x宽x高) Outline Size of Dedusting Exhaust Machine (LxWxH) (mm)		600x700x1700	850x900x1920	850x1000x2200	1160x1080x2420
注:C、D、E型配置按用户要求自选 Note: Configuration of C、D、E model is depend on client's requirements					

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JZB-B系列 离心造粒包衣机

Model JZB-B Series Centrifugal Granulating Coating Machine



特点:

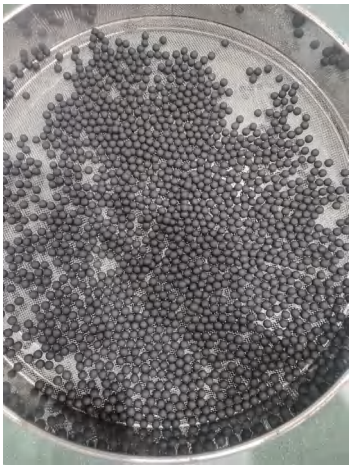
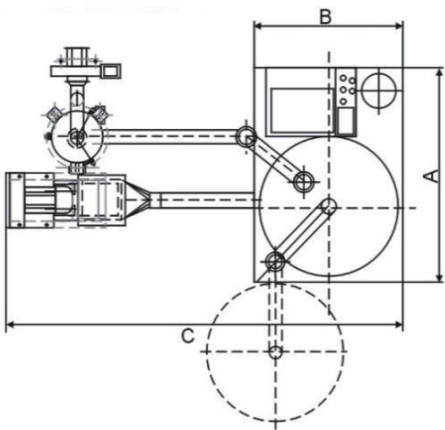
- 具有起母、造粒、包衣三种基本功能。
- 造粒速度快、球粒的真球度高，大小均匀，表面致密光滑，组织分布均匀，合格率高。
- 密闭操作，作业过程无粉尘，物料无损耗
- 采用人机界面操作系统，具有自动造粒功能，可灵活设置多项工艺参数，保障工艺操作和产品质量稳定性好。转盘、供粉、供液、采用变频调速，易于调节控制；
- 供风及除尘风机的风量可根据生产工艺要求调节；清洗烘干方便自动除尘，符合GMP规范的要求。
- 具有多项安全互锁功能。

Features :

- It have pelleting, granulation, coating the three basic functions.
- Pelleting fastly, uniform size, smooth Surface, component evenly distribution the high passing rate
- Sealing operation, dust-free operation of the process, no material loss, Adopt of man-machine interface operating system, an automatic granulating function, set flexibility a number of operating
- parameters and ensure product quality and process operation stablly
- Turnplate, supplu powders&liquid adopt Frequency Control, which is easy to adjust control
- Air volume of Supply&dedusting Machine of production process can adjust as requi rement
- Dry cleaning easily and automatic dedust is in ling with the requirements of GMP norms
- It have anumber of interlocking security features

【专利三项】

原理图
rinciple Diagram



JZB-B系列 离心造粒包衣机

Model JZB-B Series Centrifugal Granulating Coating Machine



工作原理:

将粉状或母粒加入机内的离心转盘上，通过离心力和摩擦力的作用下形成螺旋式绳股状运动，同时黏合剂经喷枪雾化后喷洒在物料上，从而凝聚成微小颗粒(起母)，按规定喷入经雾化的黏合剂与供粉机加入的粉料在螺旋运动中均匀的附在颗粒表面，层层包裹，同时在转盘与外筒间的环缝中不断吹入热风，使丸粒流化干燥，如此反复操作，使丸粒的直径逐步的增大，形成真球度极高的球形丸粒(造粒)。丸粒在螺旋的运动中表面均匀接收雾化的包衣液，同时吹入热风，使丸粒表面形成坚固、细密、光整和圆滑的衣服膜(包衣)。

Working theory :

Materials is put into In the centrifugal turnplate, it will fromthe spiral—shaped strand under the friction and centrifugal force, at the same time, spray gun will spray atomized adhesive as rule, at Wvill form small prllets under the adhesive small droplets. Then as certain rules, atomized adhesive and supply powder that is supplied by supply machine move in the spiral movement to attach evenly on the surface of pellets and cover layer by layer. at the same time, outside the turnplate and the room of outside tube constanty blow hot air to dry grains. like this repeat opeating the diameter of the pill tablets gradually increase lo form the ball grains pillgranulafion) . Pelleting will move spirally receive evenly the atomized liquid coating on the surface, at the same time, blowing hot air make the Surface ofgrains formasolid, smooth coating.

主要技术参数 Main Technical Paramerers:

项目 Item		型号Model	JZB-380	JZB-700	JZB-1000	JZB-1200	JZB-1500
生产能力Product capacity (kw/batch)			0.5-5	10-20	30-50	60-90	100-140
最少母粒输入量(空白粒)Mininput of Pelleting(kg)			0.5	3	5	7	10
最大成粒输出量(空白粒)Max outputof Granules(kg)			5	20	50	90	150
物料收得率Ration of finished materials			≥ 98%				
造粒直径Diameter of turnpate(mm)			0.25-12mm				
放大倍数Magnification times			≤ 2				
转盘直径Diameter of turnplate(mm)			380	700	1000	1200	1500
转盘速度(变频)Turnplates soeed(VFD)(mm)			0-200	0-160	0-150	0-135	0-100
转盘电机功率power ofmotor of turnplate(kw)			1.5	4	5.5	7.5	15
供风量supply air volume(mH)			210	420	530	700	1050
供风机电功率(变频调速)supply air blowermotor power(VFD)kw)			0.85	3	4.3	7.5	12.5
供粉机电功率(变频调速)power of motor power machine(FVD)(kw)			0.18	0.55	0.55	0.75	1.1
供液机电功率(变频调速)power of motorof power liquid(VFD)(kw)			0.18	0.18	0.25	0.55	0.55
蒸汽(可选)压力 Steam (optional) pressre (Mpa)	耗量Consumption)kg/h)		10	20	30	40	50
	压力pressure(mpa)		0.4-0.6				
压缩空气Compressed air	耗量Consumption)kg/h)		0.15	0.2	0.3	0.4	0.4
	压力pressure(mpa)		380	700	0.3-0.5	1200	1500
电加热功率(可选)power of electrical heating(optiona)(kw)			3	10	10	15	15
噪音Noise dB(A)			≤ 60dB(A)				
主机尺寸size of main body	A(mm)		1400	2060	2360	2600	2450
	Bmm)		1000	1010	1240	1400	1700
	C(mm)		1550	2000	2670	2700	4000

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JGB/K 换筒式包衣机

JGB-K Drum-changeable Coating Machine



特点:

- 换筒式包衣机，可根据生产品种的数量选择相适应的包衣滚筒，这样可减少包衣材料、降低成本、节约能源。
- 可换式包衣滚筒根据不同容量包衣滚筒配制不同的进排风内风管，适应不同数量的物料包衣。
- 采用自动清洗装置系统，进行自动清洗，又配备用手用洗枪。设计合理、功能先进、操作简便、清洗彻底。
- 配备了可换筒桶架，防止包衣滚筒交叉污染。

Features :

- Removable coating machine allows various coating rollers in line with the number of products so as to reduce the use of coating materials, save cost and resources.
- Removable coating roller can be equipped with different intake and exhaust ducts in line with specific capacity to satisfy coating of various amounts.
- The auto-cleaning device system provides automatic cleaning, combined with hand washing gun. Reasonable design, advanced functions, convenient operation and thorough cleaning.
- Removable cylinder frame can prevent cross-contamination.

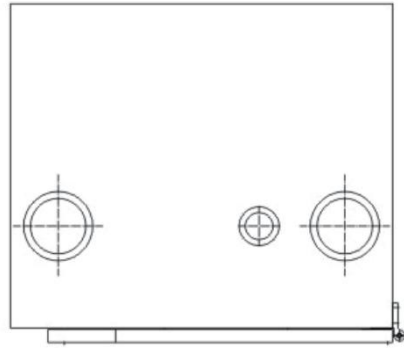
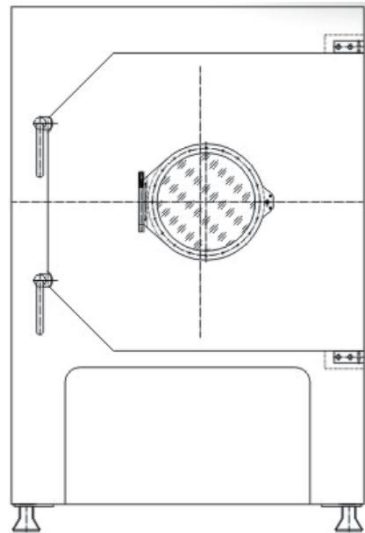
工作原理:

药片在洁净、密闭的旋转滚筒内在螺旋状搅拌桨作用下不停地作复杂的轨迹运动，在运动过程中，按工艺流程和合理的工艺参数，自动喷洒包衣介质，同时在负压状态下供给热风，热风通过药片从滚筒底部排出，使喷洒在药片表面的包衣介质得到快速、均匀的干燥，形成坚固光滑的表面薄膜。

Working theory :

The tablet makes repetitive complex trajectory in the clean and sealed rotatory Cylinder under the spiral impeller. During the movement, coating medium is automatically sprayed according to the technological process and reasonable process parameters. In the meanwhile, hot air is supplied under negative pressure which is then exhausted from the tablet and the bottom so that the coating on the surface of the tablet can receive fast and uniform drying before forming hard and smooth surface film.

注:一体机与组机，客户自选



【专利二项】

JGB/K 换筒式包衣机

JGB-K Drum-changeable Coating Machine



用途:

可换筒式包衣机主要用于制药及食品工业。是片剂、丸剂、糖果等进行有机薄膜包衣、水溶薄膜包衣、缓、控释性包衣、滴丸包衣、糖衣包衣及巧克力、糖果包衣的一种高效、节能、安全、洁净、符合GMP要求的机电一体化的包衣设备。

Application :

Removable coating machine is mainly applied in pharmaceutical and food industries as an efficient, energy-saving, safe and clean electromechanical coating equipment in conformity with GMP requirements in view of organic film coating, water soluble film coating, slow and controlled release coating, pill coating, sugar-film coating for tablet, pill, candy, etc.

主要技术参数 Main Technical Parameters:

型号		JGB/KY-1/3/5	JGB/KY-3/5/10	JGB/K-3/5/10	JGB/K-10/20/35	JGB/K-10/35/50	JGB/K-10/35/75
生产能力 Production capacity	Kg	0.5-1/1.5-3/2.5-5	1.5-3/2.5-5/5-10	1.5-3/2.5-5/5-10	5-10/10-20/20-35	5-10/18-35/25-50	5-10/18-35/40-70
滚筒转速 Drum speed	rpm	5~35	5~35	5~35	3~28	3~25	3~25
主机电机功率 Power of main motor	kw	1.1	1.5	1.5	1.5	1.5	1.5
热风柜功率 Power of hot air cabinet	kw	0.75	1.1	1.1	1.1	1.1	1.1
排风柜功率 Power of exhaust cabinet	Kw	2.2	3.7	4	4	4	4
主机外形尺寸 (长×宽×高)	mm	1130×985×1650	1400×1200×1850	970×920×1650	1240×1050×1800	1280×1100×1880	1350×1190×1965

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JLB系列 流化制粒包衣机

Model JLB Series Fulid-bed Granulating Coating Machine



特点:

- 可兼容多种工艺操作，适用于多品种制粒、包衣、着色。产品既可以是多孔速溶颗粒，也可以是致密球丸；
- 底喷流化态，物料具备严格的运行轨迹，因而可获得均匀连续的衣膜粉体、颗粒、丸掩味、防潮、防水、隔热、着色等隔离包衣，无包衣材料损失，生产成本低；
- 雾粒到达物料线路短，无“喷雾干燥”之患；
- 圆柱形加速容器或倒椎体减速设计,可进行微粒、小粒、大粒、秒丸包衣物料分散性能好,无黏连现象；
- 多枪(三枪及以上)采用独有恒压直线喷液方式，确保流量稳定，包衣膜均匀。

Features :

- Compatible for muliple technics ope rtions: suitable for use In varioustypes of granulation. Coating and coloring, capable of producing multi-pore instant resolving pellets of copmpact granules;
- The materials in a strictly regulated flow state running from bottom to top. achievingeven and continuous coating of powders,pellets,and granules for the purposesof odor masking, moister proof, water proof, heat insulation,pigmentation,and etc;
- No coating material loss; Low production cost.
- Coating material spray running a short distance, avording desiccation;
- Cylinder accelerator or upside-down cone decelerator design: capableof coating pellets and granules of va rious sizes; coating materials welldistributed: NO conalulinalion.

工作原理:

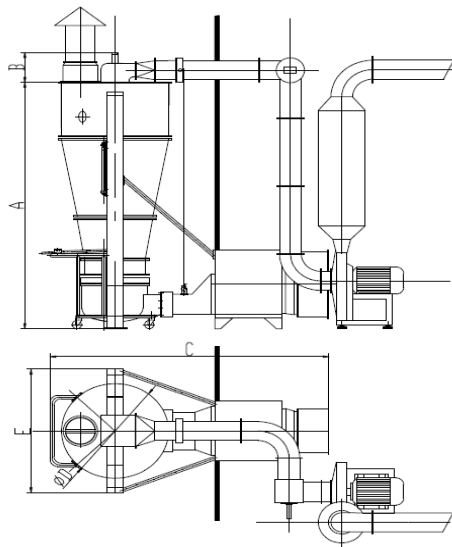
将流态化以及空气输送相结合的新型微粒包衣设备。料槽内粉粒物料受自下而上的气流推动力和自身重力的作用从中心到环周外形成循环往复的流动状态，将随机的流态化改变为规则流。同向喷液，从而完成致密颗粒及微丸的包衣作业。本机广泛适用于膜缓控释、骨架缓释胶囊、丸剂、颗粒粉体等包衣。

Working theory :

This product is a newly developed pellet coating equipment that features the combination of material fluidizationand air flow feeding.The powder matenals in the conveyer are in a circular flow state starting from the center ofan Nshaped ning to the outside of the ring due to the air propulsion from bottom to top and the gravity, Thisimprovement from random flow to regulated f lom leads to the material spraying in a conformed direction. inwhich compact granule and pellet are coated. This product is widely used in sustained. release membranecoating, skkeleton sustainedrelrase capsule, pellet, granulized powders coating and etc.



【专利三项】



JLB系列 流化制粒包衣机

Model JLB Series Fulid-bed Granulating Coating Machine



用途:

该设备适用于医药、食品等行业多品种制粒、丸粒包衣制粒制大颗粒、致密颗粒、多孔性速溶颗粒、多成缓释控释包衣、喷雾干燥及粉状、粒状、团块物料干燥。

Application :

The equipment is used in pharmaceutical, food and other industries to fluidize, to dehydrate and tocoat granules and pellets of different properties: big or compact, with multi- pore instant dissolving orwith multi-layer sustained releasing coating, it also serves as a spray d ryer for powders, granules.or lump materials.

主要技术参数 Main Technical Paramerers:

项目Item		型号 Model	3	5	15	30	60	120	200
生产能力(干克/批) Product capacity ((kw/batch)	顶喷Top spray		3-6	5-12	10-30	20-80	40-150	80-250	200-400
	底喷Bottom spray		3-4.5	5-7.5	20-30	40-60	80-120	150-200	200-300
	切线喷Tangent spray		12-4	4-6	10-20	20-40	50-80	100-160	160-220
水分蒸发量Ecaporation (kg/h)			0.2-1	1-5	3-8	5-10	10-20	20-35	30-50
事宜流体重要范围(g/cm³)			<1.3						
物料收得率Materialyield (%)			≥99						
成品合格率(底喷)Product qualification rate(%)			≥285						
颗粒性能指标Granule property standdard			符合《中国人民共和国药典》2010版要求Compliant with Pharmacopoeia 2010 Edition						
容量容积(L) Volume of container	顶喷Top spray		22	40	100	280	480	720	1000
	底喷Bottom spray		11	20	50	140	210	310	450
	切线喷Tangent spray		15	30	70	180	250	530	760
直径Diameter(mm)			400	550	700	1000	1200	1400	1800
风机功率PowerofBlower (kw)			3	5.5	7.5	11	18.5	30	30
电加热功率Power of Electrical Heating (kw)			3	6	21	30	42	60	80
供液点击功率Power ofMotor of Supply liqaid (kw)			0.37						
蒸汽steam	耗量consumption(kg/h)		40	70	99	210	300	420	530
	压力pressure(Mpa)		0.4-0.6						
压缩空气耗量compressed air consumption(m/min)			0.3	0.4	0.6	0.9	1.3	1.8	2.4
压缩空气压力compressed air pressure(Mpa)			0.4-0.6						
作业温度Operating temperature(°C)			常温-120可调Normal temperature 120Adjustable						
噪声NoisedB(A)			≤75(风机隔离处理)Blowerinsulation						
执行标准Compliance standard JB/T20073-2005			流化床包衣机Fluid-bed coating machine						
主机安装尺寸 Installation of Main Body	A		1890	2080	2900	3200	3510	3790	4000
	B		350	350	590	590	590	590	600
	C		1600	1850	200	2160	2310	3410	4170
	D		400	550	700	1000	1200	1400	1800
	E			868	1010	1362	1590	1822	2130

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JTX系列 料斗清洗机

Model JTX Series Hopper Cleaning Nachine



特点:

该机结构合理、性能稳定、操作方便、整机无死角，是我公司参考国内外同类产品研发的高性能设备。全机采用PLC控制，确保生产安全，优化了生产工艺，完全符合药品生产的GMP要求。

Features :

This machine is provided with rational structure, goodperformance, convenient operation and without dead angles.which is high-efficient equipment designed under the referenceof foreign and domestic counterparts. The whole machine adoptsPLC control.which ensures production safety and optimizesproduction techniques. It completely conforms with the GMP requirements of production.

工作原理:

该机有清洗室、泵站、空气处理单元、控制系统等组成。工作时，开启清洗机的进口门，将使用过的混合料斗、周转料斗等容器推入清洗室内，关闭清洗机的门。按工艺要求设定清洗程序，确认后开机清洗，自动按照设定的程序工作。清洗完毕后，打开清洗机的出门口，将清洗过的容器推出，送到中间站存放，以备生产使用。

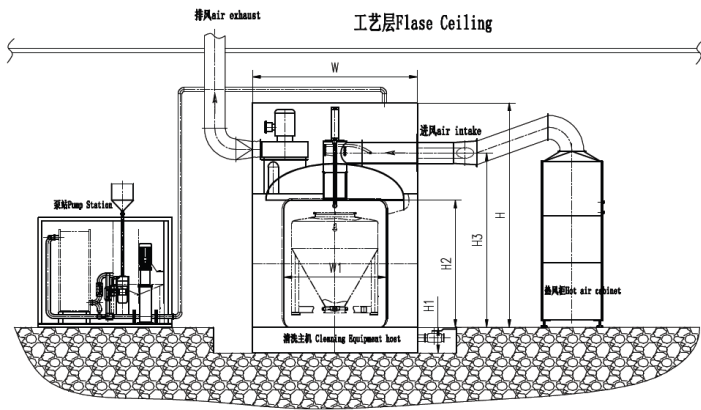
Working theory :

It is composed of cleaning chamber, pump station and airprocessing unit, control system and other parts. During theoperation, the inlet of the cleaning machine is opened to let useomixing and transfer hoppers into the cleaning chamber. After thatthe inlet door is closed. The machine can be started aftercleaning program is set according to technical requirement.Itworks in line with the set program automatically. After thecleaning, the washed containers can be pushed out through theopen door to the medial station for later use.

【专利三项】



原理图
Principle Diagram



JTX系列 料斗清洗机

Model JTX Series Hopper Cleaning Nachine



用途:

该机主要用于制药工业固体制剂生产过程中的容器自动清洗。配一台料斗清洗机能清洗不同规格的混合料斗或周转料斗，是药厂清洗容器的理想设备，同时在制药、化工、食品等行业广泛使用。

Application :

The JGB/W Series high-efficiency coating machine (imperfo rate) is high-efficiency, energy- saving, safe, clean, by PLCcontrolled one equipment which is used for sugar- coating,water-soluble flm coating on tablets and polls(incuding microolls smal Plie water- bindered PIIS drp pils and aranulated pils)andIt is in conformity with the requirement of GMP and is a high-tech prodUctfirst successfully developed in china by our company.

主要技术参数 Main Technical Paramerers:

型号 Model		JTX-400	JTX-600	JTX-800	JTX-1000	JTX-1200	JTX-1500	JTX-2000
泵站功率 Pump power	Kw	3	3	3	5.5	5.5	5.5	5.5
泵站流量 Pump flow	t/h	8	8	8	10	10	10	12
泵站压力 Pump pressure	Mpa	0.65						
压缩空气压力 Compress air pressure	Mpa	0.6						
耗气量 Comp-air consumption	m³/min	2.3	2.3	2.3	2.8	2.8	2.8	3.5
蒸汽压力 Steam pressure	Mpa	0.4	0.4	0.4	0.4	0.4	0.4	0.4
蒸汽流量 Steam flow	Kg/h	330	330	330	330	330	330	330
进风功率 Air intake power	Kw	1.5	1.5	1.5	1.5	1.5	1.5	2.2
排风功率 Air exhaust power	Kw	3	3	3	4	4	4	5.5
转盘功率 Swing power	Kw	0.75	0.75	0.75	0.75	0.75	1.5	1.5
总功率 Total Power	Kw	8.25	8.25	8.25	6.25	6.25	7	9.2
整机重量 Total Weight	T	3.7	3.9	3.9	4.1	4.1	4.3	4.6
W								
W1								
H								
H1								
H2								
H3								

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JLT系列 移动料斗清洗机

Model JTX Series Hopper Cleaning Nachine



特点:

该机结构合理、性能稳定、操作方便、整机无死角，是我公司参考国内外同类产品研发的高性能设备。全机可以移动，确保生产安全，优化了生产工艺，完全符合药品生产的GMP要求。

Features :

This machine is mainly used for container cleaning in solidpreparation in pharmacy industry. It can clean mixing hoppersand transfer hoppers of different sizes as an ideal cleaningmachine in pharmacy factories.Meanwhile, it is widely used inthe industries of pharmacv. chemistrv and food.

工作原理:

该机通过多级离心泵将自来水、热水或者纯水升至高压，然后通过内洗口/外洗口来清洗容器。

Working theory :

It adds high pressure on tap water, hot water or pure waterby multiple-stage centrifugal pump,and cleans containersthrough inside opening/ outside opening.

用途:

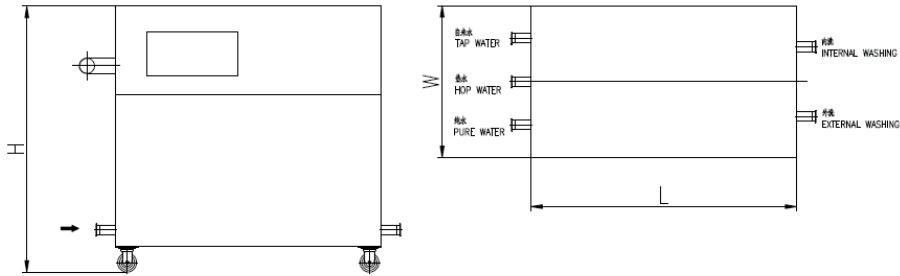
该机主要用于制药工业固体制剂生产过程中的容器清洗。配一台料斗清洗机能清洗不同规格的混合料斗或周转料斗，是药厂清洗容器的理想设备，同时在制药、化工、食品等行业广泛使用。

Application:

This machine is provided with rational structure,goodperformance,convenient operation and without dead angles.which is high-efficient equipment designed under thereference of foreign and domestic counterparts. The wholemachine adopts PLC control, which ensures production safetyand optimizes production techniques.it completely conforms with the GMP requirements of production.

【专利三项】

原理图
Principle Diagram

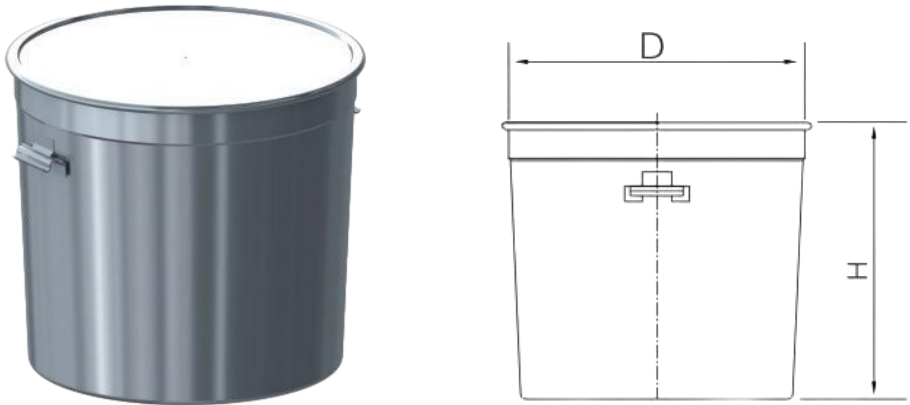


型号 Model			JLT-3	JLT-5	JLT-10	JLT-15
泵站功率	Pump power	t/h	3	5	10	15
泵站压力	Pump pressure	Mpa	0.63	0.63	0.63	0.67
总功率	Total Power	Kw	1.1	2.2	3	5.5
L			1300	1300	1400	1500
W			750	750	800	900
H			1300	1300	1400	1500

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LT料桶

LT Drum

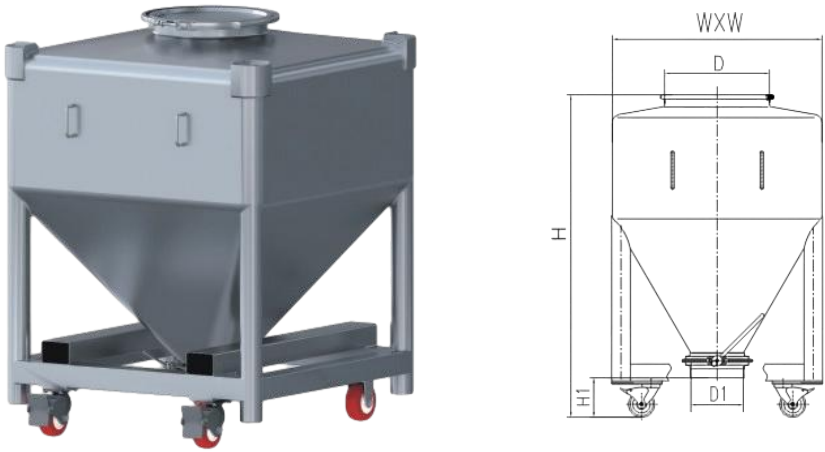


型号 Model	JLT-3	JLT-3	JLT-3	JLT-3	JLT-3	JLT-3	JLT-3	JLT-3	JLT-3	JLT-3	JLT-3
L	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300
W	750	750	750	750	750	750	750	750	750	750	750

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LDF物料周转料桶

LDF Material TurnovBasket



型号 Model	LDF-200	LDF-250	LDF-300	LDF-400	LDF-500	LDF-600	LDF-800	LDF-1000	LDF-1200	LDF-1500	LDF-1800	LDF-2000
容积 Capacity	L	200	250	300	400	500	600	800	1000	1200	1500	2000
壁厚 Thickss	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3	3	3
主要结构尺寸 Main structural dimensions	H	1022	1095	1068	1290	1331	1366	1545	1586	1736	1868	2088
	H1	204	204	204	165	229	151	118	168	181	99	103
	D	400	400	400	400	500	200	500	500	500	500	500
	D1	200	200	200	200	200	200	200	250	250	250	250
	W	594	794	794	794	994	994	994	1194	1194	1194	1194

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全封闭式制粒干燥混合联动线

Totally-enclosed Granulating Production Line



制粒混合联动线主要由双切型高效粉碎机组、湿法制粒干燥机组、整粒混合机组设备组成，各机组设备之间通过真空物料输送系统连接，在无粉尘状态下完成物料的转移，即采用全线联动，又可分机组使用;符合制药工艺的“GMP”的要求。

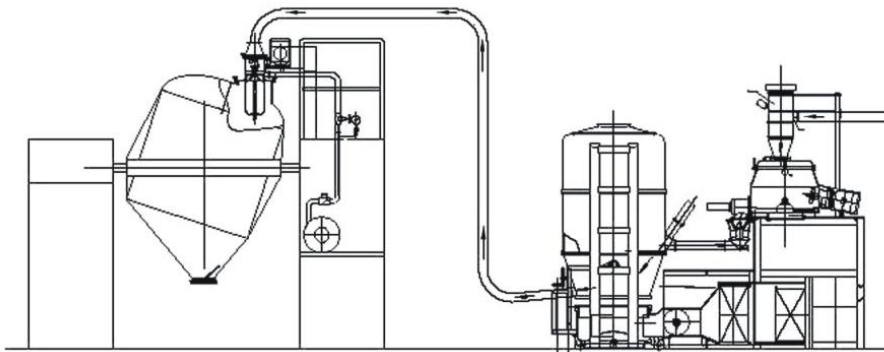
Fuly-encosed Granulator&Dryer&Mixer Bindina-ine s mainly composed of double ut high efficiency grinder set,wet peletng dryer set and straightening mixer set,Sets are connected with vacuum tank system that realize material transfer in dust-free state either in full linkage or separate set,complying with pharmaceutical technology GMP.

1、双切型高速粉碎机组

物料通过真空上料机，将物料输送至粉碎机料斗中，经高速回转的齿片相互作用物料得以有效粉碎，物料经气流作用，通过片式振动过滤筛作用，使物料进行分离，大颗粒自动返回粉碎料仓进行二次粉碎，细颗粒再经机组设有不锈钢制作而成的除尘过滤系统，实现整体无尘作业，效率高。

1、Double cut high efficiency grinder set

Materials are transferred to grinder hopper via acuum feeding machine which receive effectivegrinding through high-speed rotating gears. Materials are separated through airflow effect, reedvibration and filter sieve. Bigger particles automatically return to grinding bin for secondarygrinding and fine particles go through stainless steel dust removal filtration system, whichachieves dust-proof operation and high efficiency.



整粒混合机组

湿法制粒沸腾干燥机组

全封闭式制粒干燥混合联动线

Totally-enclosed Granulating Production Line



2、湿法制粒干燥机组

粉碎合格后的粉体颗粒经真空上料系统作用，通过密闭管道进入该机组制粒机桶体内进行混合制粒，再经整粒后颗粒自动进入沸腾干燥机(由干燥机的离心风机的负压作用下，颗粒进入干燥机的料仓中进行快速沸腾干燥)，提高颗粒的干燥度和均匀性。

2、Wet pelleting dryer set

Qualified powder particles enter set pelleter body for mixed pelleting viavacuum feeding system through closed pipeline, then particles afterstraightening automatically entering boiling dryer (negative pressure ofcentrifugal fan achieves fast boiling drying in dryer bin), which improvesparticle dryness and unifOrmity and prevents space crosscontamination.

3、整粒混合机组

该设备主要由直接式整粒机、真空吸料机和三偏心混合机组组成，其整粒机与混合机的进料口自动对接。干燥完成后的颗粒，通过真空上料系统直接进入整粒机，整粒后再进入混合料桶内进行混合，使颗粒全部在密闭式作业下进行，混合效果达到制药工艺的要求，有效提高了混合的均匀性。

3、Straightening mixer set

The device is composed of direct straightening granulator, vacuum loader and three-eccentricmixer. Feed ports of the straightening granulator and the mixer are automatically docked. Driedparticles directly enter the straightening granulator via the vacuum feeding system before enteringthe mixing box so that particles are all in closed operations to satisfy pharmaceutical processrequirements, which effectively improves mixture uniformity.

4、后置工序

经过混合的颗粒，可进入压片、包衣，或进入胶囊填充，或进入胶囊罐装以及进入冲剂颗粒分装等工序。

4、Post process

Mixed particles can enter processes of tableting, coating, capsulefilling, or capsule canning as well as granule particle sub-packaging.

主要技术参数 Main Technical Paramerers:

项目Item 型号Model	混合湿法制粒机			沸腾干燥机			三偏心混合机		
	型号	制粒容积	最大每批制粒量kg	型号	干燥容积L	最大每批制粒量kg	型号	混合容积L	最大装载量kg
60	JHZ-150C	200	60	JFG-60B	200	60	JPH-1m³	1000	450
120	JHZ-250C	400	120	JFG-120B	400	120	JPH-2m³	2000	900
200	JHZ-400C	650	200	JFG-200B	650	200	JPH-3m³	3050	1350
300	JHZ-600C	1000	300	JFG-300B	1000	300	JPH-4m³	4000	1800

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夹层锅

Jacketed Pan



用途:

不锈钢夹层锅又名夹层蒸汽锅，广泛用于糖果、制药、乳品、酒类、糕点、饮料、蜜饯、罐头等食品加工，也可用于大型餐厅或食堂熬汤、烧菜、炖肉、熬粥等，是食品加工提高质量、缩短时间、改善劳动条件的优良设备。

Application:

StainlBe steel two layer pan called salo two layer steam pan,which is widely used in candies,pharmaceuticals, dairy products, alcohol, Cakes drinks, sweets, canned food,food processing andalso be used for large-scale restaurants. cooking and so on. it improve the quality of food processing theworking conditions and shorten the time.

Note: if you use electric heating, please specify.



主要技术参数 Main Technical Paramerers:

型号 Model		50L	100L	200L	300L	400L	500L	600L
工作压力 Pressure	低压 Low pressure	0.29	0.29	0.29	0.29	0.29	0.29	0.29
	高压 High pressure	0.49	0.49	0.49	0.49	0.49	0.49	0.49
设计温度 Temperature (°C)	低温 Low temperature	143	143	143	143	143	143	143
	高压 High temperature	151	151	151	151	151	151	151
安全阀泄压值 Safety Valve Pressure (Mpa)	低压 Low pressure	0.321	0.321	0.321	0.321	0.321	0.321	0.321
	高压 High pressure	0.536	0.536	0.536	0.536	0.536	0.536	0.536
加热面积 Heating Area (m³)		0.53	0.87	1.23	1.65	1.99	2.21	2.43
夹层内容量 Capacity (L)		14.3	24.2	34.4	42.9	52.7	66.75	73.8
公称直径 Hole of Diameter (inch)	蒸汽入口 Steam inlet	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	冷凝水入口 Water outlet	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	出料阀 Putting out Material valve	1¼"	1¼"	1½"	1½"	1½"	2"	2"
搅拌机转速 Stirring Speed (r/min)		24	24	24	24	24	24	24
电机功率 Motor Power (kw)		0.55	0.55	0.75	1.1	1.1	1.5	1.5

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ZTG系列 自动糖浆配输罐

Model ZTG Sries Automatic Syrup Distribution Tank



特点:

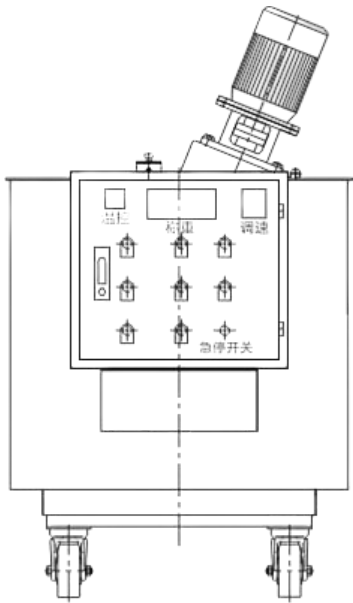
该设备集多种工艺为一体、全自动输送控制。

- 它配有三个不同容量的浆液罐，可同时配置多种不同浓度或颜色的糖浆
- 具有对整个流体全过程保温功能
- 配有浆液乳化装置，保证浆液始终在最佳状态
- 配有浆液高压转子泵输送装置
- 具有高精度定量输送控制系统
- 操作简单、体积小、拆装清洗方便

Features :

The machine set various technique as a whole with automatic transmission control.

- It is equipped with three different capacity of the slumy tank, It can also be equipped with a variety of different concentrations or colors of syrup.
- It provides the heat preservation function to the whole fluid during the whole process.
- It is equipped with serous emulsification device, ensure the slurry is always in the best condition.
- It possesses slurryhigh pressure rotor conveying device.
- It is equipped wth high-precision quantitative conveying control system.
- It is characteristic in terms of simple operation, small size as well as convenient disassembling and cleaning.



主要技术参数 Main Technical Paramerers:

型号 Model	ZTG30	ZTG50	ZTG115	ZTG220	ZTG290
总容积(三罐) Total Volume (Three Cans)	55	75	172	332	435
乳化功率 Emulsifying power	1.1	1.1	1.5	2.2	2.2
转子泵功率 Power of Rotor Pump	0.55	0.55	0.75	1.1	1.1
总功率 Total Power	6	8	11	16	16

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因版面有限不能一一举例，敬请见谅！
Due to limited space, we are unable to provide examples one by one.
Please understand!