

“中药制丸，就选华圆！”

Tthe best pills are from Hua Yuan machines!



天水华圆尚御科技有限公司
Tianshui Huayuan Machinery Technology Co., Ltd.

天水华圆制药设备科技有限责任公司
Tianshui Huayuan Pharmaceutical Equipment Technology Co., Ltd.

地 址：甘肃省天水市麦积区社棠工业园华圆
大道2号

电 话：(86) 0938-2721678

邮 箱：info@hykj.com

网 址：www.huayuan-tech.com



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Address: No.2,Huayuan Avenue,Shetang Economic Development Area,
Maiji District,Tianshui City,Gansu,China

Telephone: (86) 0938-2721678

E-mail: info@hykj.com

Website: www.huayuan-tech.com

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制丸设备系列
Pill Making Machines

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企业简介

公司成立于2001年5月，是中国制药装备行业协会副会长单位、中国制药装备行业标准化技术委员会委员单位、中国干燥协会会员单位、甘肃省节能环保干燥装备产业技术创新联盟发起单位。公司长期致力于新产品研发，走自主创新的发展道路，2011年被认定为国家级“高新技术企业”。公司“中药制造现代化--固体制剂产业化关键技术研究与应用”项目荣获2019年国家科学技术进步二等奖。

公司主要从事中药制丸、干燥、工业微波、自动化包装生产线、医用灭菌柜等五大系列设备的研发、生产和销售，现已开发出300多个不同型号的产品，总体技术水平处于国内领先，部分产品填补了国内空白。中药制丸机、微波干燥灭菌系列产品的国内市场占有率超过60%。产品广泛装备于北京同仁堂、广药集团、上药集团、修正药业、华润集团、太极集团、九芝堂、河南宛西、兰州佛慈、徐福记、雅士利、倪氏玫瑰、金川公司、中石化、北京化工大学等1000余家客户，并出口美国、加拿大、英国、法国、荷兰、捷克、俄罗斯、日本、韩国、印度、印尼、新加坡、马来西亚、香港、台湾等国家和地区，“华圆”已成为享誉海内外的中国药机名牌。

公司研发并拥有自主知识产权的国家专利授权178项，其中发明专利20项，国际专利1项。拥有两件省级著名商标，设有省级企业技术中心--甘肃省中药制药微波应用工程技术研究中心。公司科技成果转化率达75%以上，在中药制药装备领域独树一帜。

公司遵循“高效节能、安全环保”的产品理念，致力于高新装备技术发展，引领中药制药设备潮流，引导食品制造产业升级，围绕中国制造2025，将华圆打造成为全球知名的智能装备领军企业。

企业使命Corporate Purpose and Mission:

- | | |
|-------------|--|
| 对客户负责，服务至上； | Be responsible for customers, service first; |
| 对员工负责，安家乐业； | Be responsible for employees, enjoy a good life; |
| 对股东负责，资产增值； | Be responsible for shareholders, increase asset value; |
| 对社会负责，建设国家。 | Be responsible to the society and build the country. |

Company profile

Founded in May 2001, the company is the vice chairman of China Pharmaceutical Equipment Industry Association, the member of China Pharmaceutical Equipment Industry Standardization Technical Committee, the member of China Drying Association, and the initiator of Gansu energy conservation and environmental protection drying equipment industry technology alliance. The company has long been committed to the development of new products and independent innovation, and was recognized as a national "High-Tech enterprise" in 2011. The company's "modernization of traditional Chinese medicine manufacturing – research and application of key technologies for industrialization of solid preparations" project won the second prize of National Science and Technology Progress Award in 2019.

The company is mainly engaged in the research, development, production and sales of five series of equipment, which including traditional Chinese medicine pill making machine, drying equipment, industrial microwave machine, automatic packaging production line, medical sterilization cabinet and has developed more than 300 different models of products. The overall technical level is in the leading position in China. The domestic market share of Chinese medicine pill making machine and microwave drying sterilization series products is more than 60%. The products are widely equipped in Beijing Tongrentang, Guangzhou Pharma Group, Shanghai Pharma Group, Xiuzheng Pharma, China Resources Group, Taiji Group, Jiuzhitang Pharma, Henan Wanxi Pharma, Lanzhou Foci Pharma, Hsu Fu Chi International Group, Yashily Group, Ni' s Int, Jinchuan Group Co, Sinopec, Beijing University of chemical technology and other more than 1000 customers. These equipments are exported to the United States, Canada, Britain, France, Netherlands, Czech Republic, Russia, Japan, South Korea, India, Indonesia, Singapore, Malaysia, Hong Kong, Taiwan and other countries and regions, "Huayuan" has become a famous brand of Chinese pharmaceutical machinery at home and abroad.

Following the product concept of "high efficiency, environmental protection and safety", the company is committed to high-tech development, leading the trend of traditional Chinese medicine pharmaceutical equipment, guiding the upgrading of food manufacturing industry, and building our company as a world-famous leading intelligent equipment enterprise according to the Plan of Made in China 2025.

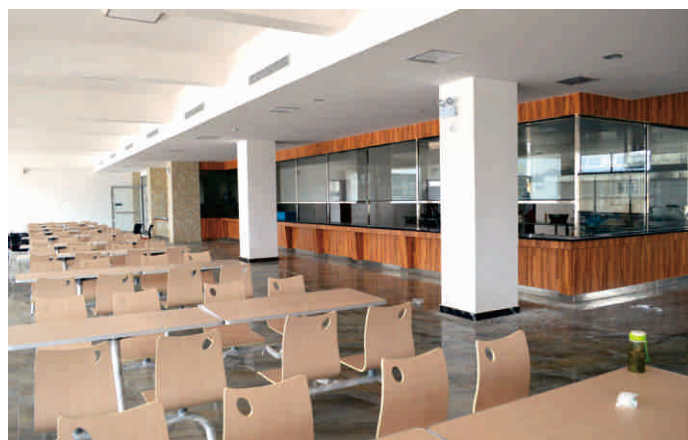




现代化的办公设施 营造和谐轻松的氛围 促成高效的工作

我们不断投入和改善，努力为员工提供安全、健康和愉悦的工作环境。我们始终鼓励员工在工作中学习，在学习中成长。成为对客户负责、对社会有用的人才。壮大企业、贡献社会是华圆人的共同追求。不断为用户创造财富，为社会奉献价值，把华圆建设成为引领行业发展潮流的优秀企业。

We continue to invest in and improve, and strive to provide employees with a safe, healthy and pleasant working environment. We always encourage employees to learn at work and grow in learning. Be responsible to customers and useful to society. The common pursuit of Huayuan people is to strengthen enterprises and contribute to society. We will continue to create wealth for customers, contribute value to the society, and build Huayuan into an excellent enterprise that leads the development trend of the industry.



办公楼 The office building



记录今日收获，确定明日起点

Recording today's harvest and determining tomorrow's starting point

荣誉的取得，归功于每一位默默奉献的华圆人，也是对华圆追求品质的鼓舞和鞭策。不满足于现状、不断向新的台阶迈进，是华圆人锐意进取、永不停歇的信念。

The achievement of the honor is attributed to every Huayuan person who silently contributes, and is also an inspiration and spur to Huayuan's pursuit of quality. Not satisfied with the status quo, and constantly moving forward to a new level, is the commitment of Huayuan people to forge ahead and never stop.

做 精 做 强



客户信赖来自卓越品质 发展动力源于持续研发

Customers' trust comes from excellent quality
Development power comes from continuous R&D



企业发展历程

Enterprise development history



2003年

被甘肃省科技厅认定为“高新技术企业”
In 2003, the company was approved as a "High-Tech enterprise" by Department of Science and Technology of Gansu Province

2004年

《中药制丸、灭菌、包装成套设备》项目获得国家重点新产品计划立项
In 2004, the project of "Traditional Chinese Medicine Pill Making, Sterilizing, Packaging Complete Equipment" was approved by the National Key New Products Project

2005年

《智能中药制药生产线技术改造专项项目》 获得甘肃省发改委立项
In 2005, the project of "Intelligent Pharmaceutical Production Line Technical Transformation" was approved by Gansu Development and Reform Commission

2006年

微波提取、微波干燥项目被列入2006年国家重点火炬计划
In 2006, the project of "Microwave extraction and microwave drying" were listed in the 2006 National Key Torch Plan

2007年

我公司与武汉工程大学联合成立“微波应用工程技术研究中心”
In 2007, our company and Wuhan University of Engineering jointly set up "Microwave Applied Engineering Technology Research Center"

2008年

我公司技术中心被甘肃省政府认定为“省级企业技术中心”
我公司被评为“守合同重信用”企业
《箱式微波真空干燥机》项目获甘肃省科学技术进行三等奖
In 2008, the technology center of our company was recognized by Gansu Provincial Government as "Provincial Enterprise Technology Center"
Our company was named "abide by contract and credit" enterprise
"Box Type Microwave Vacuum Dryer "won the third prize of Gansu province science and technology

2009年

“甘肃省中药制药微波应用工程研究中心” 落户我公司
In 2009,"Gansu Province Chinese Medicine Microwave Applied Engineering Research Center" settled in our company

2010年

我公司“华圆”品牌被评为“甘肃省著名商标”
In 2010, "HUAYUAN" brand was named as"Gansu Province Famous Trademark"

2011年

董事长李晟获得“甘肃省十大发明家” 称号
被认定为国家级“高新技术企业”
In 2011,Li Sheng, Chairman of board, won the title of "Top 10 Inventors in Gansu Province"
Our company was recognized as the state-level "The High-Tech enterprise"

2012年

我公司被评为“诚信守法企业”
In 2012, our company was named as"The honest and law-abiding enterprise"

2013年

我公司被评为“甘肃省私营企业100强”
In 2013, our company was named as"Top 100 Private Enterprises in Gansu Province"

2014年

我公司被评为“人才工作先进企业”
In 2014, our company was named as"Advanced Enterprise of Talent Work"

2015年

我公司被评为“甘肃省企业质量信用等级A级企业”
In 2015,our company was named as"Gansu Province enterprise quality credit grade A"

2016年

作为发起单位牵头成立“甘肃省节能环保干燥装备产业技术创新联盟”
in 2016, As the initiator, leading the establishment of "Gansu energy saving and environmental protection quality drying equipment technology innovation alliance"

2017年

我公司被评为“2017年度科技创新先进企业”
In 2017, our company was named as"Science and Technology Innovation Advanced Enterprise"

2018年

我公司被评为“甘肃省推动非公有制经济跨越发展先进集体”
In 2018, our company was named as"The leapfrogging advanced company of promoting the development of private economy in Gansu Province"

2019年

《中药制造现代化--固体制剂产业化关键技术研究与应用》项目荣获国家科学技术进步二等奖
In 2019,The project of "Modernization of Chinese Medicine Manufacturing - Research and Application of Key Technologies of Solid Preparation Industrialization" won the second prize of National Science and Technology Progress

合作共赢 共创新绩

Coperating and win-win, gaining new achievements together

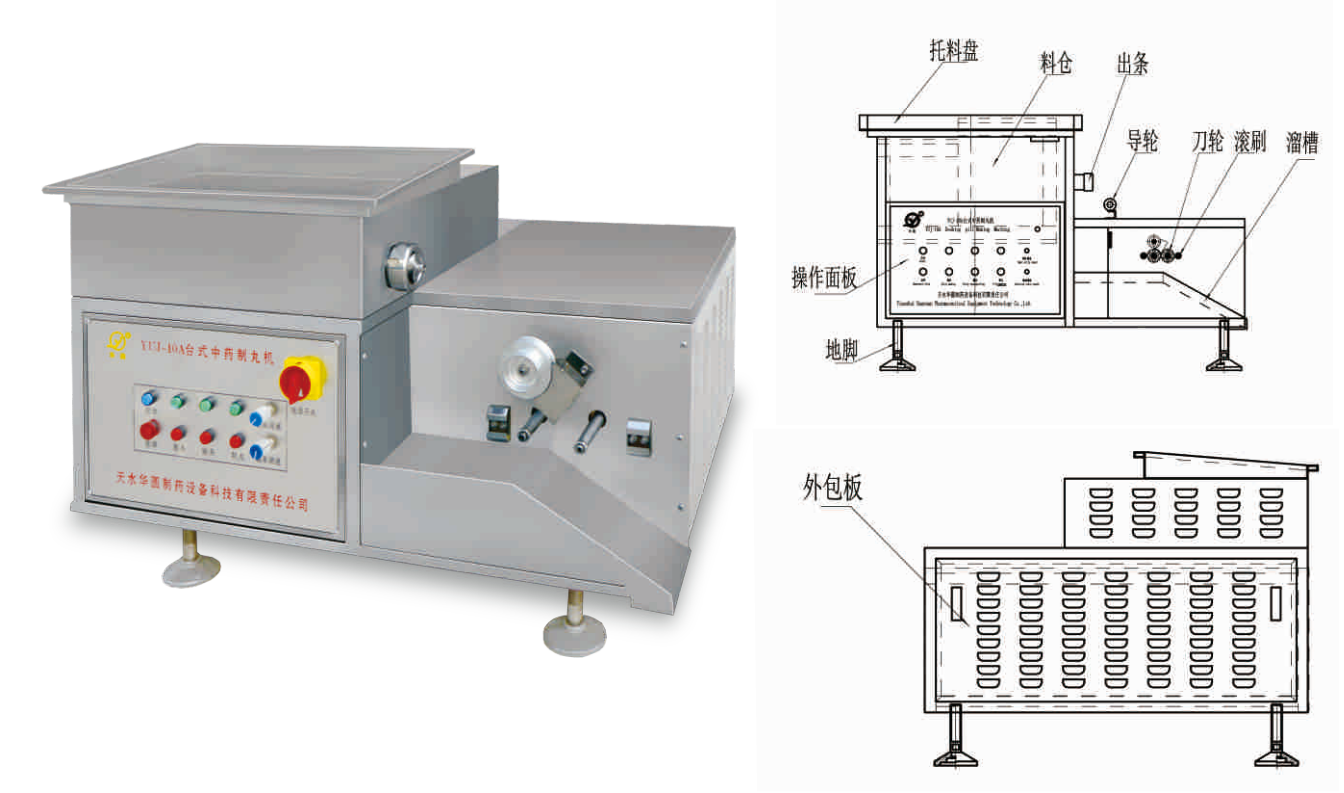


华圆已与国内外众多知名企业达成战略合作伙伴关系。华圆今天的成就，离不开每一个华圆人的坚持与奋斗，更离不开广大战略合作伙伴多年的相伴与支持。华圆一直怀着一颗感恩的心，在今后的岁月里，与您合作共赢，共同成长。

Huayuan has reached strategic partnership with many well-known enterprises at home and abroad. Huayuan's achievements today are inseparable from the persistence and struggle of every Huayuan person, and also from the company and support of the vast number of strategic partners for many years. Huayuan has always been with a grateful heart. In the years to come, we will cooperate with you for win-win results and grow together.



YUJ-10A台式制丸机
Desktop Pill Making Machine



主要用途:

是各企业生产小蜜丸、水丸、浓缩丸等不同丸剂而研制的制丸设备，其适用于小型药厂、大中型药厂试制室、中药研究所、中药丸科研单位、医院、中药店（房）、滋补品销售网站柜台现场加工及食品厂的丸状食品开发等单位对丸剂的研制及小批量生产，适合放在工作平台上使用。

体积小、重量轻、运行平稳。可与其它微型设备配套组成微丸生产线。

工作原理:

将混合或炼制好的药料送入料仓内，在螺旋推进器的挤压下，制出一根或三根直径相同的药条，经过刀轮、顺条器同步进入制丸刀轮中，经过快速切磋，制成大小均匀的药丸。

结构特点:

1、台式结构，体积小，重量轻，运行平稳。本机由出条和制丸两部分组成，箱式结构，横向出条，构造简单，操作容易，性能稳定，维修方便。2、与药物接触的部位及外观表面均采用不锈钢材料制造，工作面无死角，密封性好，拆卸、清洗方便，符合GMP要求。生产不同规格大小的药丸时，只需更换出条嘴的大小并配以不同规格大小的制丸刀即可。

技术参数Technical parameters:

型号 model	生产规格 The production specification	生产效率 The production efficiency	电机总功率 Total motor power	外形尺寸 Overall dimensions	电源 The power supply	重量 The weight of the
YUJ-10A	φ2~φ10	2-5kg/h	1.85KW	850×720×530	380V 50Hz	100kg

Main USES:

Is each enterprise production of small honey pill, water pills, pills enrichment developed by different pills and pelletizing equipment, it is suitable for small companies, large and medium-sized pharmaceutical factory test room, traditional Chinese medicine (TCM) scientific research units, hospitals, Chinese medicine research institute, the pills (room), tonic network * the bolus of food processing and food factory development and other units to the development of the pills and small batch production, suitable for on the working platform.

Small size, light weight, smooth operation. It can be matched with other micro equipment to form a micro pellet production line.

Advantages:

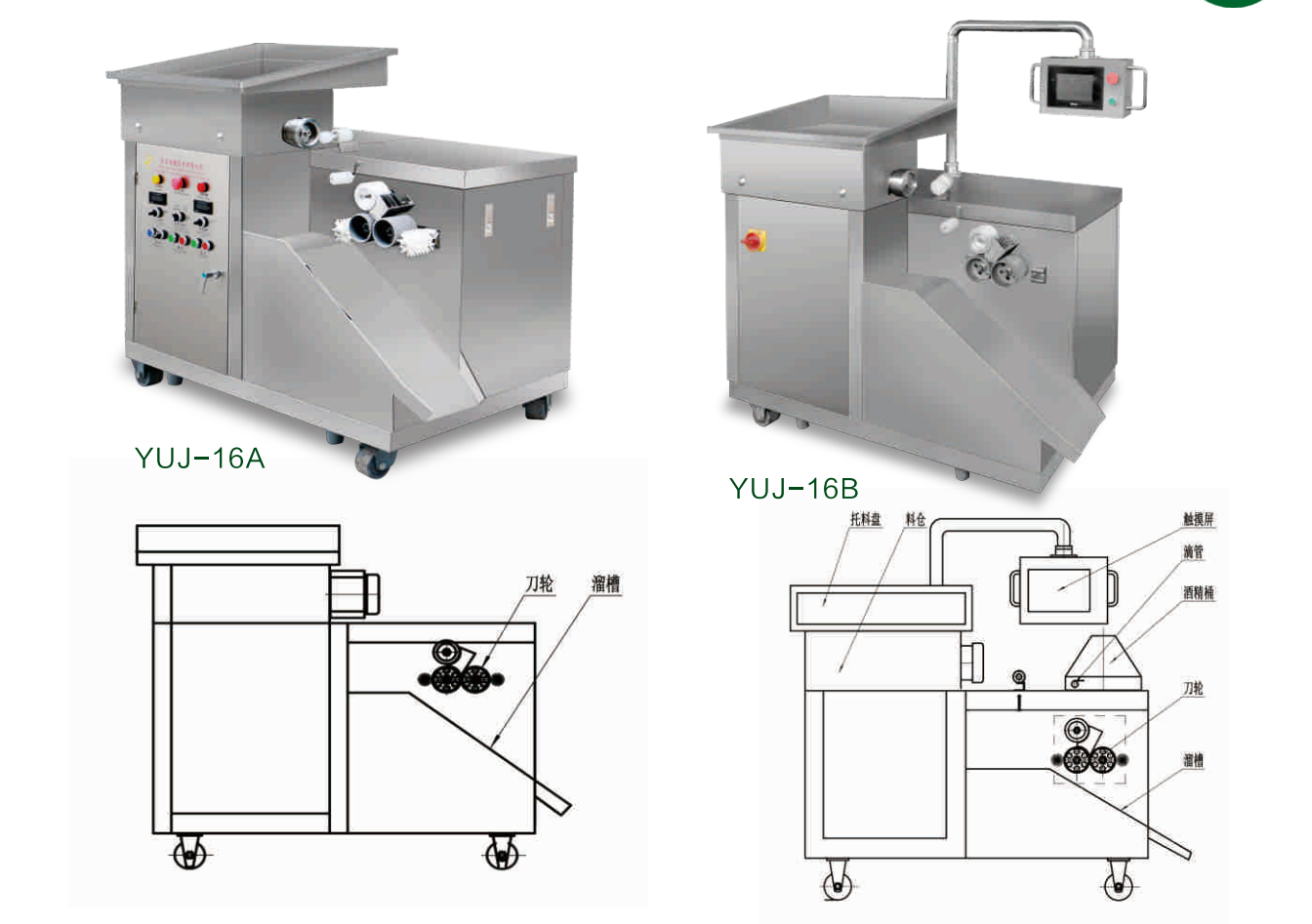
Working principle:

The mixed or refined materials are sent into the silo, and under the extrusion of the screw propeller, one or three medicine strips with the same diameter are made, which are synchronously entered into the pellet-making knife wheel after passing through the knife wheel and the stripper, and the pills of uniform size are made after rapid comparison.

Structural features:

The mixed or refined materials are sent into the silo, and under the extrusion of the screw propeller, one or three medicine strips with the same diameter are made, which are synchronously entered into the pellet-making knife wheel after passing through the knife wheel and the stripper, and the pills of uniform size are made after rapid comparison.

YUJ-16A/B全自动速控中药制丸机
automatic speed controlled pill making machine



主要用途:

本机为我厂专利系列产品之一，专门生产φ3~φ12mm的水丸、蜜丸、浓缩丸、藏药丸等中药丸剂。适用于产量较小的药厂、科研单位、中医院制剂室等。系统、安全保护系统及操作系统等组成。

将药粉加配料（如：水、蜜、提取液或浸膏）混合搅拌均匀后通过制丸机将药物挤压成条状输送出条，再沿导轮、顺条器顺利进入成型刀轮快速切磋制成药丸。

混合-炼制-制丸-干燥。还可根据所制药丸丸径大小需要更换不同规格的刀轮，即可连续搓制出所需的药丸。

工作原理:

工艺路线:

结构特点:

现有按钮控制的16A型与触摸屏控制的16B型两种机型，其中16B是操作触摸屏，控制元件采用PLC可编程序控制器、编码器等高新技术，自动化程度高，拖动部分采用进口交流变频器控制，操作简单，与药物接触的部位及外包板均采用不锈钢材料，工作面无死角，易于清理，符合GMP要求。

Main purpose:

This machine is one of my factory patent series products, specializing in the production of 3 ~ 12mm water pills, honey pills, concentrated pills, Tibetan medicine pills and other Traditional Chinese medicine pills. Suitable for small production of pharmaceutical factories, scientific research units, traditional Chinese medicine hospital preparation room.

The powder is mixed with ingredients (such as water, honey, extract or extract) and mixed evenly. After that, the drug is extruded into strips by the pellet-making machine and transported out, and then smoothly into the shaping knife wheel along the regulating wheel and the strainer for quick preparation of pills.

Working principle:

Process route:

Process route:

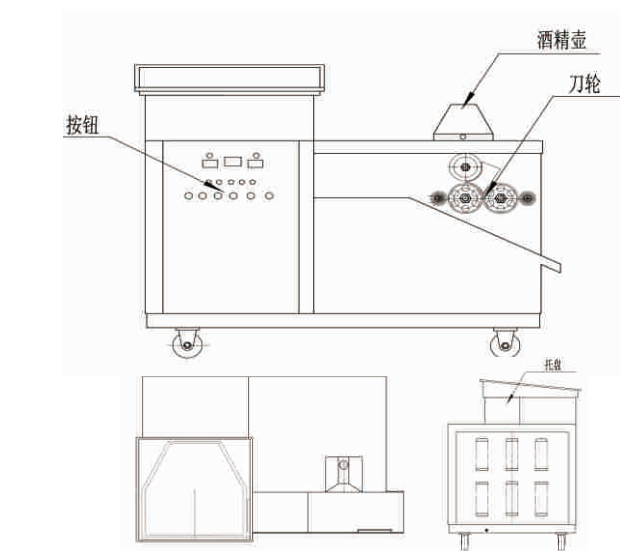
16 of the existing push button control and touch screen control 16 type b two kinds of models, including 16 b is with touch screen operation, control components adopt PLC programmable controller, encoder, such as new and high technology, high degree of automation, drag part adopts imported ac inverter control, simple operation, and drug touching part and outsourcing plate adopt stainless steel material, face no dead Angle, easy to clean, in line with the GMP requirements.

技术参数specifications:

序号 Theserial number	型号 model	生产规格 The production specification	生产效率 The production efficiency	电机总功率 Total motor power	电源 The power supply	重量 The weight of the	外形尺寸 Overall dimensions
1	16A	φ3~φ12mm	5~50kg/h	3.7KW	380V 50Hz	500kg	1250×750×1100
2	16B	φ3~φ12mm	5~50kg/h	3.7KW	380V 50Hz	500kg	1250×750×1100

YUJ-17A/B/BL全自动速控中药制丸机

17A/B/BL automatic speed controlled pill making machine



主要用途The main purpose:

本机为华圆公司开发的第二代专利产品，主要针对难加工的物料如：高粘、松散，微丸的生产。 This machine is the second generation patent product developed by Huayuan Company, which is mainly aimed at difficult-to-process materials such as; High viscosity, loose, production of pellets.

结构特点Structural characteristics of:

本机主要内部结构件为华圆独家所有，受专利保护。其独特性、稳定性非常突出。搓丸弹簧终身不断，主要在使用多年后，磨损极小。电器控制利用光电传感器发出信号对速度精确控制，解决了拉伸或堆积现象，电器控制更稳定。

工作原理The working principle of:

将混合或炼制好的物料送入料仓内，在螺旋推进器的挤压下，制出6-10根规格相同的药条，在光电测速的跟踪下，经过导轮，顺条器同步进入制丸刀具中，经过快速切磋，制成大小均匀的药丸。 Mixed or refined materials are sent into the silo, and 6-10 pellets of the same specifications are made under the extrusion of the propeller. Under the tracking of photoelectric speed measurement, the pellets are synchronously entered into the pellet-making tool through the regulating wheel and the strainer, and the pills of uniform size are made after rapid comparison.

The main internal structure of the machine is owned exclusively by Huayuan and protected by patent. Its uniqueness and stability are very outstanding. The ball spring life is ceaseless, basically be in use after many years, wear is very little. The electric control USES the signal of the photoelectric sensor to control the speed accurately, which solves the stretching or piling phenomenon, and the electric control is more stable.

YUJ-17BZ全自动速控中药制丸机

automatic speed – controlled pill – making machine



主要用途Main purpose:

本机为华圆公司开发的第三代专利产品，主要针对高粘度，高硬度的药料丸粒生产。

This machine is the third generation patent product developed by Huayuan Company, mainly for the production of high viscosity, high hardness of drug pellets.

工作原理The working principle of:

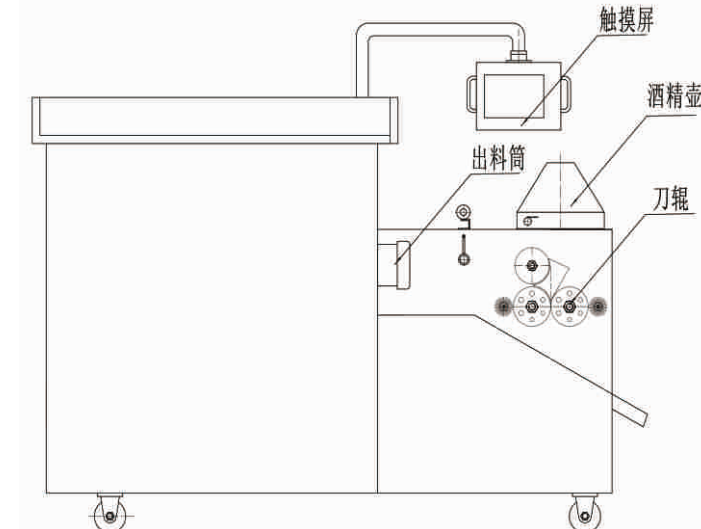
将混合或炼制好的物料送入料仓内，在螺旋推进器的挤压下，制出相同规格的药条，在光电测速的跟踪下，经过导轮，顺条器同步进入制丸刀具中，经过快速切磋，制成大小均匀的药丸。

The mixed or refined materials are sent into the silo, under the extrusion of the propeller, the drug strips of the same specification are made, and under the tracking of photoelectric speed measurement, they are synchronously entered into the pellet-making tool through the regulating wheel and the strainer, and the pills of uniform size are made after rapid comparison.

结构特点TheStructural characteristics of:

将混合或炼制好的物料送入料仓内，在螺旋推进器的挤压下，制出相同规格的药条，在光电测速的跟踪下，经过导轮，顺条器同步进入制丸刀具中，经过快速切磋，制成大小均匀的药丸。

The mixed or refined materials are sent into the silo, under the extrusion of the propeller, the drug strips of the same specification are made, and under the tracking of photoelectric speed measurement, they are synchronously entered into the pellet-making tool through the regulating wheel and the strainer, and the pills of uniform size are made after rapid comparison.



工作原理The working principle of:

将混合或炼制好的物料送入上部炼药仓内将药物炼合成组织均匀，软硬相同，致密性一致的条状物料。然后再顺势送入下方制丸料仓中经过螺旋推进挤压制成规格一致的药条经过制丸刀具快速切磋，制成大小均匀的药丸。

The mixed or refined materials are sent to the upper mixing silo, and the drugs are refined into strip materials with uniform tissue, same soft and hard, and same compactness. Then it is sent to the lower pellet-making silo to be made into the same specifications through spiral pushing and extrusion. After being quickly compared with the pellet-making tool, pills of uniform size are made.

结构特点TheStructural characteristics of:

- 1.本机采用PLC可编程序控制器，编码器等高新技术，自动化程度高，采用人机界面，操作简单。
- 2.本机具有上螺旋挤出结构，一套做炼药，一套做制丸，既可一体两用，也可单独操作，对物料的适应性强，可满足各种药丸的生产。
1. This machine adopts PLC programmable controller, encoder and other high-tech, high degree of automation, man-machine interface, simple operation.
2. This machine has upper spiral extrusion structure, one for refining medicine and one for pill making, which can be used as an integrated whole or operated separately. It has strong adaptability to materials and can meet the requirements of various pill production.

主要用途The main purpose:

本机为华圆公司开发的第五代产品，本机集中炼药，搓丸为一体的设备。专门为产量不高，品种多的用户设计。 This machine is the fifth generation product developed by Huayuan Company. It is an integrated device for mixing medicine and making pills. Specially designed for users with low yield and many varieties.

技术参数specifications:

序号 The serial number	型号 model	生产规格 The production specification	生产效率 The production efficiency	电机总功率 Total motor power	电源 The power supply	重量 The weight of the	外形尺寸 Overall dimensions	备注 note
1	YUJ-17A	φ3~φ12mm	20~180kg/h	7.2kW	380V 50Hz	750kg	1570×920×1350	无触摸屏 No touch screen
2	YUJ-17B	φ3~φ12mm	20~180kg/h	7.35kW	380V 50Hz	750kg	1570×920×1540	带触摸屏 With touch screen
3	YUJ-17BZ	φ3~φ12mm	20~180kg/h	9.35kW	380V 50Hz	750kg	1950×990×1540	带触摸屏 With touch screen
4	YUJ-17BL	φ2~φ10mm	2~5kg/h	1.85kW	380V 50Hz	100kg	850×720×530	

YUJ-18BZ全自动速控中药制丸机

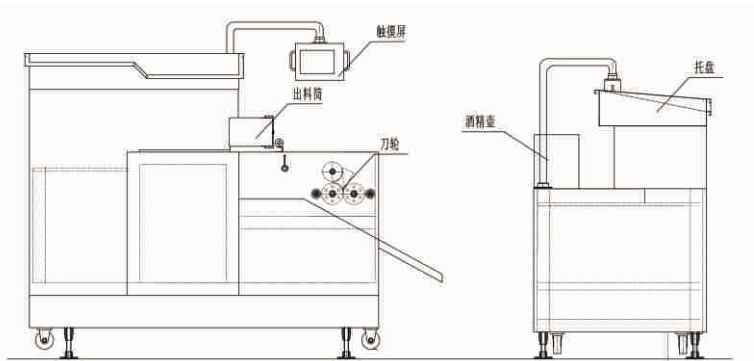
automatic speed controlled pill making machine



主要用途Main purpose:

本机为华圆公司开发的第四代专利产品，主要针对高粘度，高硬度，产量要求高的生产。

This machine is the fourth generation patent product developed by Huayuan Company, mainly aiming at the production with high viscosity, high hardness and high output requirement.



工作原理The working principle of:

将混合或炼制好的物料送入料仓内，在螺旋推进器的挤压下，制出相同规格的药条，在光电测速的跟踪下，经过导轮，顺条器同步进入制丸刀具中，经过快速切磋，制成大小均匀的药丸。

The mixed or refined materials are sent into the silo, under the extrusion of the propeller, the drug strips of the same specification are made, and under the tracking of photoelectric speed measurement, they are synchronously entered into the pellet-making tool through the regulating wheel and the strainer, and the pills of uniform size are made after rapid comparison.

结构特点Structural characteristics of:

1.本机采用PLC可编程序控制器，编码器等高新技术，自动化程度高，采用人机界面，操作简单。

2.较YUJ-17型相比，保持原有机型的优点，制丸传动方式改为直连式，针对高粘度，高硬度的物料。运行更加平稳，产量更大。

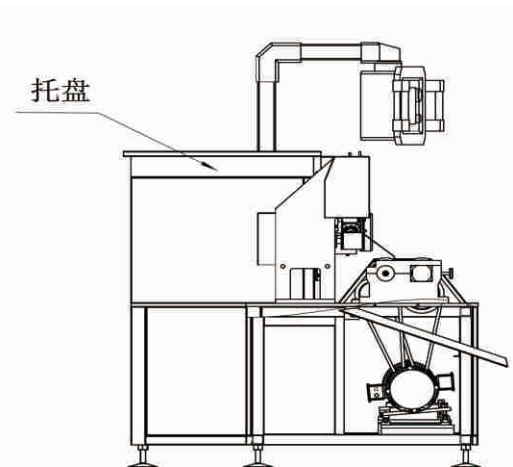
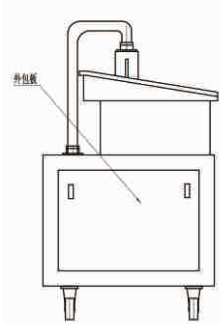
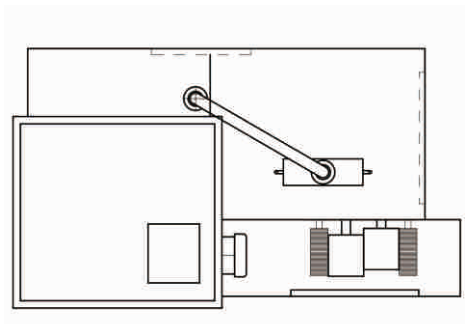
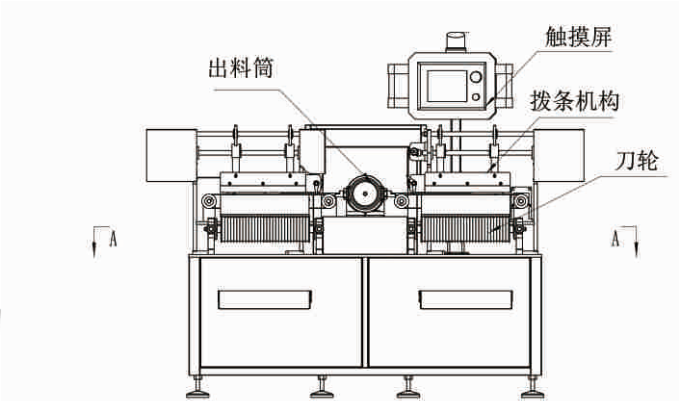
The mixed or refined materials are sent into the silo, under the extrusion of the propeller, the drug strips of the same specification are made, and under the tracking of photoelectric speed measurement, they are synchronously entered into the pellet-making tool through the regulating wheel and the strainer, and the pills of uniform size are made after rapid comparison.

技术参数Technical parameters:

型号 model	生产规格 The production specification	生产效率 The production efficiency	电机总功率 Total motor power	外形尺寸 Overall dimensions	电源 The power supply	重量 The weight of the
YUJ-18BZ	φ 5 ~ φ 12mm	20-100kg/h	9.5KW	2130 × 990 × 1670	380V 50Hz	800kg

双对辊制丸机

Double roll pill making machine



工作原理The working principle of:

将炼好的合成物料放入料斗内，通过翻板翻转挤压，在推进器的作用下，药条由两侧料嘴挤出。当药条达到一定长度时，由自动切刀切断，再由分配器以特定的速度将药条送入滚刀内。滚刀的位置和输送带松紧可分别通过微调装置进行调整，操作方便。

The prepared synthetic material is put into the hopper and extruded by turning over the plate. Under the action of propeller, the charge strip is extruded by the feed nozzle on both sides. When the dispenser reaches a certain length, it is cut off by the automatic cutter, and then the dispenser sends the dispenser into the hob at a specific speed. The position of the hob and the tightness of the conveyor belt can be adjusted by the fine-tuning device, which is easy to operate.

主要用途Main purpose:

该机主要用于我国传统中药多规格丸剂的生产，是新一代重要制丸设备，该机体积小、噪音低、操作及维修方便、生产效率高；特别适合藏药丸、蒙药丸等制作。也可用于食品、化工等行业。

This machine is mainly used in the production of multi-specification pills of Traditional Chinese medicine. It is an important new generation of pill making equipment. It has small volume, low noise, convenient operation and maintenance, and high production efficiency. It is especially suitable for making Tibetan medicine pills and Mongolian medicine pills. It can also be used in food, chemical and other industries.

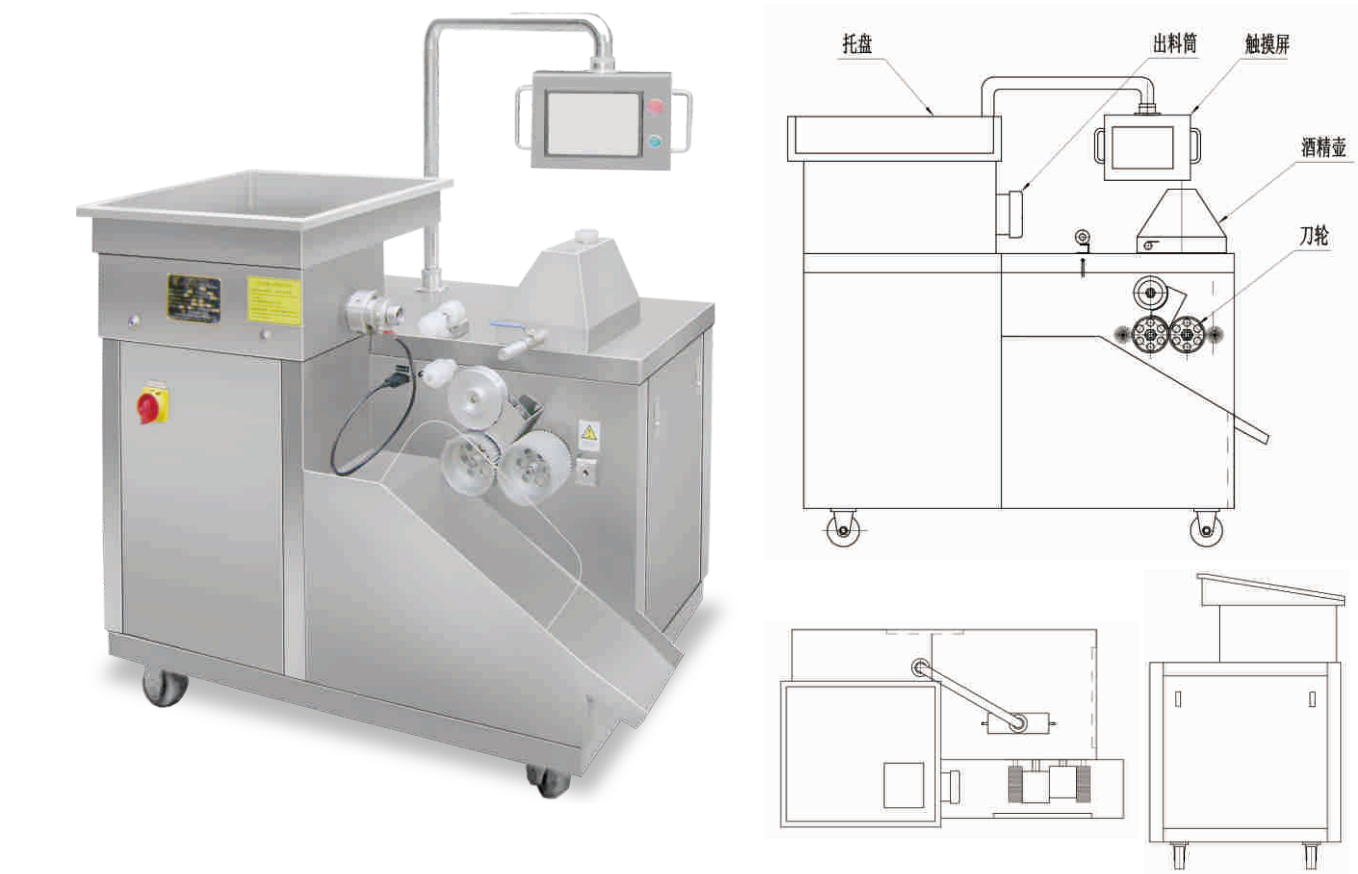
结构特点Structural characteristics of:

该机采用框架式结构，运转平稳，具有噪音小、操作方便、便于维修、药丸光亮、重量准确等优点。也保持用蜡油圆丸的传统。并设置自动送条、自动切条、自动推条功能，成品、药头可以自行分路，从而降低劳动强度。该机由变频器控制送、切、推条速度，从而保证丸重差异，提高出丸合格率。具有自动化程度高、操作便捷，丸重差异控制精确等优点。同时采用了可调速电机，在一定磨损范围内，可保证出条速度以及产量。

The machine adopts frame structure, running smoothly, has the advantages of small noise, easy operation, easy maintenance, pill brightness, accurate weight and so on. The tradition of using round balls in wax oil is also maintained. Automatic feeding, automatic cutting and automatic pushing functions are set up. The finished product and drug head can be separated by themselves, thus reducing labor intensity. The speed of feeding, cutting and pushing is controlled by frequency converter, so as to ensure the difference of weight and improve the pass rate of pills. It has the advantages of high degree of automation, convenient operation and accurate control of shot weight difference. At the same time using adjustable speed motor, in a certain range of wear, can ensure the speed and output.

YUJ-16C全自动大蜜丸制丸机

YUJ-16C Automatic Large-scale Herbal Pills Machine



主要用途Main applications:

本机型为小型中药制丸设备，主要用于生产1g-6g之间的蜜丸或直径在3-18mm蜜丸，适用于小批量多品种的生产。

This model is small capacity equipment in Chinese medicine pills, mainly used to produce Chinese herbal medicine pills, diameter 1 g-6g or 3-18 mm. It is suitable for small batch and multi-variety production.

结构特点Structural features:

本机主要为一些小型药厂、医院制剂室等设计，它在原16A型优点的基础上增加了大蜜丸生产功能，实现了一机多用，并且节约厂地，易操作，还可增加加热套或冷却套，满足制丸过程中冷却或加热的需要，使加工过程更稳定流畅，药丸更均匀标准。

工作原理Working principles:

将混合或炼制好的软材质投入到料仓中，在螺旋推进挤压下，制出药条，药条通过光电测速器，导轮，顺条器等进入制丸刀轮，经过制丸刀轮快速切磋，制成大小均匀的药丸。

Feed the powder of the ingredients (such as: Water, honey, extract liquid or sugar liquid) are mixed and stirred evenly in mixing machine, and the medicine is extruded the strips by the pill making machine to deliver the strips, and then smoothly enter the for cutter roller along the guide wheel to quickly make pills.

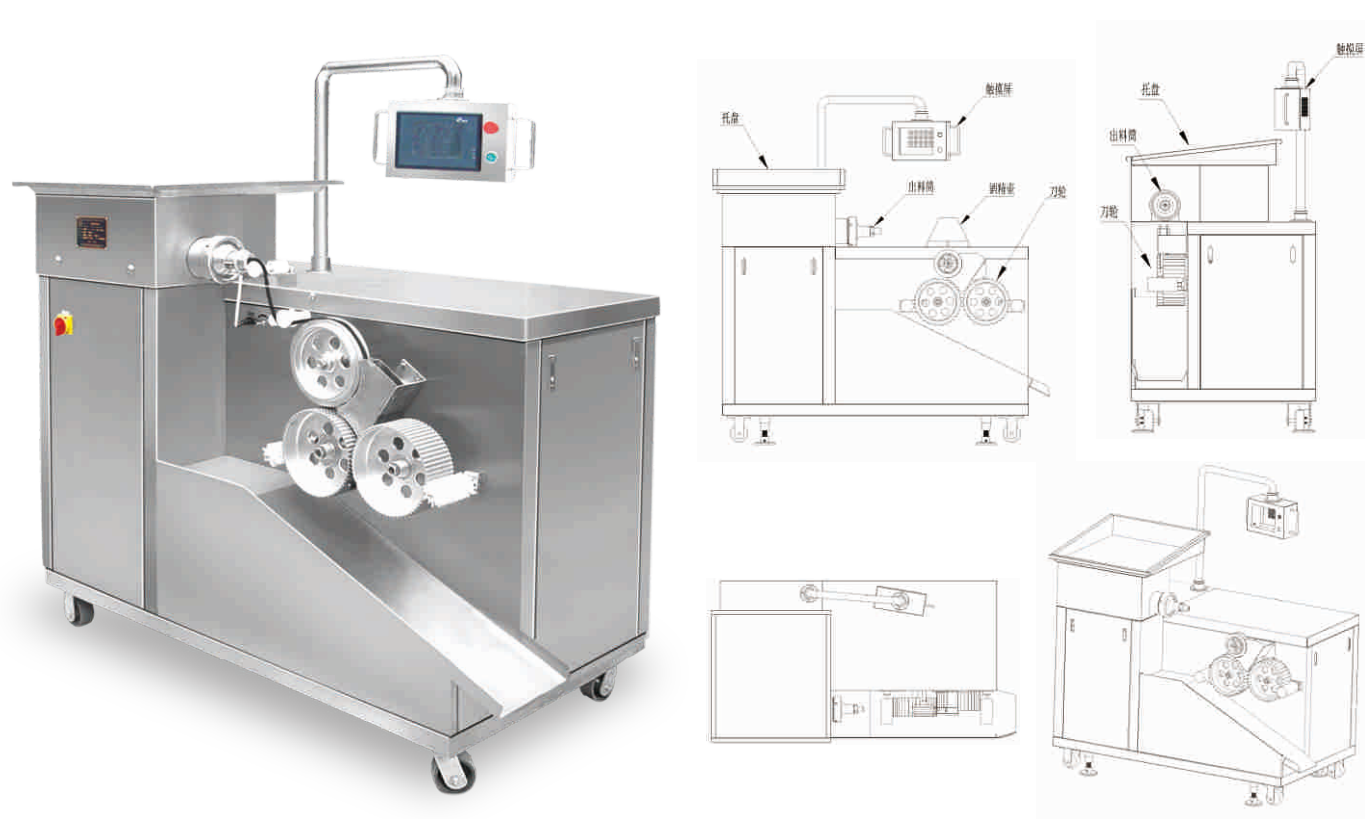
This machine is mainly designed for some small pharmaceutical factory, hospital preparation room and so on. It adds the production function of Chinese herbal pills on the basis of the original 16A type advantages, realizes one machine multi-purpose, and saves the factory, easy to operate. It can also add heating device or cooling device to suitable for the requirement of cooling or heating in the process of making pills, making the processing process more stable and smooth, and pills more uniform standard.

技术参数Technical parameters:

生产规格 Production Specification	生产效率 Production Efficiency	电机总功率 Total power of motor	电源 Power supply	机器总重量 Total weight of machine	外形尺寸 Overall dimensions
1g-6g	5-90kg/h	3.7kw	380v 50HZ	500kg	φ 1300X750X1700mm
φ 3-φ 18mm	5-90kg/h	3.7kw	380v 50HZ	500kg	φ 1300X750X1700mm

YUJ-22B全自动大蜜丸制丸机

YUJ-22B Automatic Large-scale Herbal Pills Machine



主要用途Main application:

本机型为大型中药制丸设备，主要用于传统大蜜丸的生产，也可用于食品或化工行业较大直径的制球。工作原理。

This model is a large-scale traditional Chinese medicine pill making equipment, mainly used in the production of traditional large-scale pills, but also used in food or chemical industry larger diameter pellets producing.

结构特点Structural features:

该设备主要由药条挤出系统、箱体搓丸系统、电器控制系统组成。该机自动化程度高，是在传统大蜜丸设备的基础上研制的新一代产品，具有连续搓丸的特点。无废丸，成品率高，丸径差异小，符合GMP要求；药丸圆，表面光滑，更换模具简单，适用于1g-11g各种粘度的蜜丸。是一款理想的大蜜丸加工设备。

工作原理Working principles:

将混合或炼制好的软材质投入到料仓中，在螺旋推进挤压下，制出药条，药条通过光电测速器，导轮，顺条器等进入制丸刀轮，经过制丸刀轮快速切磋，制成大小均匀的药丸。

Feed the powder of the ingredients (such as: Water, honey, extract liquid or sugar liquid) are mixed and stirred evenly in mixing machine, and the medicine is extruded the strips by the pill making machine to deliver the strips, and then smoothly enter the for cutter roller along the guide wheel to quickly make pills.

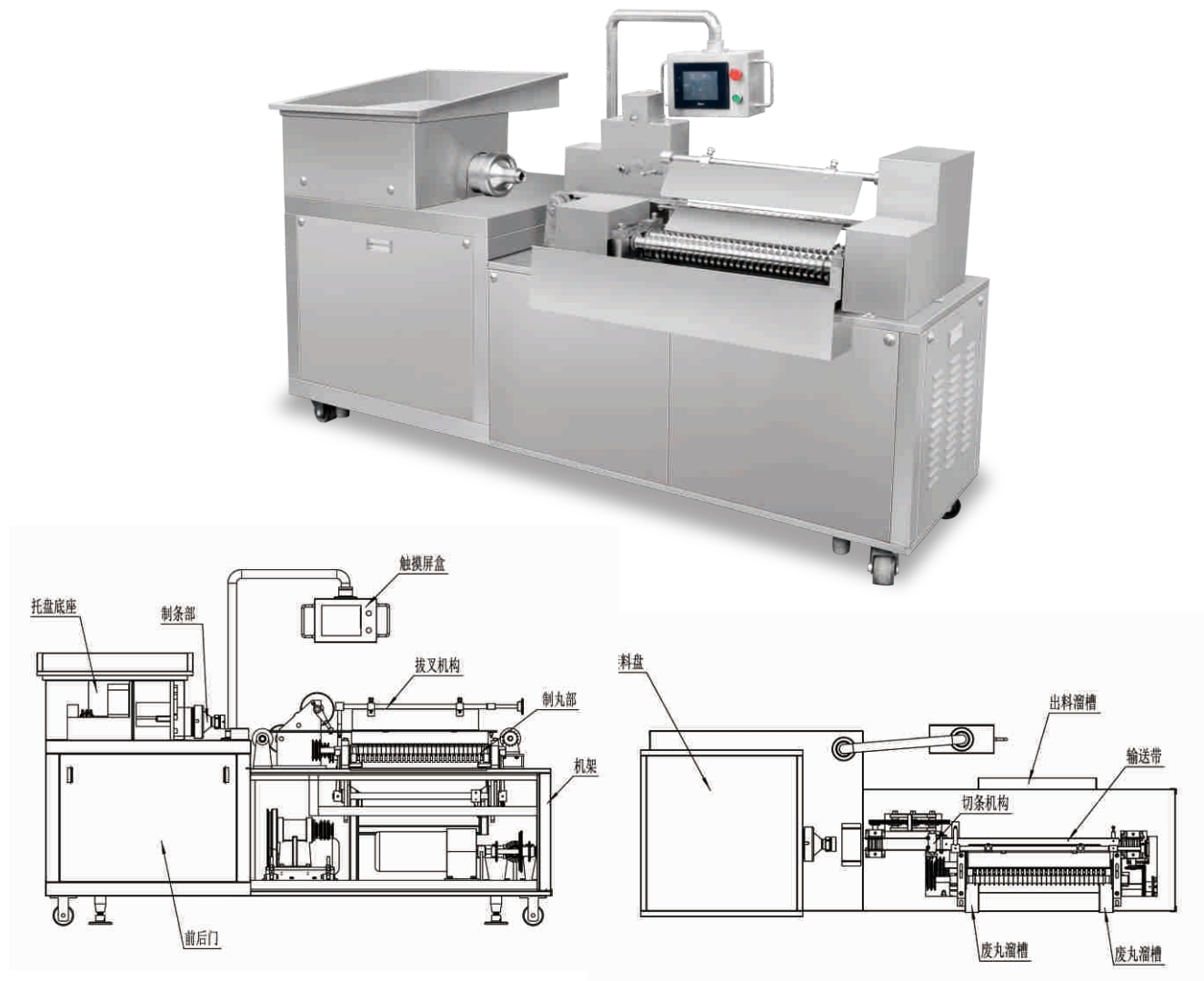
The equipment is mainly composed of strip extrusion system, gearbox system and electrical control system. The machine is a new generation product developed on the basis of traditional large-scale pill equipment, which has the characteristics of continuous making pills. No waste pills, high yield, meet the GMP requirements; round pills, smooth surface, simple replacement mold, suitable for 1 g-11g of various viscosity pills. It is an ideal large-scale pellets processing equipment.

技术参数Technical parameters:

型号 model	生产规格（丸重） Production Specification	生产效率 The production efficiency	电机总功率 Total power of motor	电机总重量 Total weight of motor	加热套功率 Heating Power	冷却水循环器 配功率（选配） Unit power	冷水套（选配） Cold Water Jacket	外形尺寸 Overall dimensions
22A	1-11g	50-150Kg/h	7.35kw	850kg	200w	300w	φ 120X 150mm	φ 1700X900 X1750mm
22B	1-11g	50-150Kg/h	7.35kw	850kg	200w	300w	φ 120X 150mm	φ 1700X900 X1750mm

三辊蜜丸机

Three Rollers Pills Machine



工作原理Working principle:

将混合或炼制好的物料放置一段时间，使药物与蜂蜜成分混合均匀，并产生一定的粘性。将醒坨后的药坨送入三辊蜜丸机的料仓后，在螺旋推进器的挤压下，制出粗细一致，表面光滑的药条。药条由履带向前输送，经切刀切成一定长度的药条，拨叉机构把切好的药条推到制丸刀具中，经过快速切磋，制成大小均匀、表面光滑药丸。

Place the mixed or refined material for a period of time, so that the drug and honey ingredients mixed evenly, and produce a certain viscosity. After feeding the medicine lump after waking up into the silo of the three-roll honey pill machine, under the extrusion of the propeller, the medicine strip with the same thickness and smooth surface is made. The strip is transported forward by track, cut into a certain length of strip by cutting knife, and the fork pulling mechanism pushes the cut strip into the pill making tool, and after rapid discussion, the pill is made into uniform size and smooth surface.

主要用途Main applications:

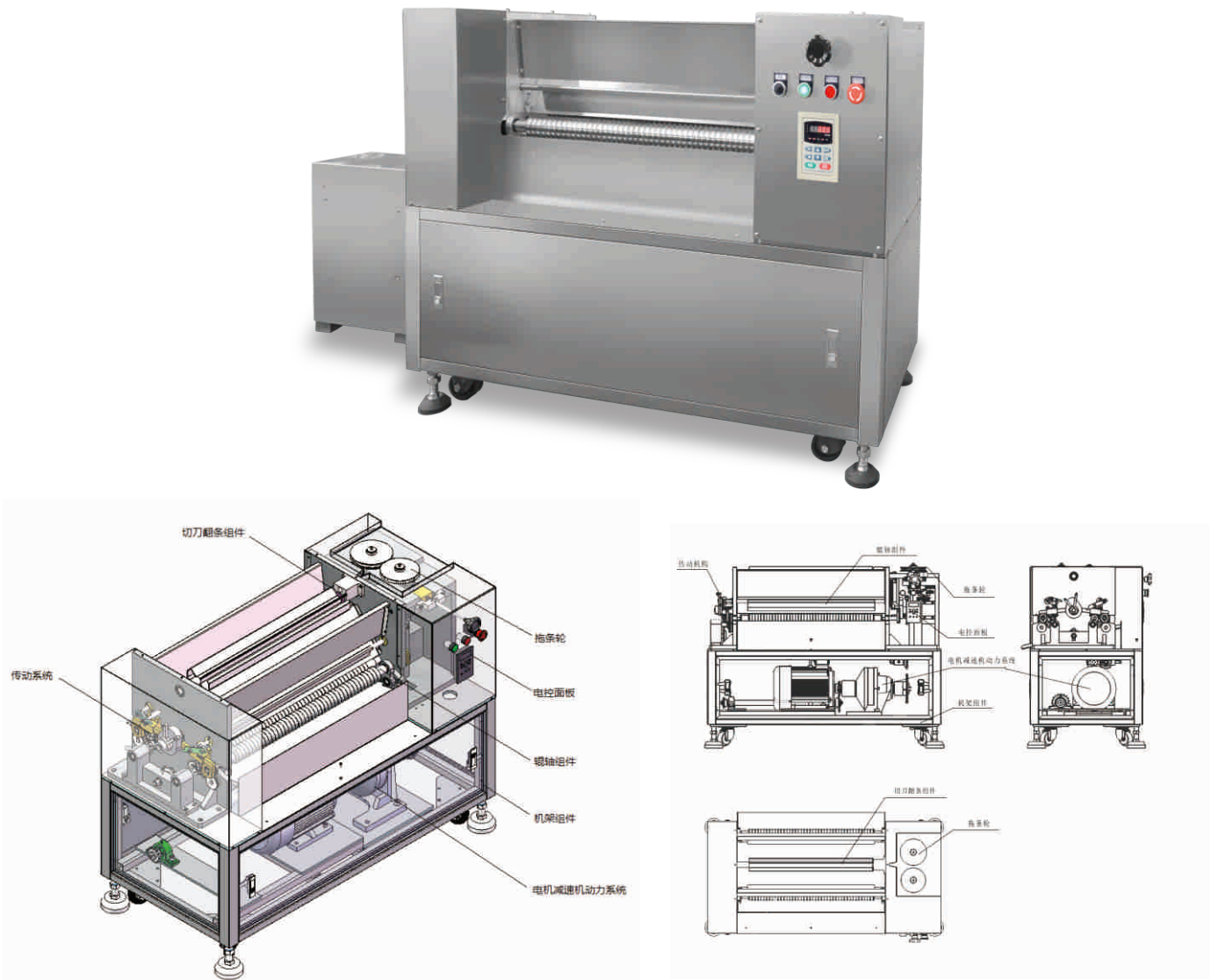
本机广泛适用于制药行业，主要针对粘性较大的蜜丸的生产。
This machine is widely used in pharmaceutical industry, mainly for the production of sticky material pills.

结构特点Structure feature:

- 1.本机采用PLC可编程序控制器，编码器等高新技术，自动化程度高，采用人机界面，操作简单。
 - 2.制丸克重差异符合药典的规范，成品与药头自动分离，无需筛选。
 - 3.该机外型简洁、造型大方、易清洁，易维修，经久耐用，操作方便，整机均采用不锈钢，符合GMP要求。
- (1)The machine adopts PLC programmable controller, encoder and other high-tech, high degree of automation, man-machine interface, simple operation.
- (2)The difference of pill weight accords with the standard of pharmacopoeia, the finished product is separated automatically from the drug head without screening.
- (3)The machine is simple in appearance, generous in shape, easy to clean, easy to maintain, durable and easy to operate, the whole machine adopts stainless steel, which meets the GMP requirements.

糖丸机

Sugar pill machine



一、用途:

此设备主要用于丸型食品及药品的加工成型，主要用于糖果的制造，也可用于大蜜丸药品的制造。

二、特点:

设备结构紧凑、整体尺寸小、占地面积小、采用两组（六辊）辊刀，生产效率高、所有动作全部用机械传动联动完成，仅由一个动力源驱动、无需任何检测元件，维修维护量小。

三、主要结构:

设备主体由图示七部分组成，主要包含机架组件、动力系统、传动系统、电控面板、进条拖条轮、切刀翻条组件、辊轴组件。

四、主要参数:

- 1.外形尺寸：长宽高1300X630X1000（mm）；
- 2.生产效率：直径15mm糖果160000颗/小时（可调速）；
- 3.设备功率：2.2KW（380V）；

Application:

This equipment is mainly used for processing and molding of pill-shaped food and medicine. It is mainly used for making candy and medicine.

FEATURES:

Compact structure, small overall size, small footprint, using two groups (six-high) roller knife, high production efficiency, all actions are completed by mechanical transmission linkage, driven only by a power source, without any detection components, low maintenance.

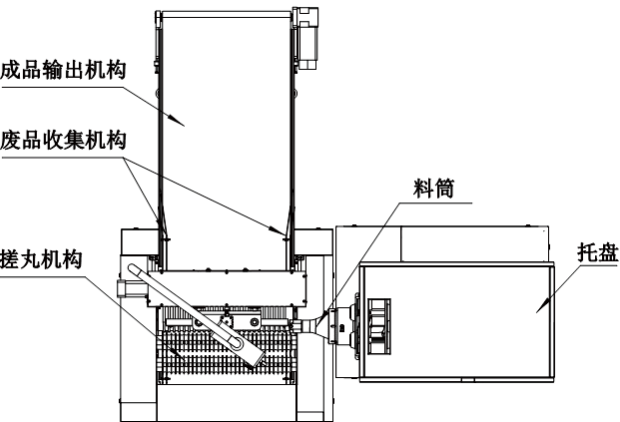
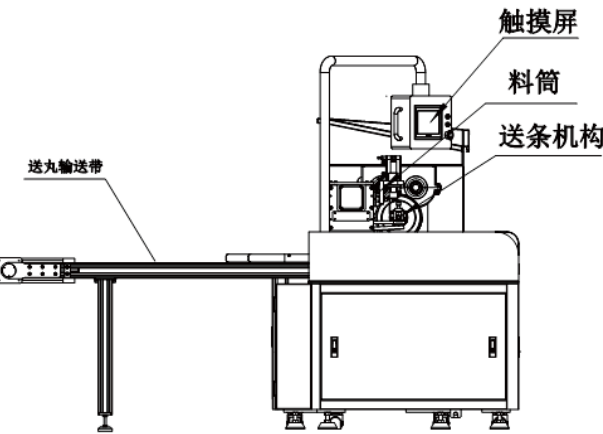
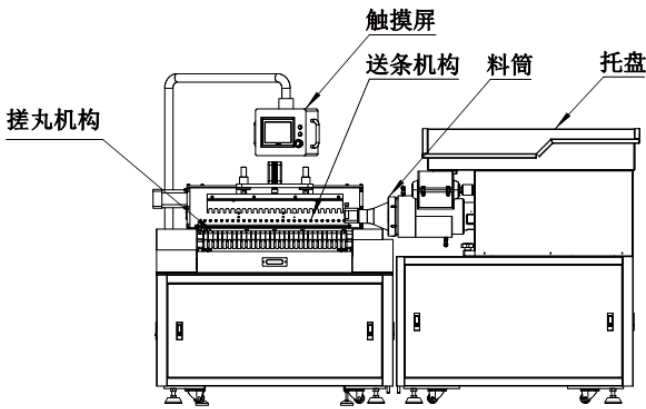
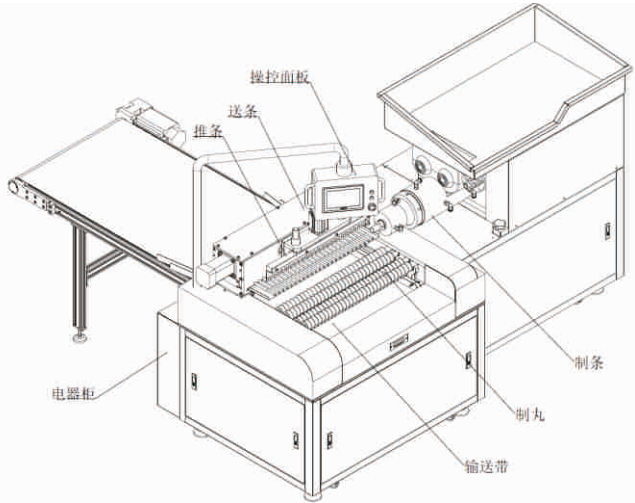
Main structure:

The main body of the equipment is composed of seven parts, including frame components, power system, transmission system, electronic control panel, feed roller, cutter turning components, roller components.

Main parameters:

1. DIMENSIONS: length, width and height 1300X630X1000(mm)；
2. Productivity: 160000 candy bars per hour with 15 mm diameter (adjustable speed)；
3. Equipment Power: 2.2 Kw (380V)；

六辊蜜丸机
Six Rollers Pills Machine



工作原理Working principles:

已搅拌混合均匀好的药坨在螺旋推进器的连续推动下，经过可调式料嘴，变成所需规格的，直径均匀的药条，并送到传条机构辊子上，采用光电传感器控制切条长度，此时推条机构开始动作，将药条推至由两组（两个成型辊和一个托辊）组成的成型制丸机构，两组成型机构交替动作，成型后的药丸与药头经过输送机分流后分别进入成品周转箱及废品周转箱。

Under the continuous push of the propeller, the mixture is changed into the required specification and uniform diameter strip, and sent to the roller of the transmission mechanism, and the length of the cutting strip is controlled by photoelectric sensor. Push the strip to two groups (two rollers and one roller), the two groups alternately.

本机特点Machine features:

- 1.此机采用两组成型机构交替连续运动，成型效率高，并且两组成型机构独立工作，互不干涉，速度为伺服无级调速。
2. 成型药丸具有大小均匀，剂量准确，符合药典规范，表面具有圆、光、亮等特点。
3. 采用先进光电传感器控制，可准确定长切条，并且药头短小，减少废丸发生及药品的浪费，废丸与成品自动分流，节约了人力。
- 4.料仓采用回转式设计,清洁、维修便捷。
- 5.传条机构采用磁力轮传动，传动稳定，静音，效率高，节能环保。
- 6.推条拨叉及切刀表面特氟龙处理，设置酒精循环系统，有效防止粘接、甩尾现象且提高酒精利用率。
- 7.可调接丸装置，减少制丸辊与送丸输送带因高度差过高而导致产生的药丸形变。
- 8.整机功率7.33Kw，能耗小，较同行小2.64Kw。
- 9.一体式电控箱设计，用户仅接入动力线，生产现场无需再行连接其它线路，便于运输及保养维护。
- 10.拆卸，维修方便，只更换成型辊便可生产不同直径大小的药丸。

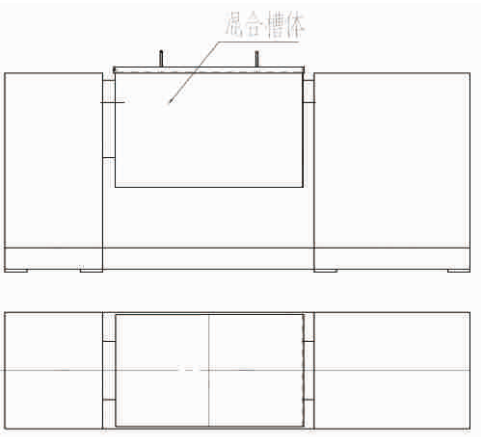
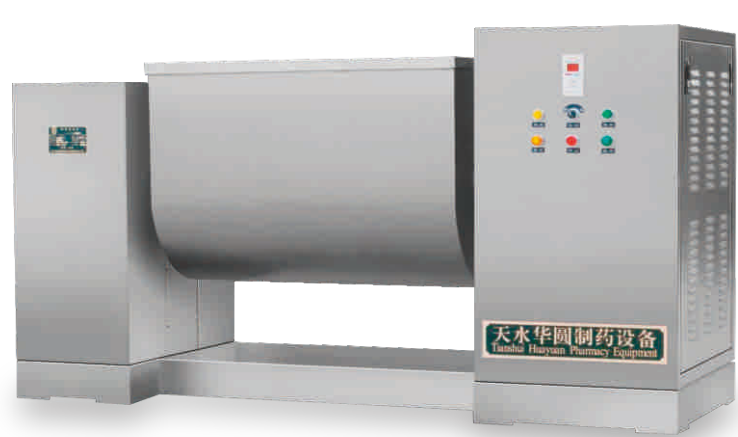
- (1)This machine adopts two groups of forming mechanism to move alternately and continuously, the forming efficiency is high, and the two groups of forming mechanism work independently, do not interfere with each other, the speed is servo stepless speed regulation.
- (2)Forming pills have uniform size, accurate dosage, in line with pharmacopoeia specifications; the surface has round, light, bright and other characteristics.
- (3)Using advanced photoelectric sensor control, can accurately determine the length of cutting strip, and the drug head is short, reduce the occurrence of waste pills and drug waste, waste pills and finished products automatically shunt, saving manpower.
- (4)Feeder adopts rotary design, which is easy to clean and maintain.
- (5)Transmission mechanism adopts magnetic wheel transmission, transmission stability, mute, high efficiency, energy saving and environmental protection.
- (6)Pushing fork and cutting knife surface Teflon treatment, set up alcohol circulation system, effectively prevent bonding, tail-flick phenomenon and improve alcohol utilization.
- (7)Adjustable feeding device to reduce the pill deformation caused by the high height difference between the ball making roller and the delivery belt.
- (8)Whole machine power 7.33Kw, energy consumption is small 2.64Kw. smaller than peers
- (9) Integrated electronic control box design, users only access power lines, production site does not need to connect other lines, easy to transport and maintenance.
- (10) Disassembly, easy maintenance, the replacement of molding roll can produce pills of different diameters.

技术参数Technical parameters:

制丸规格 Pill specification	电源电压 The power supply voltage	外形尺寸 Overall dimensions	整机重量 The weight	总功率 The total power	气压 Air pressure	耗气量 Gasconsu mption
3g, 36000~48000丸Pills（每小时Per hour） 6g, 28000~38000丸Pills（每小时Per hour） 9g, 25000~35000丸Pills（每小时Per hour）	交流380V， 三乡五线制 Exchange 380V， three township five wire system	附图 The appended drawings	1030Kg	7.33Kw	0.6Mpa	0.15立方米/分 （洁净空气） 0.15 m ³ / min (Clean Air)

CHJ系列槽型混合机

CHJ Series U-Shape Mixer



主要用途Main applications:

广泛用于制药、食品、化工等行业，用于混合粉末状干性或湿性物料，特别适合物料比重差大、黏度高的主辅料混合。混合过程中物料不会产生溶解、挥发或者变质。对一些要求恒温或需加热才可搅拌的物料也可进行混合。

This machine is widely used in pharmaceutical, food, chemical and other industries, used for mixing powder dry and wet materials, especially suitable for the mixing of main and auxiliary materials with large specific gravity difference and high viscosity. Materials do not dissolve, volatilize or deteriorate during mixing. Some materials that require constant temperature or need heating to be stirred can also be mixed.

工作原理Working principles:

该机型通过电机减速机机组带动穿过料斗的主轴使S型的搅拌桨旋转，带动物料径向轴向翻动，往复掺混，使物料的均匀混合。

By driving the main shaft through the hopper through the motor reducer unit, the S type agitator rotates, driving the material radial axial turn, reciprocating mixing, and makes the material mix evenly.

结构特点Structural characteristics:

本机进过我公司改进有以下独特之处：整机接触物料全为不锈钢的卧式结构，有普通型和加强型两种可以选择：可选摆线式减速机直连，此结构解决了漏油污染问题；通过蜗轮或摆线针轮进行机械传动，使S型搅拌桨旋转，推动物料往复翻动，均匀混合；可设定混合时间，到时可自动停机，还可增加开盖停机 的保护功能，克服了老结构的不合理之处，为新一代产品。

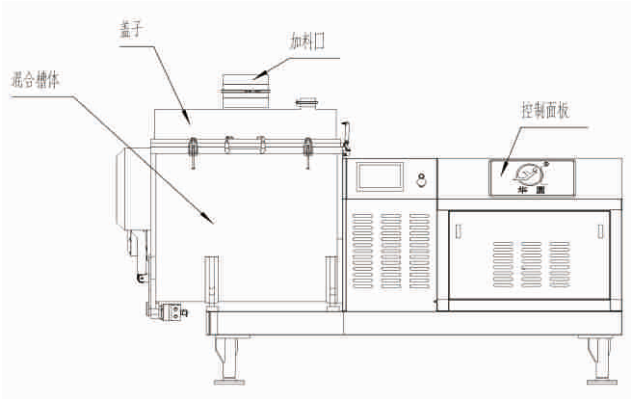
This machine has entered our company to improve the following unique: All contact materials are stainless steel horizontal structure, there are two kinds of common type and reinforced type can be selected: optional cycloid reducer direct connection, this structure solves the problem of oil leakage pollution; through worm wheel or cycloid needle wheel mechanical transmission, the S type agitator rotates to push the material back and forth.

技术参数Technical parameters:

型号 model	搅拌电机功率 Stirring electricThe machine power	倒料电机功率 Pour material electricity The machine power	蒸汽压力 Steam pressure	工作温度 Working temper ature	搅拌桨形式 impellerIn the form of	双轴混合转速 Biaxial mixedIn speed	机器总重量 The machineThe totalThe weight of the	减速形式 (选配) Slow down formF ormula (optional)	外形尺寸 Overall dimensions
CHJ-150	3kw	0.55kw	无	≈65℃	单桨	24r/min	500kg	蜗轮，摆线针轮减速机蜗轮	2090x600x1100mm
CHJ-200C	5.5kw	0.55kw	无	≈65℃	单桨	24r/min	500kg	摆线针轮减速机	2100x600x1100mm
CHJ-400E	7.5kw	1.1 kw	无	≈65℃	单桨	24r/min	1300kg	蜗轮	2000x800x1300mm

HCS-350双动力快出料混合机

HCS-350 Double-driving High-speed Discharging Mixer



主要用途Main applications:

主要用于制药、食品、化工行业固态物料的混合搅拌，尤其适用于水蜜丸、浓缩丸等配料的混合。

It is mainly used for mixing solid materials in pharmaceutical, food and chemical industries, especially for mixing honey and herbal powder pellets, concentrated liquid and other ingredients.

结构特点Structural characteristics:

相较于传统的槽型混合机，该设备的搅拌桨分为两段，传动为两个动力源，分别带动两个搅拌桨，两个搅拌桨均可左右同时搅拌，转速可调，这样可保证物料混合的均匀性。在混合时两端相向而转，出料时由螺旋搅拌桨将物料从设备侧下方出料口推出，方便出料，便于和下道工序连线使用，整个槽体光滑便于清洁。

Compared with the traditional slot mixer, the agitator of the equipment is divided into two sections, the transmission is two power sources, two agitators are driven respectively, the two agitators can be stirred at the same time, and the rotational speed is adjustable. This can ensure the uniformity of material mixing. When mixing, the two stirrs turn opposite each other, and the material is pushed out from the outlet below the equipment side by the spiral agitator, which is convenient to discharge, easy to use with the next working procedure, and the whole tank body is smooth and easy to clean.

工作原理Working principles:

该设备的搅拌桨分为两段，有两个动力源，在混合物料时，搅拌桨的螺旋方向相反，可以使物料混合更加的均匀。出料时，两段搅拌桨螺旋方向相同，可以使物料向一个方向运动，便于侧下方出料。

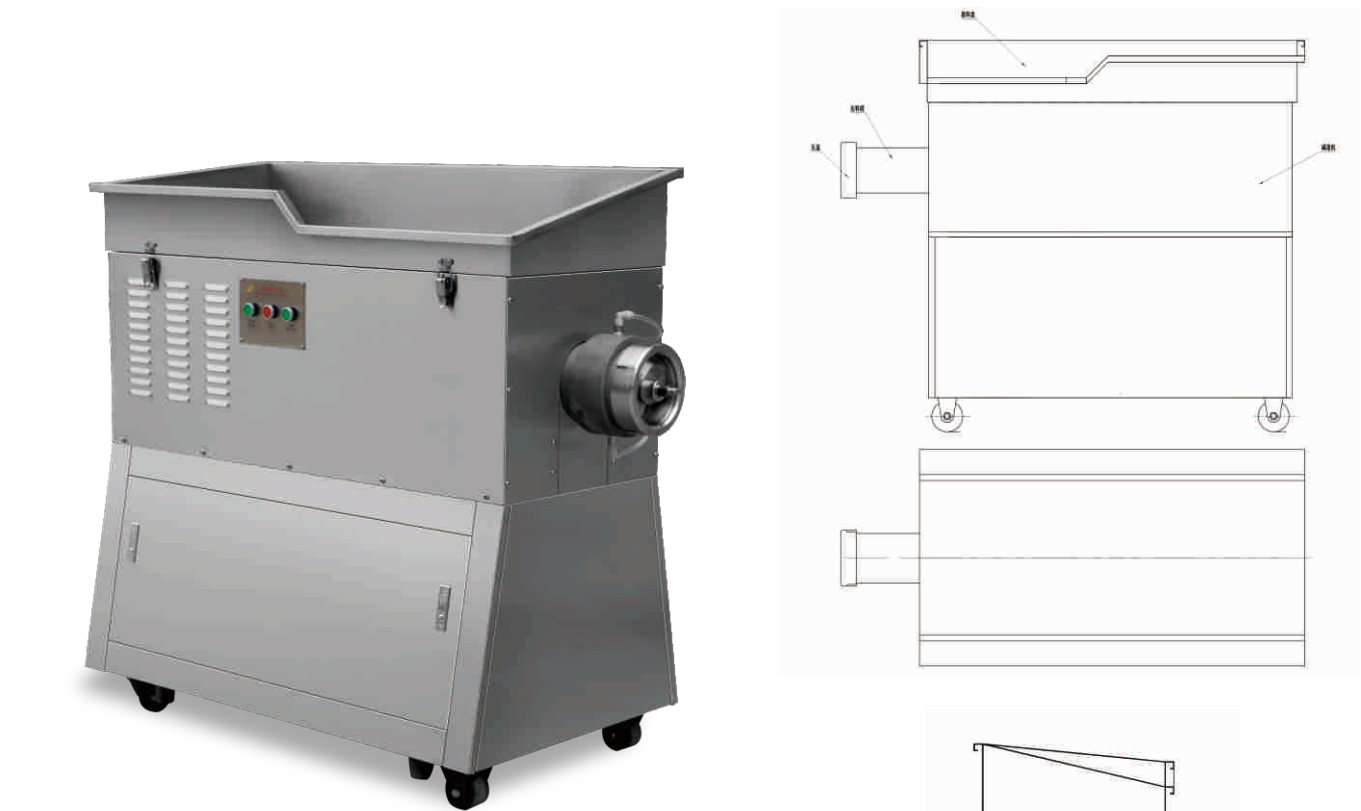
The agitator of the equipment is divided into two sections, and there are two power sources. When mixing the material, the spiral direction of the agitator is opposite that can make the material mixing more uniform. When discharging, the spiral direction of the two stage agitator is the same, which can make the material move in one direction and facilitate the discharge under the side.

技术参数specifications:

设备名称 Device name	双动力快出料混合机 Double power quick discharge mixer	设备型号 Equipment model	HCS—350
设备标称产能 Nominal capacity of equipment	150-200KG/次 time	设备重量 Equipment weight	1350Kg
外形尺寸（长×宽×高） Overall dimension (length × width × height)	2400x1200x1500mm	纯水用量 Pure water consumption	少量L/min
额定电压 The rated voltage	380 V	额定电流 Rated current	48A
总功率 The total power	22Kw	混合箱容积 Mixing box capacity	350L
搅拌时间 Mixing time	0—10min可调adjustable	搅拌桨转速 Stirring speed	0~22r/min可调adjustable
冷却水用量 Cooling water consumption	无There is no	排水要求 Drainage requirements	0. 5 L/min(清洗用)
排风量 Exhaust air	无There is no	有无除尘装置 Dust-free device	无There is no
环境温度要求 Ambient temperature requirement	5—40 ℃	环境湿度要求 Environmental humidity requirement	≤80 %
设备表面材质 Equipment surface material	不锈钢Stainless steel	接触物料部分材质 Contact the material part	不锈钢Stainless steel
设备噪音 Equipment noise	≤70分贝db	预埋地脚 Embedded anchor	无There is no
辅助设备名称、数量 Name and quantity of auxiliary equipment	无There is no	辅助设备电源接口数量、形式 Number and form of auxiliary equipment power interface	无There is no

GHL-30D高质量炼药机

GHL-30D Extruding Mixer (1 head Refiner)



主要用途 Main applications:

本机为中药制丸机的配套设备，用于将不同成份的药物练合成均匀、软硬相同的物料。对于难以混合均匀的药，如：液粉融合状或高硬度、高粘度的物料（浓缩膏与干粉或者蜜与干粉）炼合均匀，生产效率高。在兰州佛慈，河南宛西，广州中一等众多药厂深受好评。

This machine is the matching equipment of traditional Chinese medicine pill making machine, which is used to synthesize uniform, soft and hard materials with different ingredients. For difficult to mix uniform drugs, such as: liquid powder fusion or high hardness, high viscosity materials (concentrated paste and dry powder or honey and dry powder) mixed evenly, high production efficiency. In Lanzhou Foci, Henan Wanxi, Guangzhou, a number of pharmaceutical factories are well received.

结构特点 Structural characteristics:

本机与物料接触部分采用优质不锈钢制造，设计合理，造型美观，质量过硬，符合GMP要求。

High quality stainless steel is used in the contact part of this machine. The design is reasonable, the shape is beautiful; the quality is excellent and meets the GMP requirements..

技术参数 Technical parameters:

生产效率 The production efficiency	电机总功率 Total motor power	电源 The power supply	变频器无极调速 Frequency converter stepless speed regulation	外形尺寸 Overall dimensions	重量 The weight of the
300-530kg/h	7.5KW	380V	选配optional	1480 × 700 × 1330mm	700kg

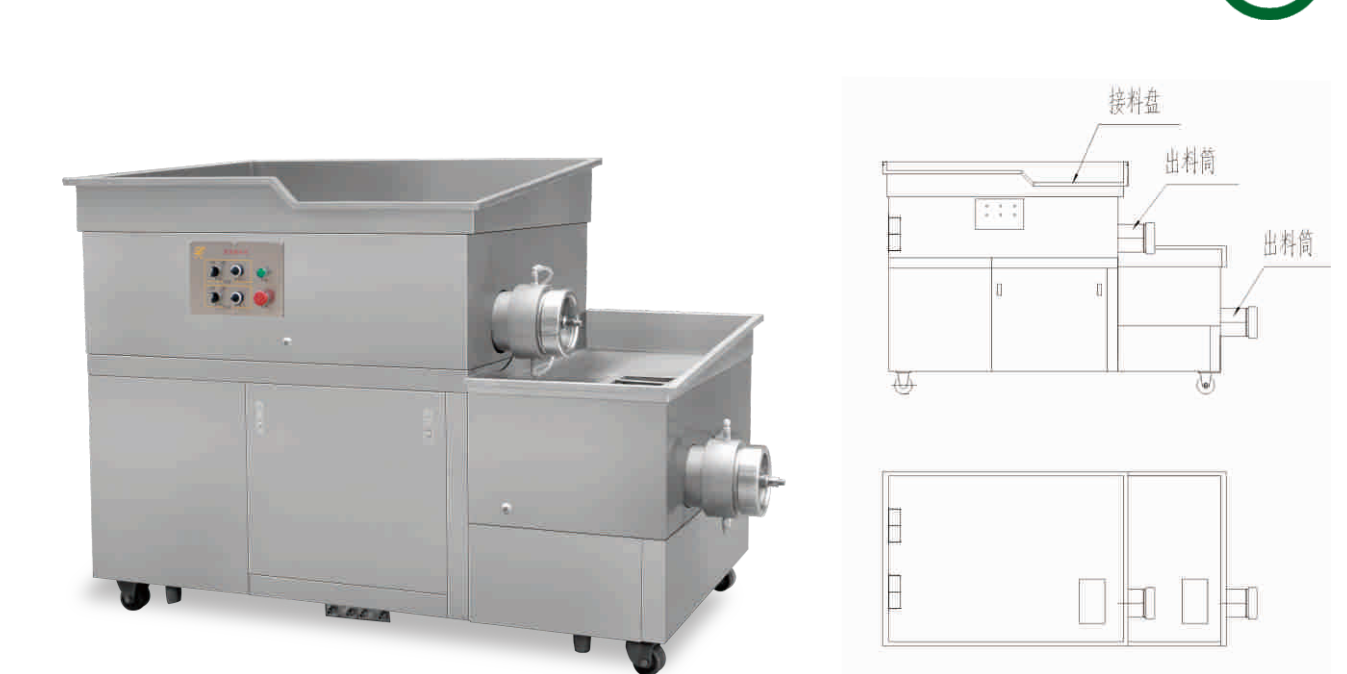
工作原理 Working principles:

将混合后的药坨投入料口，在电机驱动下，通过翻板压入料仓内，再通过螺旋推进器旋向机口，因药坨面积大于出条板的小孔面积而受阻时，药坨的致密性、温度、粘度相应提高，当机腔过饱和时，炼好的药坨从出条板的小孔连续挤出成条，供制丸生产使用。

When the area of the lump is larger than the small holes area of the strip plate, the density, temperature and viscosity of the lump are increased accordingly. When the cavity is supersaturated, the refined lump is extruded continuously from the small hole of the strip plate for production.

GHL系列高质量双层炼药机

GHJ Series Double Extruding Heads Mixer (2 heads Refiner)



主要用途 Main applications:

本机为中药制丸机的配套设备，用于将不同成份的药物炼合成均匀、软硬相同、密度一致的物料加工成各种软硬不同的药胚及液粉融合状的药剂，尤其对难加工的高粘性药剂时，在一台机器上采用多层结构，连续对物料进行揉搓炼制，生产效率高，深受客户好评。

This machine is the matching equipment of traditional Chinese medicine pill making machine, which is used to process the materials with different ingredients into all kinds of soft and hard embryo and liquid powder fusion, especially for the difficult high viscosity medicament, adopt multi-layer structure on a machine, continuously knead and refine the material, high production efficiency and be well received by customers.

工作原理 Structural characteristics:

整机与物料接触部分均采用优质不锈钢制造，布局合理，造型美观，质量过硬，尤其是采用阶梯式多层炼药结构，每层转速均可无极调速，操作方便。该机为我公司专利产品。

The contact part between the whole machine and the material is made of high quality stainless steel, the layout is reasonable, the shape is beautiful, the quality is excellent, especially the step type multi-layer medicine chain structure, each layer speed can be adjusted without pole, the operation is convenient. This machine is our patented product.

技术参数 Technical parameters:

型号 model	生产效率 The production efficiency	电机总功率 Total motor power	电源 The power supply	重量 The weight of the	外形尺寸 Overall dimensions	备注 note
CHL-30-3	300-530kg/h	22.5KW	380V 50HZ	1000kg	2700x1000x1600mm	三层 Three layers
CHL-30-2	300-530kg/h	18.5KW	380V 50HZ	800kg	2000x1000x1300mm	双层 double

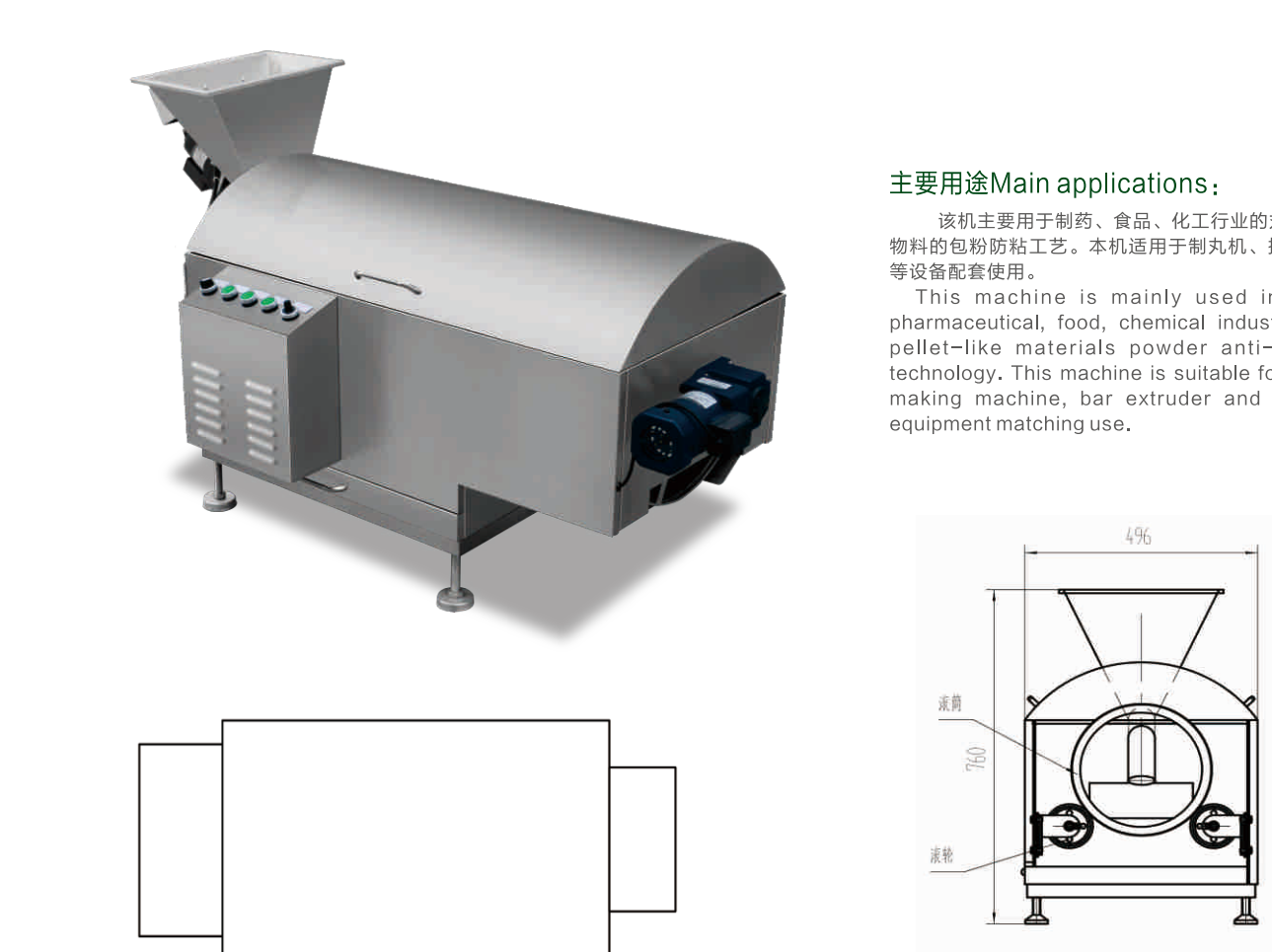
结构特点 Working principles:

该机为阶梯式多层炼药机构，将混合后的药坨投入料口，在电机驱动下，通过翻板压入料仓内，通过螺旋推进器旋向机口，最后由出条板挤出，进入下一层，进入下层后再重复上层动作。

The machine is a step-by-step multi-layer drug refining mechanism. Under the drive of the motor, it is pressed into the silo by turning the plate, rotating the machine mouth through the spiral propeller, and finally extruding the strip plate into the next layer. Repeat the upper action after entering the lower layer.

SFJ系列自动撒粉机

SFJ Series Automatic Powder Sprayer



工作原理Working principles:

制丸机制出的丸粒物料经过出料端进入撒粉机滚筒，料斗的粉料经料斗内底部推进器均匀地向滚筒内进行撒粉，并使其黏附于丸粒表面，丸粒经滚筒带动，匀速滚筒，并经螺旋线推动使其向出口处移动，从而达到丸粒表面均匀黏附粉料的功能。

The pellet material from the pellet making mechanism enters the powder dispenser drum through the discharge end. The powder of the hopper is evenly dispersed into the drum through the bottom propeller of the hopper and adhered to the surface of the pellet. The machine is within uniform drum and screw to move to the outlet, so as to achieve the function of uniform adhesion of the pellet surface.

结构特点Structural characteristics:

在装有振动装置的料斗内放置干粉物料，料斗内的粉料经过振动均匀地落入转动的滚筒内。制丸机制出的药丸进入撒粉机滚筒后，经滚筒螺旋滚动被粉料裹敷，粘性的丸状物料就不会相互粘连，从而顺利的进入下一道工序。

Dry powder material is placed in the hopper equipped with vibration device, and the powder in the hopper falls into the rotating drum evenly through vibration. After the pill from the pill making mechanism enters the powder dispenser drum, the sticky ball material will not adhere to each other through the roller spiral rolling, thus smoothly entering the next working procedure.

技术参数Technical parameters:

型号 model	筛丸筒直径 Diameter of sieve tube	包粉能力 Package powder ability	电机总功率 Total motor power	外形尺寸 Overall dimensions	电源 The power supply	重量 The weight of the
SFJ-400B	φ 400mm	180kg/h	135KW	1060×580×900	380V 50Hz	60kg

LPJ-300冷却抛光机

LPJ-300 Cooling Polisher



主要用途Main applications:

冷却抛光机为最新设计制造的丸粒生产线的配套设备之一，广泛用于制药、食品、化工等行业。用于制丸生产线过程中高温干燥灭菌的丸粒、片剂等的快速降温，是自动化流水线生产的首选产品。

The cooling and polishing machine is one of the supporting equipment of the newly designed and manufactured pellet production line, which is widely used in pharmaceutical, food, chemical and other industries. The rapid cooling of pellets, tablets and so on in the process of high temperature drying and sterilization in the production line is the first choice for automatic assembly line production.

结构特点Structural characteristics:

该设备整体造型美观，操作简单，清洗方便，与物料接触部位均为不锈钢制造，符合GMP要求。

Beautiful overall shape, simple operation, easy cleaning, contact with materials are made of stainless steel, meet the GMP requirements.

工作原理Working principles:

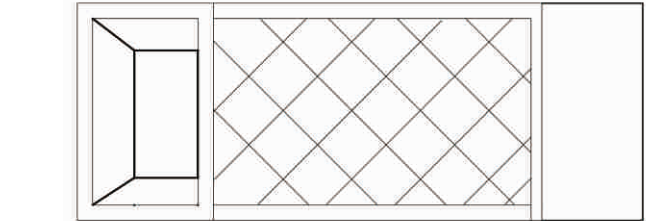
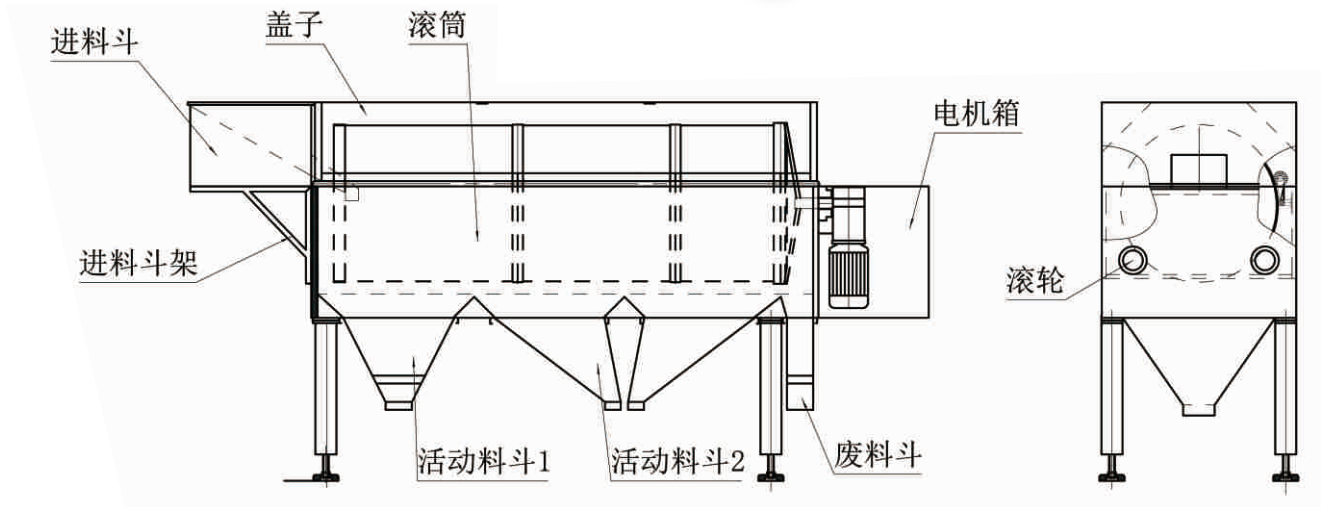
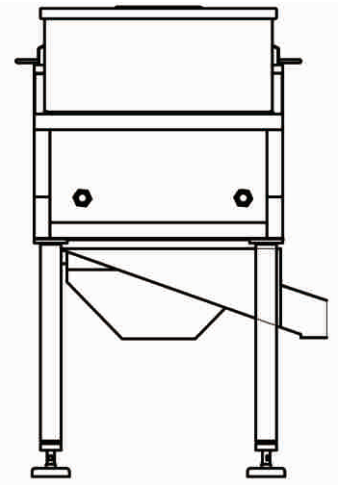
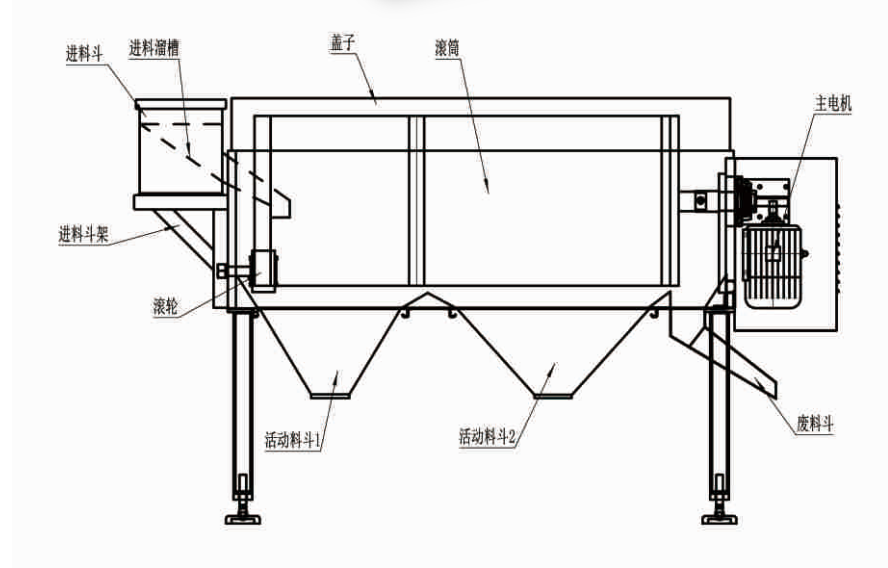
该机为单层滚筒式结构，进料出料设在一端或者相对一端并带筛选功能。滚筒设计为筛片结构，用风机冷却物料，全封闭状态工作。滚筒转速自由无级调整，物料经进料斗进入内层滚筒，再经滚筒降温，由外层出口出料，物料以常温状态进入下道工序，完成凉丸过程。

The machine is a single-layer drum structure, feeding and discharging at one end or opposite end with screening function. Roller design for screen structure, fan cooling materials, fully closed state work. The speed of the drum is adjusted freely and stepless, the material enters the inner drum through the hopper, and then cools down through the drum, discharges from the outer outlet, and the material enters the next working procedure at room temperature to complete the process of cooling pellets.

技术参数Technical parameters:

型号 model	滚筒转速 Roller rotation speed	电机功率 Total motor power	外形尺寸 Overall dimensions
LPJ-300	300-530kg/h	0.44KW	1200X520X1340mm

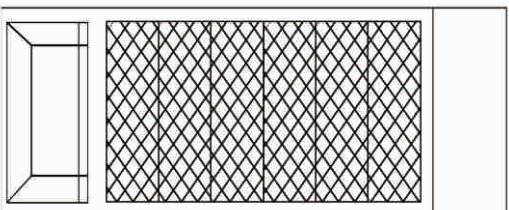
SWG450、600系列丸粒滚筒筛
SWG Series Pellets Drum Sorting Machine



主要用途Main applications:
该机主要应用于制药、食品、化工行业的丸粒状物料进行大小的筛分工艺。本机适用于制丸机、制球机等设备的配套使用。
The machine is mainly used in the pharmaceutical, food, chemical industry pellet material size screening process. This machine is suitable for the matching use of pellets making machine, pellets making machine and other equipment.

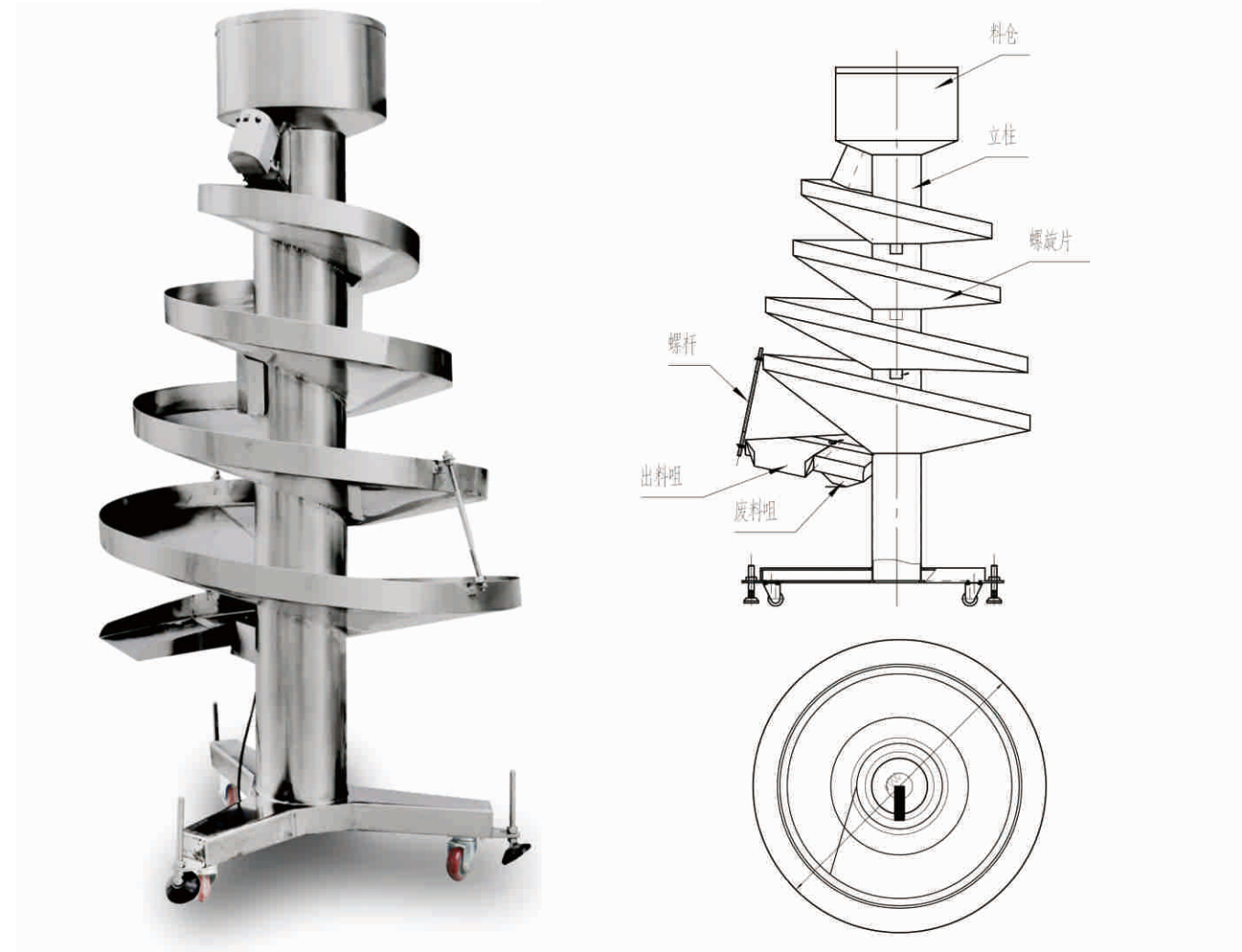
结构特点Structural characteristics:
该机外型简洁、造型大方、更换筛筒方便。整机均采用不锈钢，符合GMP要求。该机设有偏小丸、合格丸、偏大丸的出料口，并针对产量大小使用不同规格的设备，方便联线使用。
The machine is simple in appearance, generous in shape and convenient to replace the sieve cylinder. All machines are stainless steel, meet the GMP requirements.
The machine is equipped with the outlet of small, qualified and large pellets, and the equipment of different specifications is used according to the output size, which is convenient for the use of the joint line.

工作原理Working principles:
要筛分的球状物料进入筛选机进料斗，落入筛选机的转动料筒中，料筒从小到大设置有长条形或圆形的。针对不同规格丸径的孔，小于要求的丸粒经过筛筒时先落入前端的出料口中，依次是合格丸、偏大丸及粘连丸，分别从不同的出料口出来，达到丸粒筛分的目的。
The spherical material to be screened enters the feed hopper of the screening machine and falls into the rotating drum of the screening machine. The drum is provided with long strip or circular shape from small to large. For the holes of different sizes of pellets, the pellets that are smaller than the requirements fall into the front outlet when passing through the sieve tube, followed by qualified pellets, large pellets and adhesive pellets, respectively, coming out from different discharge outlets to achieve the purpose of pellet screening.



技术参数Technical parameters:			
型号 model	锅体直径 Pot body diameter	电机总功率kw Total motor power	外形尺寸 Overall dimensions
SWG-600	φ 600mm	0.75kw	2820X800X1435mm
SWG-450	φ 450mm	0.75kw	1850X840X1200mm

螺旋选丸机
Screw Sorting Machine



主要用途Main applications:

对于干燥后药丸或球型物料进行合格丸和异型丸的筛分工序。It is the sorting process of qualified pellets and shaped pills after drying.

结构特点Structural characteristics:

本机为螺旋式塔型结构。机体全部采用不锈钢制成，操作简单，清洗方便完全符合GMP的要求，工作中可选配真空上料机进行物料的提升与补充。This machine is spiral tower structure. All the body is made of stainless steel, the operation is simple, the cleaning is convenient and fully meets the requirements of the GMP, and the vacuum feeder can be selected to upgrade and supplement the material in the work.

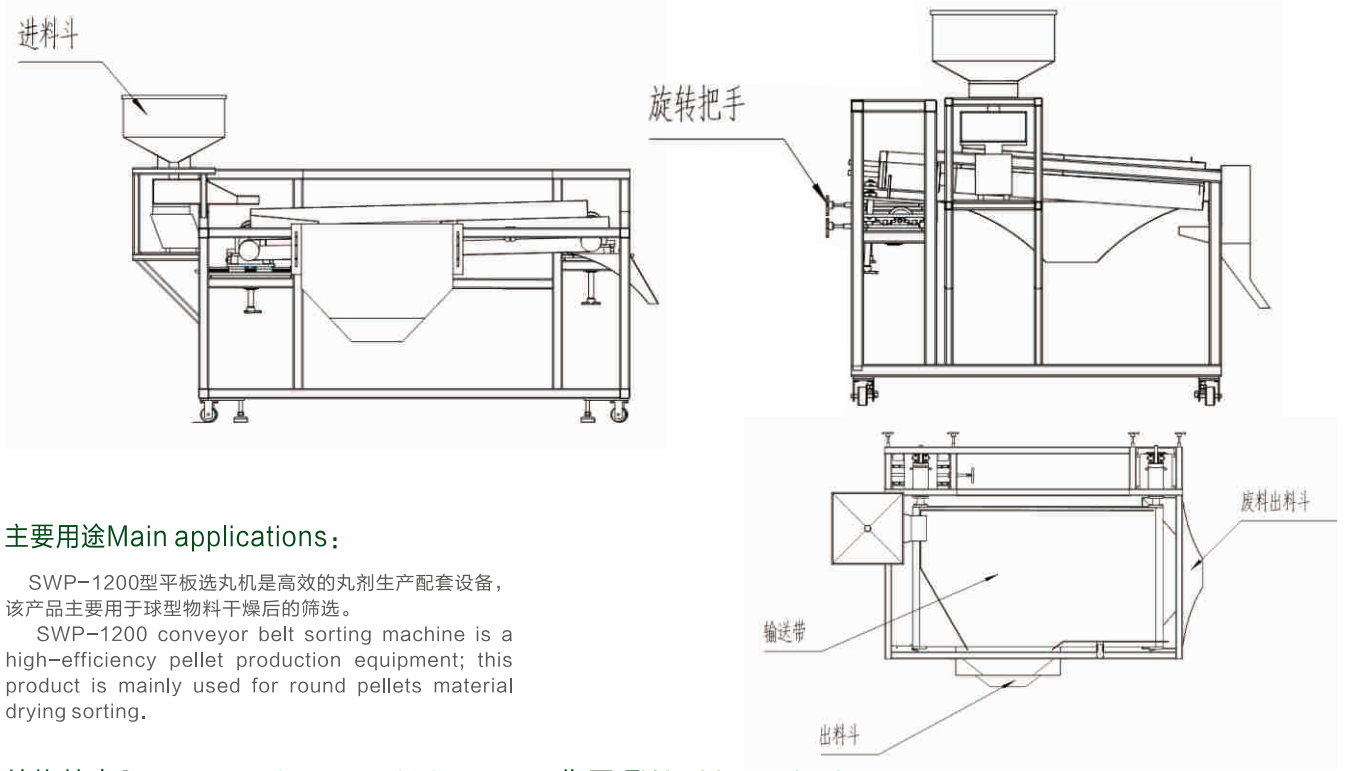
工作原理Working principles:

工作时将物料送入最高处料口，药丸靠自身重量顺螺旋轨道向下自然滚动，利用优势丸的转速差别对药丸进行分选，将一些不规范的异型丸、双丸分离出来，保证药丸的装瓶质量。在出料口处安装有小型振动器，保证物料均匀流落。When working, the material is put into the top material mouth, the pill rolls down naturally by its own weight along the spiral track, and the pill is sorted by the difference of the rotational speed of the dominant pill, and some irregular shaped pills and double pills are separated to ensure the bottling quality of the round pellets. A small vibrator is installed at the outlet to ensure that the material flows evenly.

技术参数Technical parameters:

型号 model	筛丸规格 Screen shot specifications	生产效率 The production efficiency	机器重量 Machine weight	外形尺寸 Overall dimensions
SWL-5	干丸剂 Dry pills	20-150Kg/h	120Kg	φ 1250X2200mm φ 1000X1950mm φ 580X1150mm

SWP-1200型平板选丸机
SWP-1200 Conveyor Belt Sorting Machine



主要用途Main applications:

SWP-1200型平板选丸机是高效的丸剂生产配套设备，该产品主要用于球型物料干燥后的筛选。SWP-1200 conveyor belt sorting machine is a high-efficiency pellet production equipment; this product is mainly used for round pellets material drying sorting.

结构特点Structural characteristics:

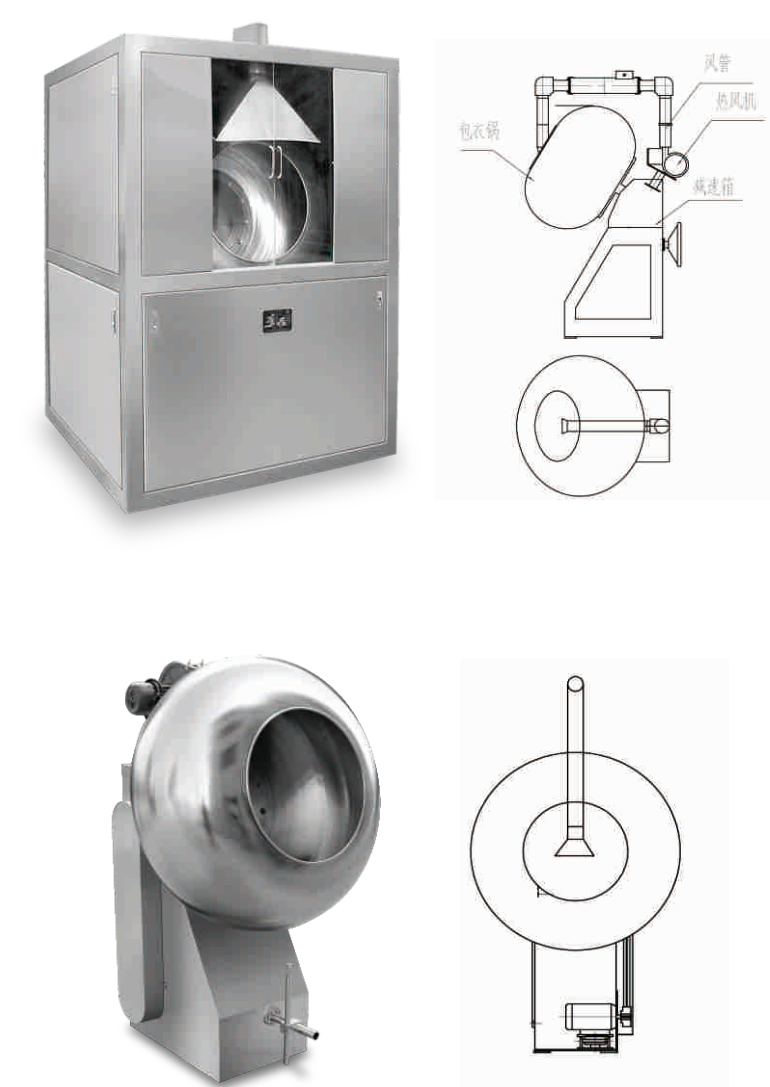
相对于传统的螺旋选丸机，产量大（同等条件下是螺旋选丸机的3倍），噪音小。大幅度提高了生产效率，改善工作环境。设计巧妙、结构简单、操作方便、效率高、可单独也可连线使用。主要零部件全采用不锈钢制造，符合GMP认证标准。Compared with the traditional screw sorting machine, the output is large (3 times that of the screw sorting machine under the same conditions) and the noise is small. Greatly improved production efficiency, improve the working environment. The design is clever, the structure is simple, the operation is convenient, the efficiency is high, may use separately also may connect. All the main parts are made of stainless steel, which conforms to the GMP certification standard.

工作原理Working principles:

丸型物料置于储料斗内，控制储料装置下料口开启的大小，让物料均匀、连续地跌落在平板输送机带左上角部位。由于丸型自身的滚动性差异，圆度相对较好的丸粒顺着倾斜的平板输送带由高点迅速向低点滚动从而在较近端的优丸出料口被收集，扁形或烂形或异型丸粒由于自身滚动速度慢，从而被平板输送带输送到远端的次丸出料口被收集，从而实现了对外不同外形丸粒的筛选目的。The pellets material is placed in the hopper to control the size of the opening of the material outlet of the storage device, so that the material falls down evenly and continuously in the upper left corner of the flat conveyor belt. Because of the difference of the rolling property of the pellets themselves, the pellets with relatively good roundness rolled rapidly from the high point to the low point along the inclined flat conveyor belt, and the flat or rotten or shaped pellets were collected at the proximal outlet because of their slow rolling speed. Thus, the screening purpose of different shape pellets is realized.

BYJ系列荸荠式包衣机

BYJ Series Coating machine



主要用途Main applications:

本机广泛适用于制药行业，主要用于药品的包衣、打光，也可用于食品、化工等行业中球型或者颗粒状物体的塑形。

This machine is widely used in the pharmaceutical industry, mainly used for drug coating and polishing, but also for food, chemical and other industries in the shape of spherical or granular objects.

结构特点Structural characteristics:

该包衣机采用不锈钢制造，整机传动平稳，性能可靠，清洗维修方便，热效率高，可随生产工艺要求调节包衣锅角度，使用方便，是医药、食品、化工等行业中的理想设备。该机还可根据用户需求增加无级调速、全包外壳、喷液泵及热风除尘等系统。

The coating machine is made of stainless steel, the complete machine has stable transmission, reliable performance, convenient cleaning and maintenance, high thermal efficiency, can adjust the angle of coating pan with the requirements of production process, easy to use, and is an ideal equipment in medicine, food, chemical industry and so on. The machine can also option stepless speed regulation, full package shell, spray pump and hot air dust removal system according to the requirements of users.

工作原理Working principles:

制丸机制出的丸粒物料经过出料端进入撒粉机滚筒，料斗的粉料经料斗内底部推进器均匀地向滚筒内进行撒粉，并使其黏附于丸粒表面，丸粒经滚筒带动，匀速滚筒，并经螺旋线推动使其向出口处移动，从而达到丸粒表面均匀黏附粉料的功能。

The coating machine solution was sprayed on the rolling pellets surface by spraying, and hot air was injected to evaporate the solvent on the rolling pill and form a continuous polymer film on the surface. The droplets are formed; the droplets move to the pellets, and spread and coalesce on the surface of the pellets to achieve high quality coating effect.

技术参数specifications:

设备型号Equipment model	BYJ-1000	BYJ-800	BYJ-500
包衣锅直径Coating pot diameter	φ 1000mm	φ 800mm	φ 500mm
生产效率The production efficiency	50- 70kg/次	40- 50kg/次	8-15kg/次
主电机功率Main motor power	1.5kw	1.5kw	0.55kw
包衣锅转速Coating pan speed	35r/min	35r/min	18-44r/min
电加热功率Electric heating power	2kw	2kw	0.5kw
角度调节范围Angle adjustment range	5-40°	5-40°	5-40°
风机功率The fan power	0.25kw	0.25kw	0.15kw
送风量delivery	2.2m /min	2.2m /min	0.8m /min
热风温度Hot air temperature	50-60℃	50-60℃	40-50℃
机器总重量Gross weight of machine	390kg	310kg	200kg
外形尺寸Overall dimensions	1000x 1100x 1720mm	800x 1100x 1620mm	550x 800x 1000mm

PQJ-800/1000系列倾倒式抛光机

PQJ-800/1000 Series Auto-discharging Polisher



工作原理Structural characteristics:

抛光机采用蜗轮蜗杆减速传动，锅体角度可以调整。系统主要电器元件采用西门子PLC，台湾触摸屏，知名厂家光电检测器，配置先进，本机有清洗、加热、喷浆、撒粉、除尘（抽湿）功能。与药品接触的部分及外表均采用不锈钢制造，符合GMP要求。可根据用户需求定制。

In the pan body with the rotation of the pot body, the pills between the continuous turnover and friction to make the pills surface more smooth and round. The machine has high degree of automation and can realize automatic control of incoming and outgoing materials. This machine is one of the indispensable equipment in the production of pill linkage. The polishing pot is used independently, does not interfere with each other, and the reserved air outlet is free of dust. Can realize automatic feed and discharge, reduce labor intensity.

结构特点Working principles:

药丸在锅体内随着锅体的转动，药丸之间不断翻转及摩擦使药丸表面更加光滑、圆整。该机自动化程度高，进出料可实现自动控制。该机是丸剂联动生产中不可缺少的设备之一，抛光锅独立使用，互不干扰，预留排风口无粉尘产生。可实现自动进料和出料，降低劳动强度。

The polishing machine adopts worm gear and worm deceleration drive, and the angle of the pot can be adjusted. system main electrical components using Siemens PLC, Taiwan touch screen, well-known manufacturers photoelectric detector, equipped with advanced, this machine has cleaning, heating, spraying, powder, dust removal (dehumidification) function. Contact with the drug part and appearance are made of stainless steel, meet the GMP requirements. It can be customized according to user needs.

主要用途 Main applications:

PQJ型自动抛光机是中药制丸剂生产的配套产品，用于各种药丸的打磨抛光。是中药制丸剂生产线不可或缺的理想设备。该设备为全封闭，配置先进，操作简单，外形美观，是一种自动化程度很高的药丸抛光设备。

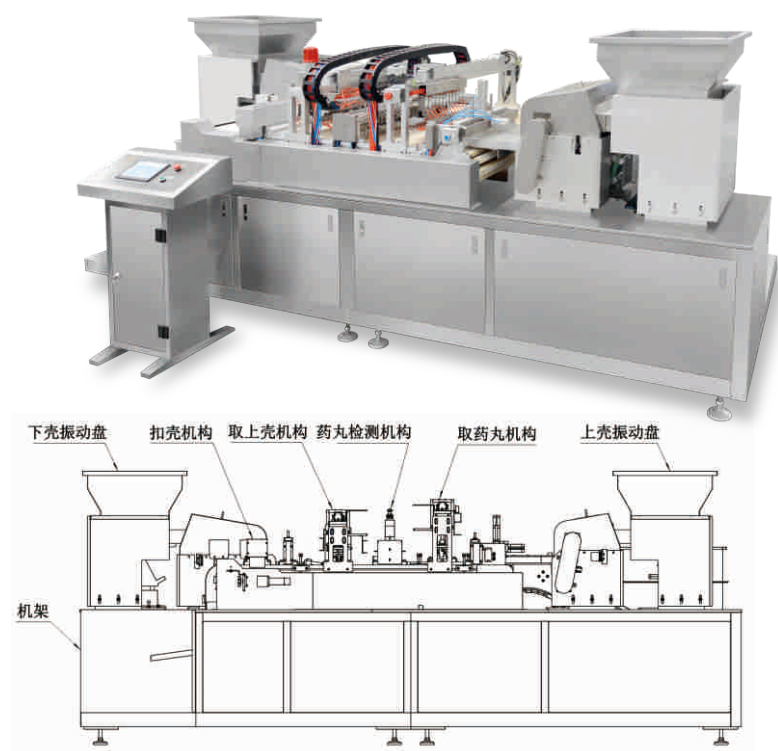
PQJ automatic polishing machine is a matching product produced by traditional Chinese medicine pellets making agent, which is used for polishing all kinds of pills. It is the traditional Chinese medicine pill production line indispensable ideal equipment. The equipment is completely closed, advanced configuration, simple operation, beautiful appearance, is a high degree of automation of pill polishing equipment.

技术参数Technical parameters:

型号 model	锅体直径 Pot body diameter	电机总功率 Total motor power	外形尺寸 Overall dimensions
PGJ-1000 (3)	φ 1000mm	9.6kw	4100X1650X2130mm
PGJ-1000 (4)	φ 1000mm	12.6kw	5300X1290X1500mm
PGJ-1000 (5)	φ 1000mm	1.6kw	6500X1 550X2140mm
PGJ-1000 (6)	φ 1000mm	19.2kw	7700X1290X1550mm

全自动大蜜丸扣壳机

Automatic Large-scale Buckle Shell Sealing Machine



本机特点Machine features:

- 1. 机身主体为304材料；
- 2. 整机直线型设计，采用“PLC+触摸屏”控制；
- 3. 机身传动部分采用高精度电缸驱动，输送链采用伺服电机驱动，其它相关动作采用SMC高精度气缸动作,震动上料机采用德国“艺利”震动源；
- 4. 相关检测电器元件采用德国“西克”光电开关精密检测；
- 5. 本机设计产量约20000枚/小时；
- 6. 本机最大特点是：人性化设计，智能化控制；

- (1) The machine body is 304 material.
- (2) The machine linear design, using "PLC touch screen" control.
- (3) The transmission part is driven by high precision electric cylinder. The conveying chain is driven by servo motor, the other related actions are SMC high precision cylinder action, and the vibration feeder adopts the German "Eriez" vibration source.
- (4) The related detection of electrical components using the German "Sick" photoelectric switch precision detection.
- (5) The design output of this machine is about 20000 units per hour.
- (6)The characteristic of this machine is: humanized design, intelligent control.

工作原理Working principles:

- 1.上下壳通过电振供料输送到电振板上，经过振动源及滚刷转动的清除，使上下壳有序的分成若干排。

2.下壳电振板与输送链板直接相连，通过下壳输送机构将下壳送入主输送模板条孔内。

3.在主输送模板条与布丸自动上料机构之间安装有真空机械手，电缸驱动真空机械手在主输送模板条与布丸机构之间做往复运动，机械手上安装有两排共24个真空吸盘，将药丸放在有下壳的模具内。

4.主输送模板条安装在两条输送链条上，输送链条在伺服电机驱动下作步进移动。在模板条上、下方沿步进转动方向从右至左安装有：下壳上料定位机构、取药丸装置、药丸检测装置、取上壳装置、扣壳装置、成品及半成品导出装置、成品及半成分流装置。
- (1)Upper and lower shells are transported to the electric vibration plate by electric vibration feed, and the upper and lower shells are divided into several rows in an orderly manner through the removal of vibration source and rolling brush rotation.

(2)Lower shell electric vibration plate is directly connected with the chain conveyor, and the lower shell is fed into the hole on the surface of the chain conveyor through the lower shell conveying mechanism.

(3)A vacuum manipulator is installed between the main transmission chain conveyor and the automatic feeding mechanism of the distribution. The electric cylinder drives the vacuum manipulator to reciprocate between the main transmission and the disreibution mechanism. Two rows of 24 vacuum suckers are installed on the manipulator. Place the pill in a hole on the chain conveyor with a lower shell.

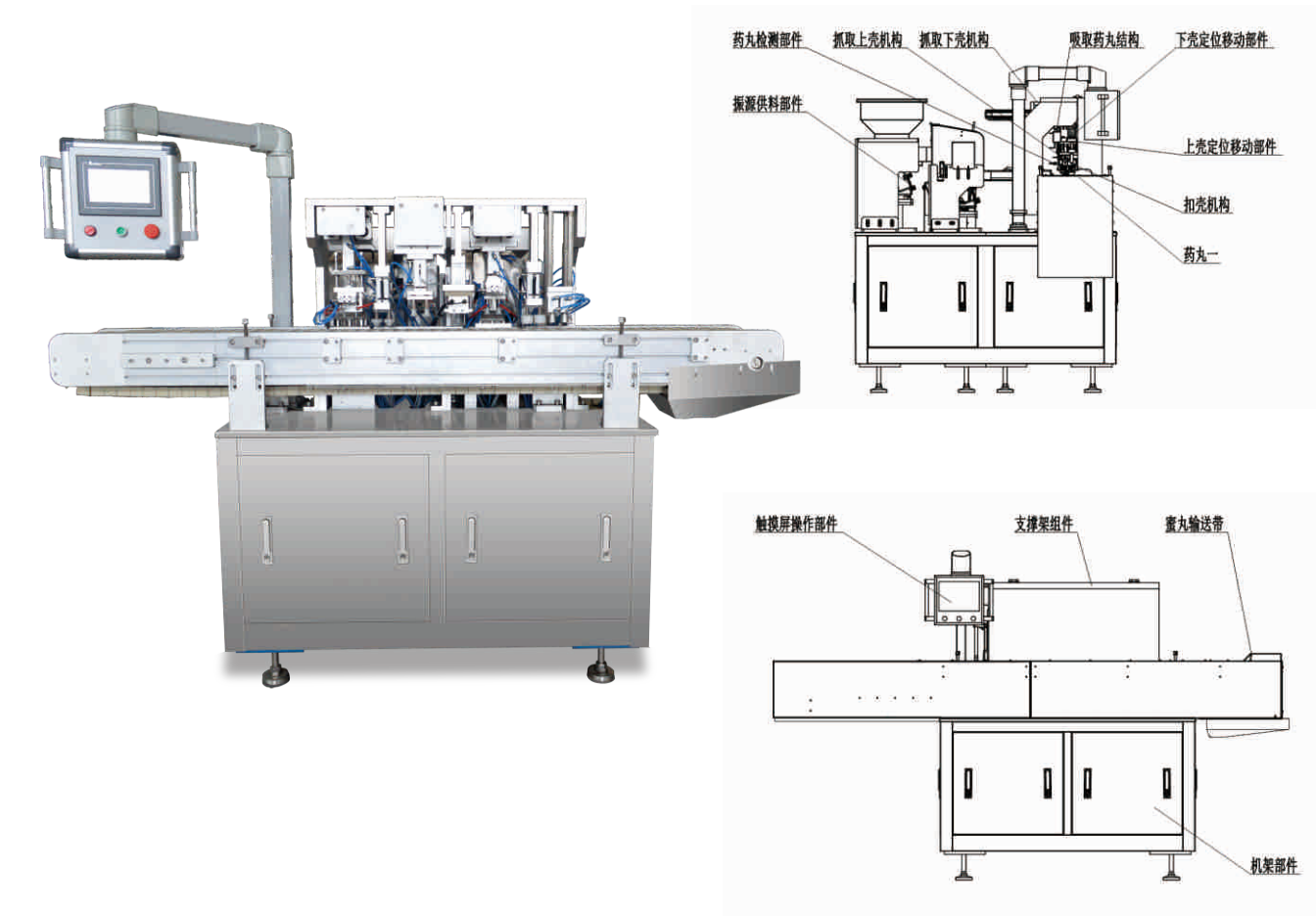
(4)Main conveying template bar is installed on two conveying chains, which are driven by servo motor. The upper and lower parts of the template bar are arranged from right to left along the direction of step rotation: lower shell feeding and positioning mechanism, pills picking device, pill testing device, upper shell picking device, buckle shell device, finished and semi-finished product export device, finished and semi-finished product shunt device.

技术参数Technical parameters:

设备名称 Device name	自动扣壳机 Automatic shell fastening machine	设备型号 Equipment model	KKZ9-20
设备标称产能 Nominal capacity of equipment	18000-22000丸/小时	设备重量 Equipment weight	2500 KG
外形尺寸（长×宽×高） Overall dimension (length × width × height)	3850X1650 × 1600 mm	使用、维修尺寸（长×宽×高） Dimensions for use and maintenance (length × width × height)	5000 × 3000 × 2600 mm
额定电压 The rated voltage	380V ± 10% 50HZ	设备噪音 Equipment noise	75分贝
总功率 The total power	6 Kw	环境湿度要求 Environmental humidity requirement	50--85 %
额定电流 Rated current	13 A	环境温度要求 Environmental humidity requirement	5—40 ℃
压缩空气压力 Compressed air pressure	≥0.6MPa	耗气量 Gas consumption	0.6m /min

直线扣壳机

Buckle Shell Sealing Machine



工作原理Working principles:

- 1.上下壳通过电振供料输送到电振板上，经过振动源及滚刷转动的清除，使上下壳有序的分成若干排。

2.下壳电振板与输送链板直接相连，通过下壳输送机构将下壳送入主输送模板条孔内。

3.在主输送模板条与布丸自动上料机构之间安装有真空机械手，电缸驱动真空机械手在主输送模板条与布丸机构之间做往复运动，机械手上安装有两排共24个真空吸盘，将药丸放在有下壳的模具内。

4.主输送模板条安装在两条输送链条上，输送链条在伺服电机驱动下作步进移动。在模板条上、下方沿步进转动方向从右至左安装有：下壳上料定位机构、取药丸装置、药丸检测装置、取上壳装置、扣壳装置、成品及半成品导出装置、成品及半成分流装置。
- (1)Upper and lower shells are transported to the electric vibration plate by electric vibration feed, and the upper and lower shells are divided into several rows in an orderly manner through the removal of vibration source and rolling brush rotation.

(2)Lower shell electric vibration plate is directly connected with the chain conveyor, and the lower shell is fed into the hole on the surface of the chain conveyor through the lower shell conveying mechanism.

(3)A vacuum manipulator is installed between the main transmission chain conveyor and the automatic feeding mechanism of the distribution. The electric cylinder drives the vacuum manipulator to reciprocate between the main transmission and the disreibution mechanism. Two rows of 24 vacuum suckers are installed on the manipulator. Place the pill in a hole on the chain conveyor with a lower shell.

(4)Main conveying template bar is installed on two conveying chains, which are driven by servo motor. The upper and lower parts of the template bar are arranged from right to left along the direction of step rotation: lower shell feeding and positioning mechanism, pills picking device, pill testing device, upper shell picking device, buckle shell device, finished and semi-finished product export device, finished and semi-finished product shunt device.

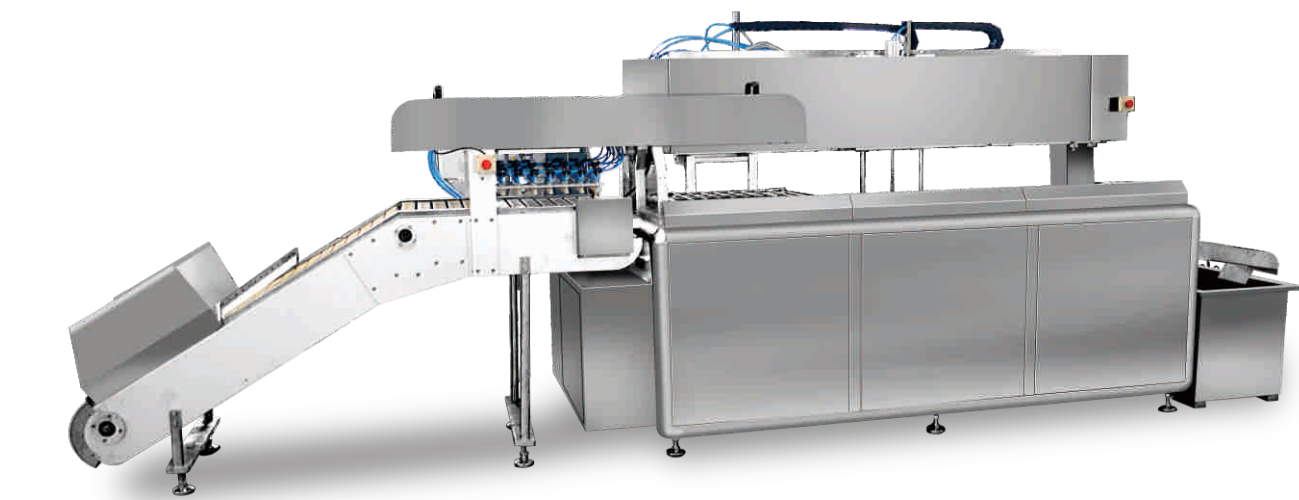
本机特点Machine features:

- 1. 机身主体为304材料；
- 2. 整机直线型设计，采用“PLC+触摸屏”控制；
- 3. 机身传动部分采用高精度电缸驱动，输送链采用伺服电机驱动，其它相关动作采用SMC高精度气缸动作,震动上料机采用德国“艺利”震动源；
- 4. 相关检测电器元件采用德国“西克”光电开关精密检测；
- 5. 本机设计产量约3000-5000枚/小时；
- 6. 本机最大特点是：人性化设计，智能化控制；

- (1) The machine body is 304 material.
- (2) The machine linear design, using "PLC touch screen" control.
- (3) The transmission part is driven by high precision electric cylinder. The conveying chain is driven by servo motor, the other related actions are SMC high precision cylinder action, and the vibration feeder adopts the German "Eriez" vibration source.
- (4) The related detection of electrical components using the German "Sick" photoelectric switch precision detection.
- (5) The design output of this machine is about 3000-5000 units per hour.
- (6) The characteristic of this machine is: humanized design, intelligent control.

双机械臂直线蘸蜡机

Double arms wax dipping machine



Main applications

本机广泛适用于制药行业，主要针对大蜜丸的蜡壳密封。
This machine is widely used in pharmaceutical industry, mainly for wax shell sealing of large pills.

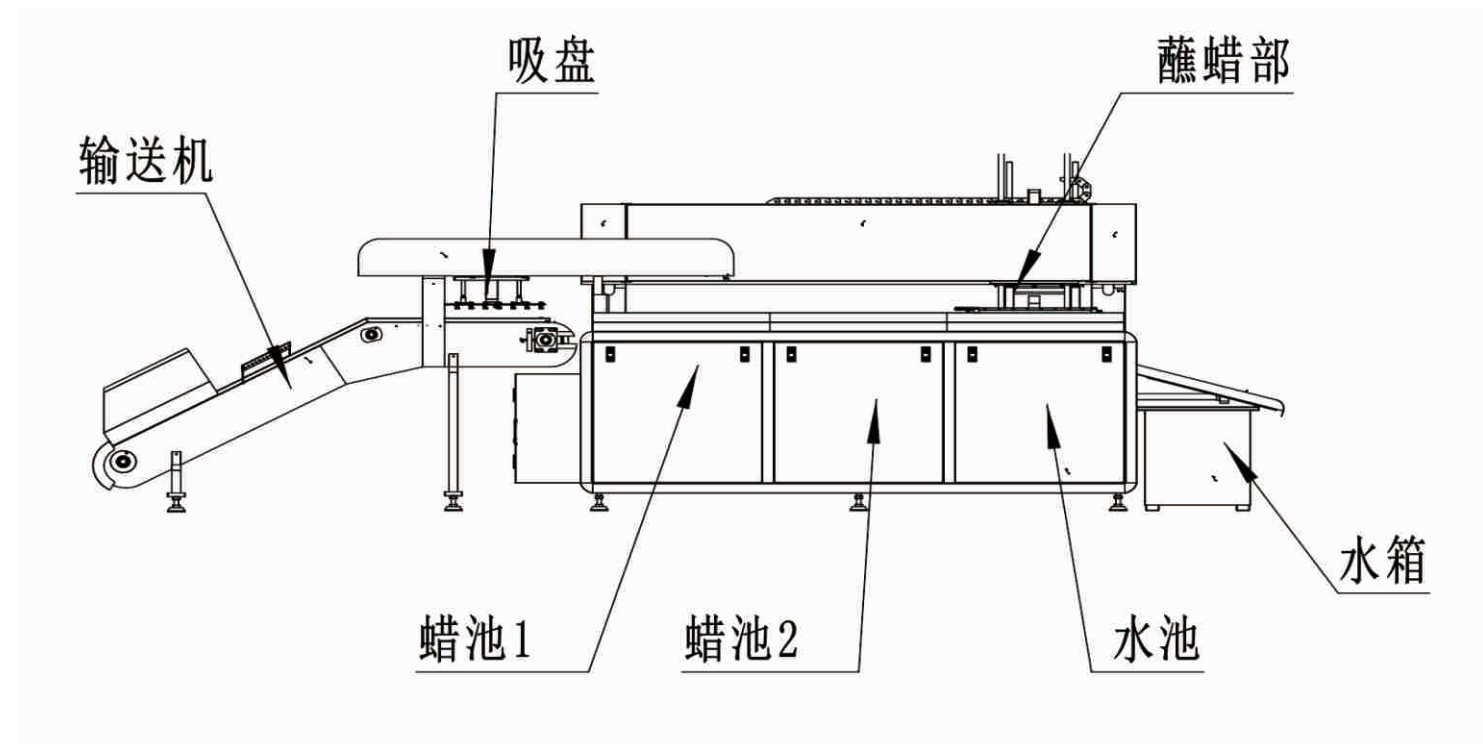
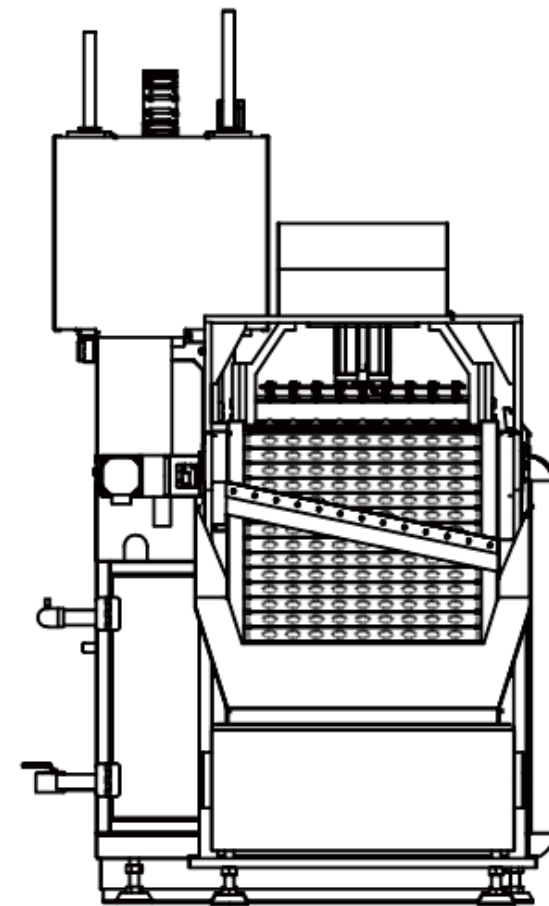
Structure features

1. 本机有两组蘸蜡机构，蘸蜡速度快。
 2. 本机占地面积所需蜡液相对圆盘蘸蜡机少，节约能源。
 3. 本机采用PLC可编程序控制器，编码器的高新技术，自动化程度高，采用人机界面，操作简单。
 4. 该机外型简洁、造型大方、易清洁，易维修，经久耐用，操作方便，整机均采用不锈钢，符合GMP要求。
- (1) This machine has two groups of wax dipping mechanism, the speed of wax dipping is fast.
(2) This machine covers an area, the wax liquid is less than the disc wax dipping machine, saving energy.
(3) The machine adopts PLC programmable controller, encoder and other high-tech, high degree of automation, man-machine interface, simple operation.
(4) The machine is simple in appearance, generous in shape, easy to clean, easy to maintain, durable and easy to operate, the whole machine adopts stainless steel, which meets the GMP requirements.

Working principle

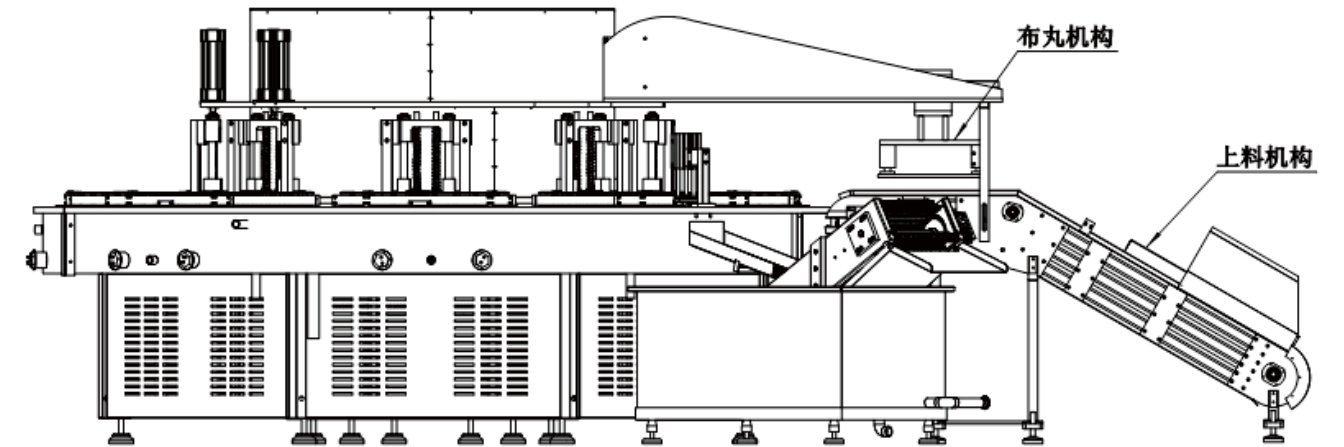
本机为全自动封蜡机械设备。首先将装好药丸的塑壳倒入输送机的接料部，通过输送机内部的定位机构将错乱无序的塑壳输送落入定距的定位孔中，再通过由丝杠控制的吸盘，将扣好药丸的塑料壳子吸住并放到蘸蜡盘上，电机驱动蘸蜡机构运动至蜡池上方，气缸推动装有塑壳的蘸蜡盘向下进入蜡池蘸蜡，蘸蜡完成后蘸蜡盘回到蜡池上方并继续向前运行至水池上方，气缸再次推动蘸蜡盘向下运行并释放蜡壳，使蜡壳进入水池冷却，蜡壳随流动的水漂流到出水口并滚动到水池外，从而完成送壳，布壳，吸壳，蘸蜡，冷却等过程。

This machine is automatic wax sealing mechanical equipment. First, the plastic shell loaded with the pill is poured into the connecting part of the conveyor, and the disordered plastic shell is transported into the fixed position hole through the positioning mechanism inside the conveyor. The plastic shell of the pill is sucked and placed on the wax dipping plate through the sucker controlled by the lead screw. The motor drives the wax dipping mechanism to move to the top of the wax pool. The cylinder pushes the wax dipping plate with the plastic shell down into the wax pool and continues to run forward to the top of the pool. The cylinder pushes the wax dipping plate down again and releases the wax shell into the pool to cool. The wax shell drifts into the outlet and rolls out of the pool with flowing water. In order to complete the shell feeding, cloth shell, suction shell, wax dipping, cooling and other processes.



全自动大蜜丸蘸蜡机

Automatic Buckle Shell Wax Sealing Machine



结构特点Structure features：

1.布壳采用真空吸盘，对塑壳的外观有了保护措施，其布壳精度高、对塑壳零破损。
2.在连续蘸蜡的生产过程中可保证蜡壳表面光滑，具有良好的密封效果。蘸蜡后的成品蜡壳蘸层厚度均匀、外型美观。生产能力及成品率均优于传统的手工蘸蜡，满足广大用户的生产需求。
3.本设备在生产过程中可以轻松的调整由于外界环境所造成的水温、蜡温不稳定的现象。如有特殊规格的产品，本公司可以根据用户需求定做所需配件。
4.机身采用美观的圆形构造，占地面积适中，空间利用充分。
5.机身传动部分采用日本SMC高精度电缸驱动，相关检测电器元件采用国际知名品牌光电开关精密检测。

(1)A vacuum sucker is used in the shell to protect the appearance of the plastic shell, which has high precision and zero damage to the plastic shell.
(2)It can ensure smooth surface of wax shell and good sealing effect during continuous wax dipping production. After dipping wax, the finished wax shell dipping layer thickness uniform, beautiful appearance. The production capacity and finished product rate are superior to the traditional manual wax dipping to meet the production needs of the majority of users.
(3) The equipment in the production process can easily adjust the external environment caused by water temperature, wax temperature instability phenomenon. If there are special specifications of products, the company can be customized according to the needs of users.
(4) Fuselage adopts beautiful circular structure, covers an area of moderate, space utilization is full.
(5)The fuselage transmission part adopts the Japanese SMC high precision electric cylinder drive; the related inspection electrical component adopts the international famous brand photoelectric switch precision inspection

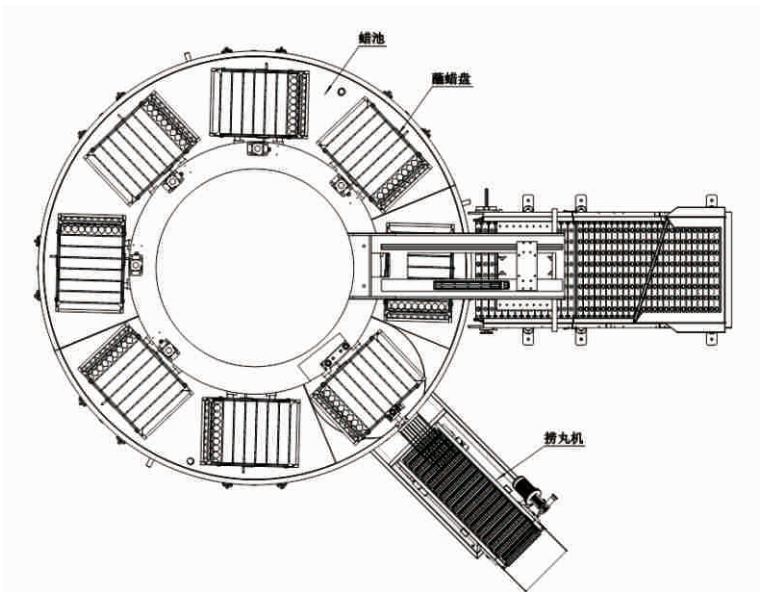
工作原理Working principles:

本设备为全自动蘸蜡机，首先将扣入药丸的塑壳通过输送定位机构，将错乱无序的塑壳等距矩阵排布，再通过由电缸控制的吸盘，将扣好药丸的塑壳抓取至蘸蜡盘上，蘸蜡盘通过凸轮间歇机构驱动做圆周运动，并依次在各工位短暂停顿，停顿过程中由气缸驱动蘸蜡盘在蜡池中上下往复运动一次来完成一次蘸蜡动作，蘸蜡盘在圆周运动过程中根据工艺要求可做数次蘸蜡动作，最终在卸料处完成卸料动作，蜡壳落入水池中，经捞丸机将冷却后的蜡壳捞出即完成整个蘸蜡过程。本机可完成自动连续上壳、布壳、蘸蜡、冷却及出料过程。
The device is a fully automatic wax dipping machine. First, the plastic shell is arranged by conveying the positioning mechanism, and then the plastic shell is grabbed onto the wax plate by the sucker controlled by the electric cylinder, and the wax plate is driven by the cam intermittent mechanism to make circular motion. During the pause, the cylinder is driven to dip the wax plate up and down in the wax pool to complete the wax dip once, and the wax plate can be dipped several times according to the process requirements, finally the unloading action is completed at the unloading place, the wax shell falls into the pool, The cooling wax shell is removed by the ball fishing machine to complete the whole wax dipping process. This machine can complete automatic continuous shell, cloth shell, dip wax, cooling and discharging process.

组成部分Component parts：

- 1.传动机构
- 2.分度定位机构
- 3.浸蜡时间周期控制系统
- 4.浸蜡的控制机构
- 5.待浸蜡丸输送定位机构
- 6.待浸蜡丸抓取定位机构
- 7.已浸蜡丸的反转机构
- 8.已浸蜡丸冷却送出机构

- (1)Transmission mechanism
- (2)Indexing positioning mechanism
- (3)Time cycle control system for wax immersion
- (4)Control mechanism for wax immersion
- (5)Positioning mechanism for the delivery of wax-soaked buckle shell.
- (6)Position determination mechanism of wax buckle shell
- (7)Reversal mechanism of wax impregnated
- (8) wax-soaked pellets cooling delivery mechanism



技术参数Technical parameters:

设备名称 Device name	自动扣壳机 Automatic shell fastening machine	设备型号 Equipment model	KKZ9-20
设备标称产能 Nominal capacity of equipment	18000-22000丸/小时	设备重量 Equipment weight	2500 KG
外形尺寸（长×宽×高） Overall dimension (length × width × height)	3850X1650 × 1600 mm	使用、维修尺寸（长×宽×高） Dimensions for use and maintenance (length × width × height)	5000 × 3000 × 2600 mm
额定电压 The rated voltage	380V ± 10% 50HZ	设备噪音 Equipment noise	75分贝
总功率 The total power	6 Kw	环境湿度要求 Environmental humidity requirement	50--85 %
额定电流 Rated current	13 A	环境温度要求 Environmental humidity requirement	5—40 ℃
压缩空气压力 Compressed air pressure	≥0.6MPa	耗气量 Gas consumption	0.6m /min

微型联动生产线

Micro-linkage production line



微型联动生产线介绍：

微型台式丸粒自动生产线是我公司研制开发的新一代产品。它是由CHJ-10槽形混合机、YUJ-10A台式中药制丸机、SWG-220微型丸粒滚筒筛、小型微波干燥机和BYJ-300荸荠式包衣机等设备组成。微型台式丸粒生产自动线布局合理，使用方便。可用于蜜丸、水蜜丸、浓缩丸等中药固体剂的生产、干燥、灭菌。改生产线设计合理，造型美观，配置合理，操作方便。广泛应用于制药、食品、化工等行业，是研究所，实验室，医院，小型药厂丸剂生产的首选。

Introduction to micro-linkage production line:

The automatic production line of miniature desktop pellet is a new generation of products developed by our company. It is composed of CHJ-10 trough mixer, YUJ-10A table traditional Chinese medicine pellet making machine, SWG-220 micro pellet roller sieve, small microwave drying machine and BYJ-300 water chestnut coating machine. The layout of the automatic production line of miniature desktop pellet is reasonable and easy to use. It can be used in the production, drying and sterilization of Chinese medicine solid agent such as honey pill, water honey pill and concentrated pill. The production line design is reasonable, the shape is beautiful, the configuration is reasonable, the operation is convenient. Widely used in pharmaceutical, food, chemical and other industries, it is the first choice of pill production in research institutes, laboratories, hospitals and small pharmaceutical factories.

工作流程:

将不同种类的湿料或干性粉状物料在CHJ-10槽形混合机中混合均匀，送到YUJ-10A台式制丸机料仓中，在螺旋推动器的挤压下，制出一根或三根直径相同的药条，经过刀轮，顺条器同步进入制丸刀轮中，经过快速切磋，制成大小均匀的药丸，再将药丸送入SWG-220微型丸粒滚筒筛的进料斗中，经微型滚筒筛三级分选，将合格丸粒送入小型微波干燥机的料斗内，经过干燥灭菌后的合格产品药丸送入BYJ-300荸荠式包衣机，对其外表进行抛光或包糖衣，完成微型丸粒的生产。

生产线特点：

微型丸粒自动生产线：布局合理，占地面积小，耗电能低，重量轻，运行平稳，使用方便。此生产线与药物接触表面全部由不锈钢材料制成，符合国家药监局对制药设备的GMP标准要求。

Workflow:

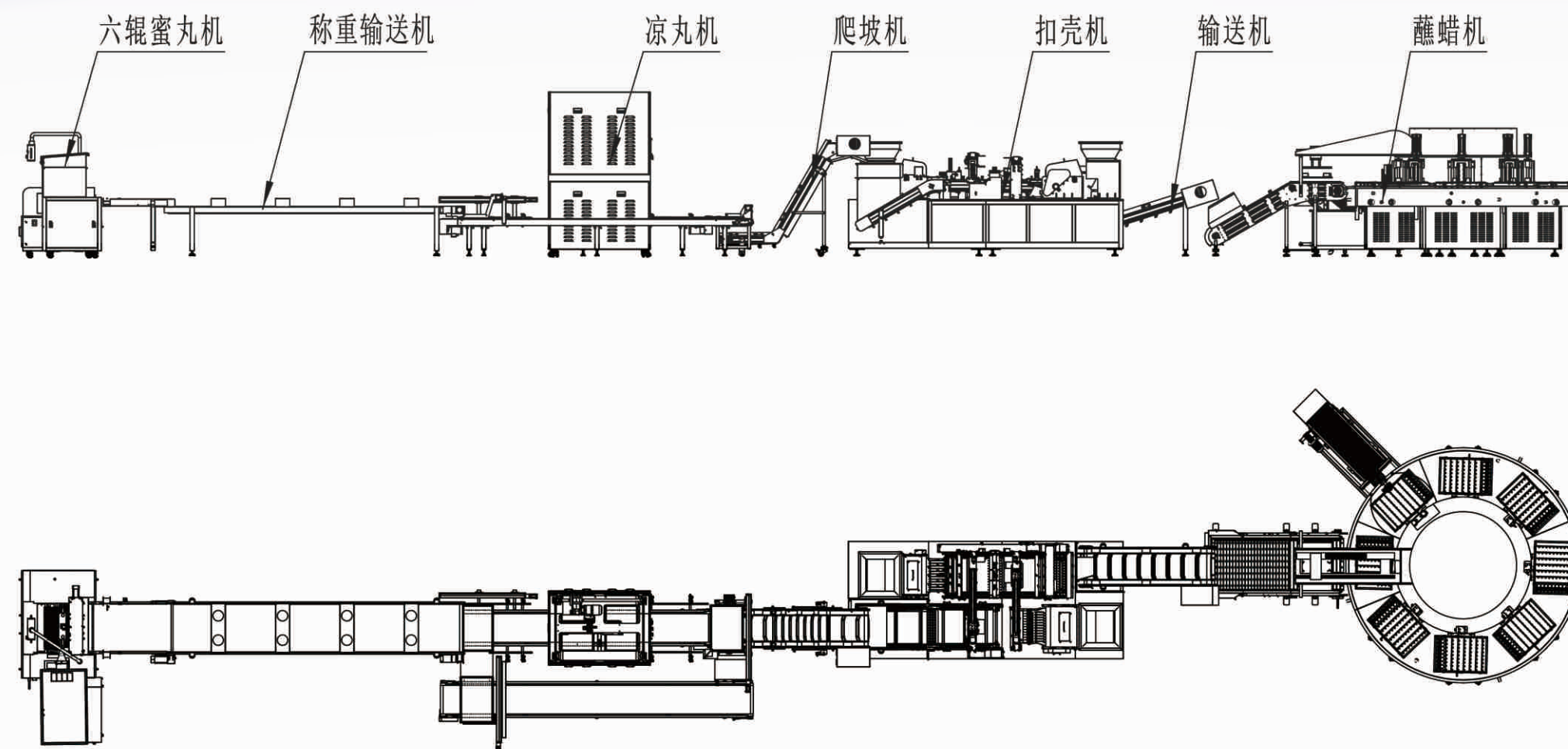
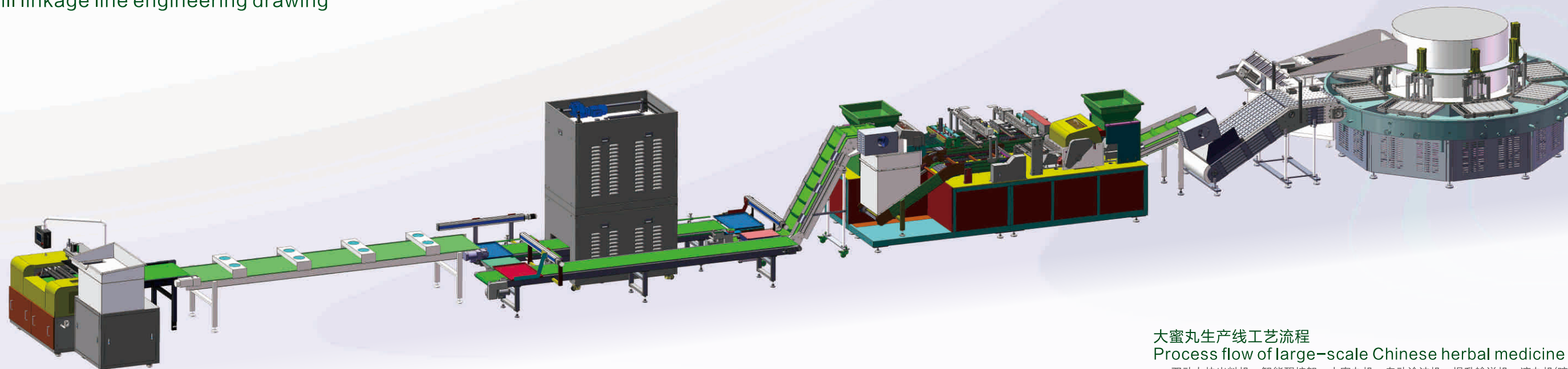
Will be different kinds of material wet or dry powder material in CHJ - 10 channel mixer mixing, to YUJ bin - 10 - a desktop pelletizing machine under the extrusion of screw driver, make a root or root diameter of the same medicine, after a knife wheel, suitable article implement synchronous into pellet knife wheel, after a quick notes and made uniform pills, then pill into SWG - 220 micro pill granule drum sieve into the hopper, the miniature roller screen 3 sorting and send qualified pill granule to small microwave within the hopper dryer, after drying and qualified products pill into water chestnut BYJ - 300 type coating machine, The outer surface is polished or coated to finish the production of micro-pellets.

Workflow:

Micro-pellet automatic production line: reasonable layout, small floor space, low power consumption, light weight, smooth operation, easy to use. The contact surfaces of the production line and the drugs are all made of stainless steel materials, which meet the GMP standard requirements of the pharmaceutical equipment of the State Administration of Food and Drug Administration.

大蜜丸联动线工程图

Daomi pill linkage line engineering drawing



大蜜丸生产线工艺流程

Process flow of large-scale Chinese herbal medicine pills:

双动力快出料机→智能醒坨架→大蜜丸机→自动涂油机→提升输送机→凉丸机(晾丸架)→提升输送机→大蜜丸扣壳机→蘸蜡机→凉丸蜡壳风干机→移印机

Double-driving High-speed discharging mixer → Intelligent cooling tunnel → Large-scale pills machine → Automatic oiling machine → Lifting conveyor → Cooling machine (support) → Lifting conveyor → Automatic large-scale buckle shell sealing machine → Dipping wax machine → Wax cooling machine → printing machine.

中药大蜜丸生产过程描述

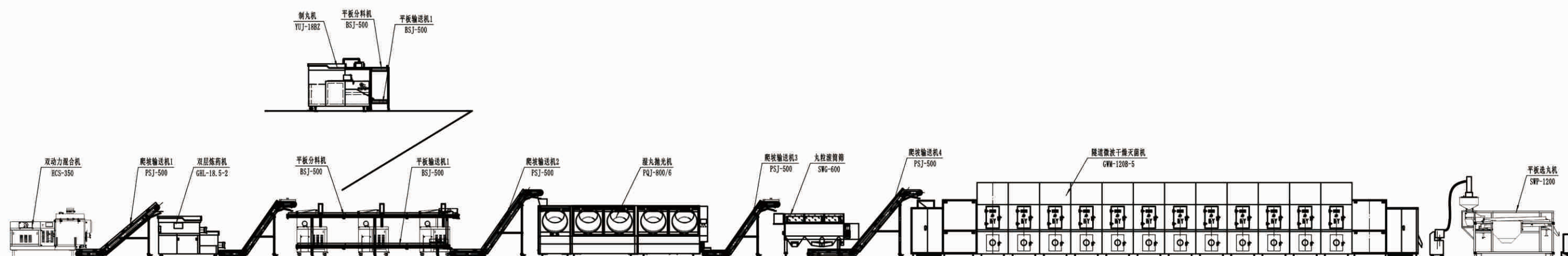
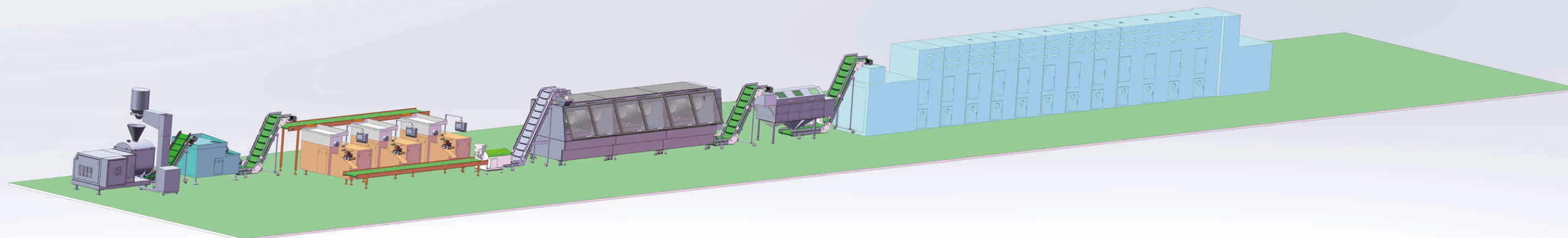
Description of production process of Large-scale Pills:

混合均匀的药粉、蜂蜜自动加入双动力混合机，加粉加蜜全封闭进行，无粉尘。搅拌混合均匀后，药坨自动送入醒坨盘，送入智能醒坨架待用。醒坨后自动送入大蜜丸机存料盘内。药坨进入大丸机进料口，由螺旋推进挤出药条，出条筒为可通入热水和冷却水的夹层水套。由搓丸机构根据重量要求制成丸剂。制丸过程自动完成刷油和蠕动泵滴酒精。可通过出条嘴调节出条大小，保证丸重在规定范围内。成品丸被输送至凉丸机进行凉丸。药丸经凉丸处理后送入扣壳机内，通过对上下壳的自动振动整理，药丸被扣在上下塑壳内。扣好的塑壳传送到蘸蜡机，通过蘸蜡次数和温度的控制，塑壳表面蘸上薄厚均匀、重量一致的蜡，通过冷却输送进入下一道工序。

Mix evenly powder and honey automatically feed into Double-driving High-speed discharging mixer, add powder and honey completely closed, no dust. After mixing evenly, the medicine pellets is automatically fed into the cooling plate and sent into the intelligent cooling tunnel frame to be used. After cooling, it is automatically sent into the storage plate of the large-scale pills machine. The medicine pellets enters the feed port of the large-scale pills machine, and the medicine strip is pushed out by the screw, and the outlet nozzle is within heating or cooling jacket that can enter hot water and cooling water. The pill is made by the forming mechanism according to the weight requirement. The pill making process automatically completes the brush oil and the peristaltic pump drops the alcohol or plant oil. The size of the strip can be adjusted by the mouth to ensure that the weight of the pill is within the prescribed range. The finished pills are transported to the cooling machine for cold pills. The pill was treated by cool pill and sent into the buckle shell sealing machine. By automatic vibration arrangement of the upper and lower shells, the pills were sealed to the upper and lower plastic shells. The buckled plastic shell is transmitted to the wax dipping machine. By the control of the number and temperature of the wax dipping, the surface of the plastic shell is dipped in the thin and uniform wax with the same weight, and the next process is entered by cooling and conveying.

全自动制丸联动线工程图

Automatic Traditional Chinese Herbs Medicine Pills Producing Method



全自动丸剂生产线工艺流程：

混合→爬坡输送→炼药→平板输送→制丸→撒粉→爬坡输送→自动抛光→筛丸→干燥→选丸

设备总体安全高效、节能环保，自动化程度高，既改善了生产环境，又减轻了劳动强度，符合国家质检标准要求，非常适合大型现代化工业生产企业。

FULL-AUTOMATIC PILL PRODUCTION LINE PROCESS FLOW:

Mixing→Lift Conveyor→Extrude mixing→Belt Conveyor→Pills Making→Spraying Powder →Lift Conveyor→Auto Polishing→1st Pills Sorting →Drying →2nd Pills Sorting →Packaging

The complete processing equipment is safety and working effectively, and within energy saving and environmental protection and high degree of automation. It is not only improving the production environment, but also reducing the labor intensity. The complete processing equipment meets the requirements of the national quality inspection standards, very suitable for large modern industrial production enterprises.