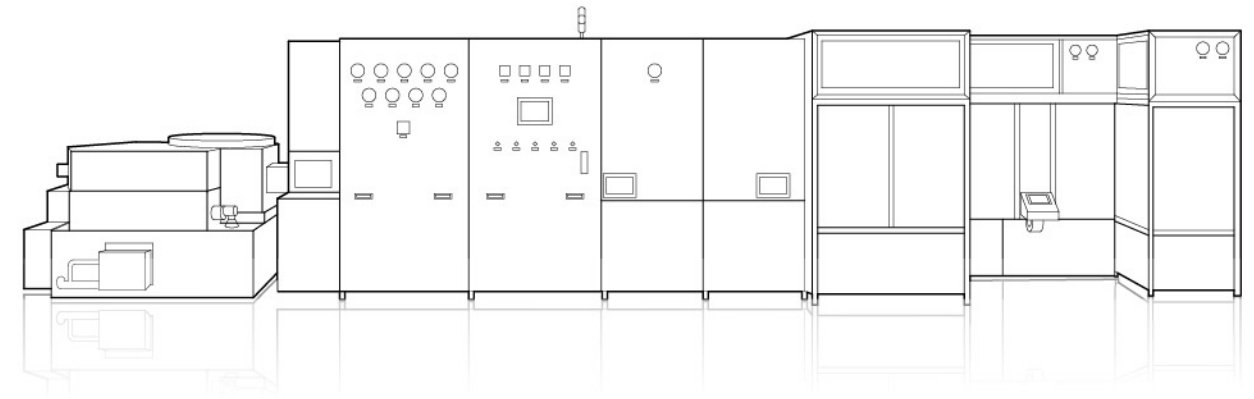




YIA 伊亚

技术创新 · 智慧工厂
TECHNOLOGICAL INNOVATION SMART FACTORY



PRODUCT MANUAL

产品手册



Scan The Code To Follow

目录

CATALOG

**YIA Intelligence Produce
Creating Intelligent Filling Production Line**

Production Line Series

Vial Bottle For Liquid Washing Drying Filling Stoppering Production Line	05
Large Infusion,vaccine Washing Drying Filling Stoppering Sealing Production Line	07
20-150ml Oral Liquid Washing Drying Filling Sealing Production Line	09
5-50ml Plastic Tube Bottle Oral Liquid Filling Production Line	11
Spray Filling Production Line	13
Drops Filling Production Line	17
Cream Filling Production Line	19
Big Volume Filling Production Line	21
Vial Powder Injection Filling Production Line	23
Powder Filling Production Line	25

Separate Machine Series

Automatic Bottle Unscrambler	27
Conveyor Type Bottle Feeder ,rotary Type Bottle Feeder	29
Washing Machine Series	30
Liquid Filling Machine	37
Oral Liquid Filling Machine	
Filling Stoppering Machine	
Cryo - Tube / Bottle Sterile Filling Machine	
Filling Capping (Sealing) Machine	
Filling Stoppering Capping (Sealing) Machine	
Cream Filling Machine Series	45
Powder Filling Machine Series	49
Capping ,sealing,press Machine Series	51
Labeling Machine Series	53
Other Supporting Equipment	55

苏州伊亚制药机械科技有限公司

公司简介 COMPANY PROFILE

Suzhou YIA Pharmaceutical Machinery Technology Co., Ltd was established in 2017 and is a comprehensive production enterprise that integrates technology research and development, product design, production and manufacturing, and pre-sales and after-sales services. The company is a national high-tech enterprise, a private technology enterprise in Jiangsu Province, a technology-based small and medium-sized enterprise, and a member of the China Pharmaceutical Equipment Industry Association. The company is located in the modern garden city 'Taicang', adjacent to Shanghai with convenient transportation. Since its inception, the company has steadfastly taken the path of technological innovation, committed to the automation and intelligence of equipment, and jointly built a future smart factory with customers.

Company adheres to the business philosophy of 'honesty first, building a brand, providin high-quality services, and winning the market'. The company focuses on talent strategic development, synchronizes technological progress with talent construction, and establishes a capable

and efficient workforce. The company has multiple positions for each position, and employs experts and professors as technical advisors through flexible talent introduction, indirectly participating in the company's daily research and development activities. The company attaches great importance to intellectual property protection, and has applied for multiple invention patents and utility model patents for its products. The company has a complete system of independent product research and development, design, manufacturing, sales, management, and sales services, focusing on the research and development and manufacturing of related industry products. It continuously pursues the leading application of products, adopts a marketing model mainly based on direct sales and supplemented by agency, and has invested strong energy, manpower, and financial resources in quality management, At the same time, we focus on cultivating comprehensive talents in research and development, design, manufacturing, sales, management, and after-sales service; Ensure good after-sales service and earn respect.

Main Business

Bottle packaging production line equipment for injection liquid, oral liquid, tincture mixture syrup, external preparation, cream lotion, powder granule .

Main Product

Bottle Unscrambler, Washing Machine, Sterilizing Drying Oven, Filling Stoppering, Press Cap, Capping, Sealing etc product. (Provide 0.2-1000ml liquid ,0.2g-100g,100-500g powder and granule bottle packing machine)

Production Standards

ISO, SMS, DIN, 3A, cGMP.

Material Technics

SUS304, SUS316L, POM, PTFE etc material produce , Adopting various surface treatment methods such as polishing, sandblasting, and sanding. The equipment is widely used in the pharmaceutical, medical, food, and daily chemical industries.



Our products are available in over 20 countries and regions including Central Asia, Southeast Asia, Eastern Europe, Africa, the Middle East, South America, and Latin America. The company firmly implements the policy of "quality wins the market, management increases efficiency", and contributes its own strength to the development of the industry with high-energy and excellent services.



Established In 2017



Multiple Patents For Invention



High Tech Industry



ISO System

西林瓶液体 洗烘灌塞联动线

Vial Bottle For Liquid Washing Drying Filling Stoppering Production Line

设备简介 | Product Introduction

Bottle is transported to ultrasonic rough washing through the mesh belt, then flipped by the mechanical arm to make the bottle mouth downward. The bottle washing needle is held and swayed to track the operation. The bottle is alternately sprayed with water and air in an inverted state for cleaning. After cleaning, the mechanical arm turns the bottle upside down, and the bottle is sent out to a hot air circulation oven for drying and sterilization through the bottle discharging wheel. The bottle is then preheated, high-temperature drying and sterilization sections. The cooling section is transmitted to the filling and stoppering machine to orderly complete intermittent filling or linear tracking filling. The stoppering process is completed using an

oscillating stoppering method, and the mechanical arm or rotary table continuous stoppering method enters the bottle collection or is transmitted to the capping machine to complete capping and sealing.



主要技术参数 | Main technical parameters

Specification	YYXLX- I	YYXLX- II
Applicable specifications	1-25ml;30-100ml Vial bottle	1-25ml;30-100ml Vial bottle
Output	50-80 BPM	100-300 BPM
Filling error	≤±1%	≤±1%
Power supply / Power	380V/220V 60KW	380V/220V 80KW
Water pressure / Consumption	0.25-0.4Mpa 0.5m³/h	0.25-0.4Mpa 0.5-1T/h
Compressed air consumption	0.3-0.6Mpa 25-30m³/h	0.3-0.6Mpa 45-60m³/h
Dimensions(L*W*H)	11000×2300×2400mm	12000×3000×2400mm
Weight	6500KG	8000KG



大输液、疫苗供洗烘 灌塞轧盖联动线

Large Infusion, vaccine Washing Drying Filling Stoppering Sealing Production Line

设备简介 | Product Introduction

The production line consists of bottle feeding machine, ultrasonic bottle washing machine, tunnel sterilization oven, transitional bottle feeding machine, filling and stoppering machine, and capping machine; it is suitable for 50-500ml infusion bottle and vaccine bottle production. Bottles are unwrapped from the bottle feeding tray platform, and sent to the ultrasonic bottle washing machine through the turntable to complete rough washing, water and air flushing, and then enter the tunnel oven to dry and sterilize. Complete automatic liquid filling in sequence, intermittent stoppering or continuous stoppering, and then send it to the capping machine via the conveyor belt for capping and capping. The production line has stable performance, low noise

and no pollution. The whole line has an online automatic control function, and can be used as a stand-alone machine in addition to the online connection, and can provide a sterile isolation system.



主要技术参数 | Main technical parameters

Specification	YYSYX- I	YYSYX- II
Applicable specifications	50-500ml large infusion, vaccine bottle	50-500ml large infusion, vaccine bottle
Output	30-50 BPM	60-200 BPM
Filling error	≤±1%	≤±1%
Power supply/Power	380V/220V 55KW	380V/220V 65KW
Water pressure/consumption	0.25-0.4Mpa 0.5m³/h	0.25-0.4Mpa 0.5-1T/h
Compressed air consumption	0.3-0.6Mpa 15-35m³/h	0.3-0.6Mpa 25-60m³/h
Dimensions(L*W*H)	15000×2000×2400mm	15000×2000×2400mm
Weight	5000KG	6500KG



20-150ml口服液 洗烘灌轧联动生产线

20-150ml Oral Liquid Washing Drying Filling Sealing Production Line

设备简介 | Product Introduction

The production line consists of a bottle feeding machine, a bottle washing machine, a tunnel oven, and a filling and capping machine. It is mainly suitable for feeding 20-150ml oral liquid glass bottles, bottle cleaning, drying and sterilization, filling and capping and sealing. The production line equipment is combined by a single machine to form a line. According to the customer's production capacity and production process requirements, equipment can be selected to meet production needs.

Production line adopts PLC program control, integrates advanced intelligent electronic control technology, and has a simple and intuitive human-machine interface, achieving a perfect electromechanical integration design; The entire line has online automatic

control function, which can be used on a single machine except for the connecting line. The production line is stable and reliable, easy to operate, low noise, and pollution-free.



主要技术参数 | Main technical parameters

Specification	YYKFY- I	YYKFY- II	YYKFY-III
Applicable specifications	20-150ml oral liquid glass bottle (Metal threaded cap)		
Output	40-60 BPM	80-100 BPM	150-220 BPM
Filling error	≤±1%	≤±1%	≤±1%
Power supply/Power	380V/220V 45KW	380V/220V 55KW	380V/220V 75KW
Water pressure/consumption	0.25-0.4Mpa 0.5m³/h	0.25-0.4Mpa 0.5-1T/h	0.25-0.4Mpa 0.5-1T/h
Compressed air consumption	0.3-0.6Mpa 25-30m³/h	0.3-0.6Mpa 35-50m³/h	0.3-0.6Mpa 45-60m³/h
Dimensions(L*W*H)	12000×2000×2000mm	13000×2000×2000mm	12000×2500×2000mm
Weight	4500KG	5000KG	6500KG



5-50ml塑料管制瓶 口服液生产线

5-50ML Plastic Tube Bottle Oral Liquid Filling Production Line

设备简介 | Product Introduction

The plastic control bottle oral liquid filling production line is mainly composed of a bottle unscrambler and a filling and capping machine, and an air washing structure is selected according to user needs.

Aiming at the unstable standing of plastic control bottles, a fully automatic glass machine is used together with a filling and capping machine, and the elevator silo is used to store the bottles. Arranged into a single-row output into the filling machine conveyor belt, the conveyor belt guides the glass bolts in sequence to enter the filling machine for automatic filling, and the filling and capping machine can be configured intermittently or continuously according to customer needs. According to the needs, the air washing

structure can be selected before filling to purge and suck the dust and impurities in the bottle before filling. Follow the filling method to enter the filling, and the calculated flow body can be selected according to the user's needs. This line commonly uses a single drive service to drive the plunger flow body into the calculated volume filling, and the cover is automatically sorted into one direction by the vibrator. The cap is automatically screwed by hanging the cap or the cap is taken by the manipulator. The cap is screwed by force, and the pulling force value can be adjusted by touching the touch screen. After the capping is completed, it enters the bottle collection tray or is conveyed out by the conveyor belt and enters the next packaging process;

主要技术参数 | Main technical parameters

Specification	YYGKF- I	YYGKF- II
Applicable specifications	20-30ml (Batch-type)	20-30ml (Continuous-type)
Output	60-80 BPM	150-250 BPM
Filling error	±1%	±1%
Qualification rate	≥99%	≥99%
Power supply/Power	220V/50HZ 6KW	380V/50HZ 12KW
Compressed air consumption	0.4-0.6Mpa 35m ³ /h	0.4-0.6Mpa 60m ³ /h
Dimensions(L*W*H)	6000×1800×1850mm	8000×2000×1850mm
Weight	1800KG	3000KG



喷雾剂 灌装生产线

Spray Filling Production Line

设备简介 | Product Introduction

Spray filling production line is mainly composed of bottle unscrambler, spray filling capping machine (dust cover optional), labeling machine or sleeve labeling machine, and code spraying machine.

Spray filling production line suitable for automatic packaging processes such as glass bottles, plastic bottles, pump heads or droppers, outer caps, etc. Different bottle handling and loading methods are selected for bottle types. The disc positioning and linear spray filling models have a single and double station structure. The production capacity is selected according to customer needs, and the continuous model is a high-speed model. The production line can be equipped with air washing machines, dust cover, and other

equipment to meet user needs.



ATEX SPRAY BOTTLE PRODUCTION LINE

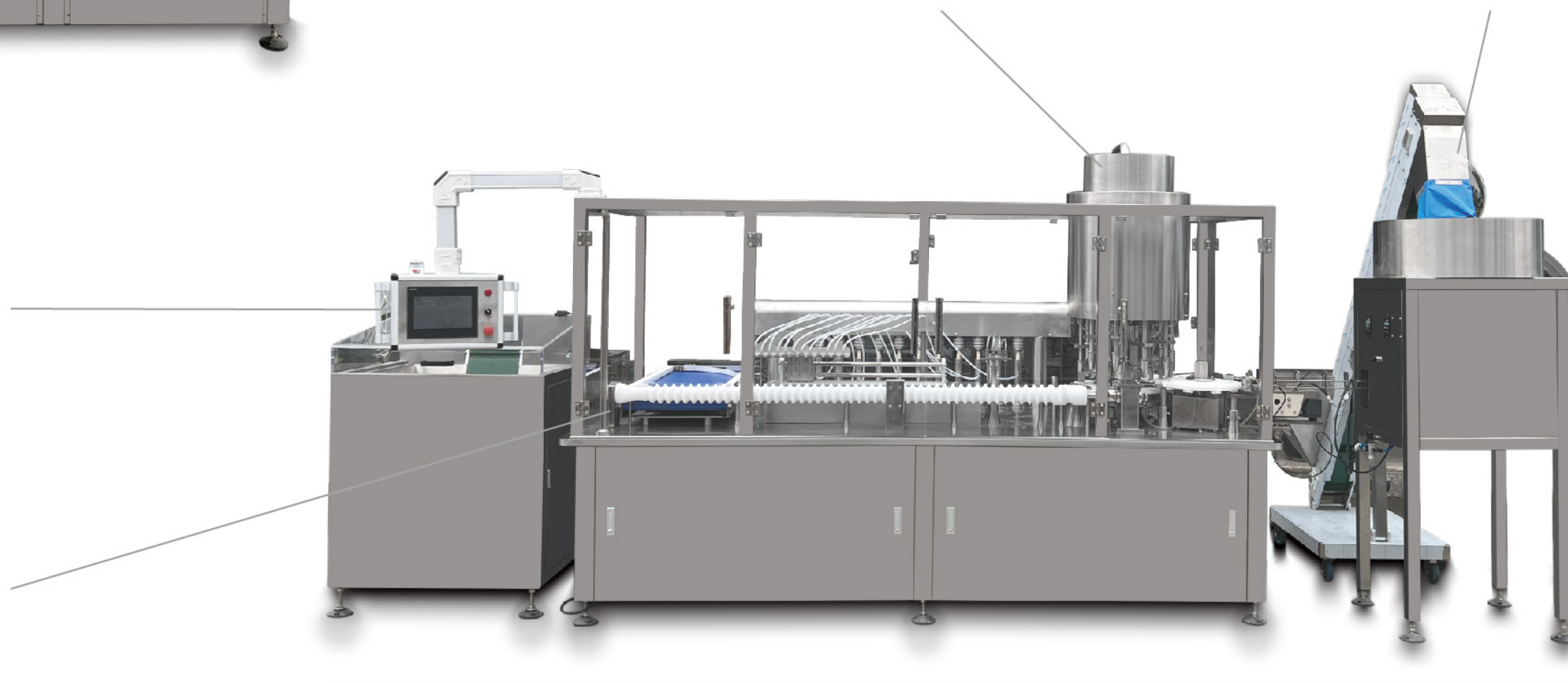
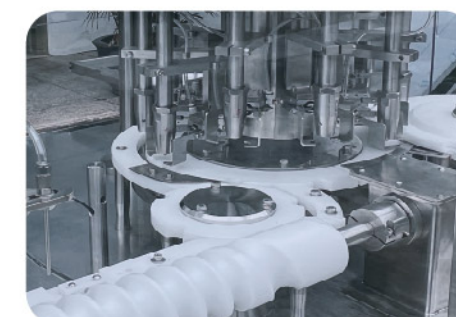
主要技术参数 | Main technical parameters

Applicable specifications	5-250ml (single station)	5-250ml (double station)	5-50ml (Continuous-type)
Output	30-40 BPM	60-100 BPM	120-200 BPM
Filling error	≤±1%	≤±1%	≤±1%
Qualification rate	≥99%	≥99%	≥99%
Power supply/Power	220V/50HZ,6KW	2200V/50HZ,7KW	380V/50HZ,12KW
Compressed air consumption	0.3-0.6Mpa 15m³/h	0.3-0.6Mpa 25m³/h	0.3-0.6Mpa 10m³/h
Dimensions(L*W*H)	7000×1800×1700mm	8000×2000×1700mm	10000×2000×1800mm
Weight	1600KG	1800KG	3500KG



MEDIUM SPEED SPRAY BOTTLE PRODUCTION LINE

Production line adopts PLC program control, integrates advanced intelligent electronic control technology, and has a simple and intuitive human-machine interface, achieving a perfect electromechanical integration design; Equipped with online automatic control function, the equipment has stable and reliable performance, simple operation, low noise, and no pollution; Suitable for mass production. This line can be equipped with explosion-proof equipment according to customer needs.



HIGH SPEED SPRAY BOTTLE PRODUCTION LINE

滴剂灌装 生产线

Drop Filling Production Line

设备简介 | Product Introduction

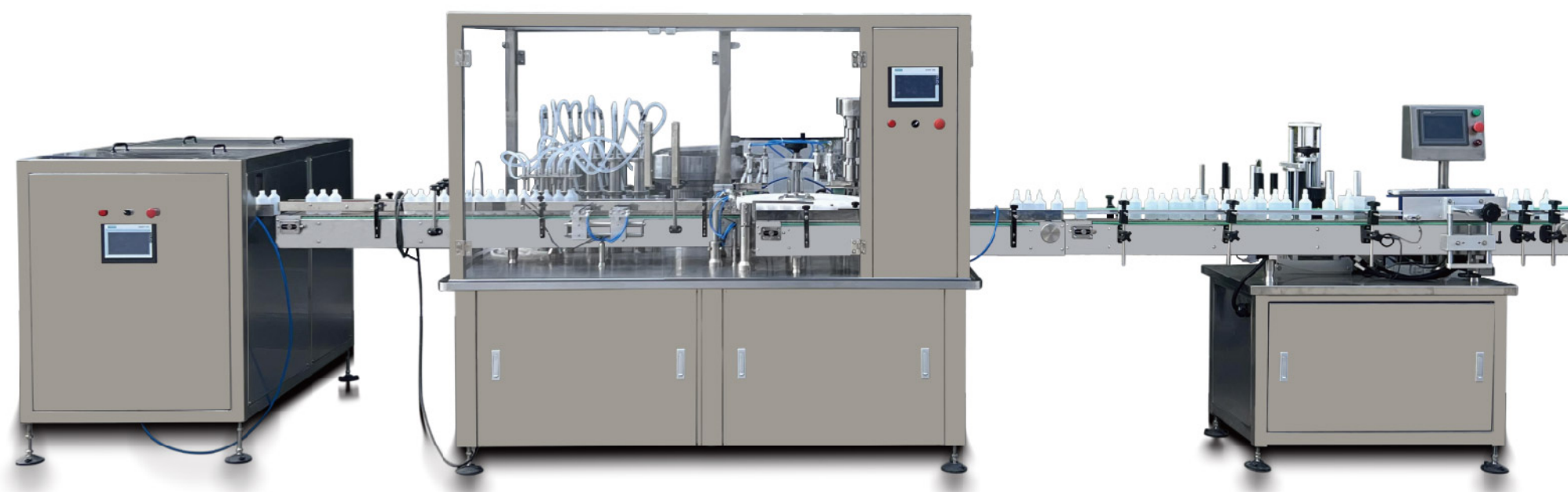
Drops filling production line mainly consists of bottle unscrambler, filling stoppering capping machine, and labeling machine.

Drops filling production line suitable for automatic packaging stoppers, and caps of eye drops, essential oils, liniments etc bottle. For the selection of plastic bottle type use bottle unscrambler, glass bottle use rotary type bottle feeder or conveyor feeding. Bottles are filled by positioning the conveyor belt to stop bottles or by turntable positioning. Single and double station models are selected according to the filling volume and bottle type. Automatic filling can be carried out by disk positioning or linear mode. Filling metering plunger pump Peristaltic pump can be selected. Plugging and

capping can be carried out by mechanical hand positioning and capping, Accurate positioning without jumping plug or cover phenomenon. Special cover types can be equipped with pre rotating cover method, using servo rotating cover method. The torque value can be adjusted on the touch screen. The capping station adopts pneumatic bottle jacking method, effectively ensuring the capping effect and packaging aesthetics. After the capping is completed, it is transported to the labeling machine for automatic labeling. According to user needs, color coding, heat transfer printing, inkjet printing, and other methods can be selected. After labeling, the bottles are collected and packaged.

主要技术参数 | Main technical parameters

Specification	YYDJX- I	YYDJX- II
Applicable specifications	5-100ml (single station)	5-100ml (Continuous-type)
Output	30-40 BPM	100-500 BPM
Filling error	±1%	±1%
Qualification rate	≥99%	≥99%
Power supply/Power	220V/50HZ, 6KW	380V/50HZ, 7KW
Compressed air consumption	0.4-0.6Mpa 15m³/h	0.3-0.6Mpa 25m³/h
Dimensions(L*W*H)	6000×1800×1700mm	7000×2000×1700mm
Weight	1600KG	1800KG





膏霜灌装 生产线

Cream Filling Production Line

Cream Filling Production Line according to the actual needs of users, the conventional configuration production line mainly consists of bottle unscrambler or conveyor feeding, filling and capping machine, aluminum foil sealing machine, and labeling machine. Select and equip air washing machines according to user needs. Automatic bottle unscrambler or manual transportation into the bottle, the bottles are orderly transported to linear positioning filling or circular positioning and divided filling. For cream emulsions, auxiliary methods such as insulation heating, automatic feeding, and material level detection can be provided to increase the automation function of the equipment; After the filling section is completed, enter the capping section for capping. The arrangement of the lids can be done using methods such as oscillators, centrifugal capping, and lifting the upper lid. The capping method can be selected based on the type of lid, such as hanging the lid or using a robotic arm for directional capping; The rotating cover part adopts servo rotating cover; After the capping is completed and transported to the aluminum foil inspection, the finished product without aluminum foil will be removed. The lid containing aluminum foil will be transported to the aluminum foil sealing part for sealing through the conveyor belt. The sealed bottles will be automatically labeled by the labeling machine before entering the bottle collection or transported to the next packaging process through the conveyor belt.

主要技术参数 | Main technical parameters

Specification	YYGXZ- I	YYGXZ- II
Applicable specifications	30-500ml (single station)	30-500ml (Continuous-type)
Output	20-40 BPM	40-80 BPM
Filling error	±2%	±2%
Qualification rate	≥99%	≥99%
Power supply/Power	220V/50HZ, 12KW	220V/50HZ, 15KW
Compressed air consumption	0.4-0.6Mpa 20m³/h	0.4-0.6Mpa 35m³/h
Dimensions(L*W*H)	8500×1800×1950mm	8500×1800×1950mm
Weight	1800KG	2000KG

Production line adopts PLC program control, integrates advanced intelligent electronic control technology, and has a simple and intuitive human-machine interface, achieving a perfect electromechanical integration design; Equipped with online automatic control function, the equipment has stable and reliable performance, simple operation, low noise, and no pollution; Suitable for mass production.



大容量 灌装生产线

Big Volume Filling Production Line

设备简介 | Product Introduction

Big Volume Filling Production Line according to the actual needs of users, this section mainly explains the self flow filling production line and the plunger pump high-dose filling production line.

Automatic bottle unscrambler or manual transportation into the bottle, the self flow filling method is only applicable to liquids and mainly adopts time measurement method, which can control the filling accuracy with automatic feeding; The metering method of plunger pump is not only applicable to liquid, but also widely applicable to cream and emulsion, such as alcohol gel, alcohol and other volumes, which mainly need to be equipped with the whole line explosion-proof. In this line, the capping method

adopts an inline capping method, which has a wide range of compatibility. The production line can be easily adjusted to be compatible with multiple specifications. The capping method can be selected based on the cap type, such as lifting the capping machine or centrifugal capping method. After the capping is completed, the aluminum foil sealing bottle is automatically labeled to complete the packaging. Configure a bottle collection platform according to user needs or transport it to the next packaging process;

主要技术参数 | Main technical parameters

Specification	YGXZ- I
Applicable specifications	30-500ml, 100-1000ml
Output	30-120 BPM
Filling error	±1-2%
Qualification rate	≥99%
Power supply/Power	220V/50HZ, 10-15KW
Compressed air consumption	0.4-0.6Mpa 15m³/h
Dimensions(L*W*H)	12000×1500×1950mm
Weight	2000KG



Production line adopts PLC program control

integrates advanced intelligent electronic control technology, and has a simple and intuitive human-machine interface, achieving a perfect electromechanical integration design; Equipped with online automatic control function, the equipment has stable and reliable performance, simple operation, low noise, and no pollution; Suitable for mass production.



西林瓶 粉针剂生产线

Vial Powder Injection Filling Production Line

设备简介 | Product Introduction

Production line consists of ultrasonic bottle washing machine, hot air circulation tunnel type sterilization oven, and powder packaging and capping machine; Effectively completing bottle cleaning, drying and sterilization, powder filling and stoppering, capping and sealing; Select equipment and wiring according to user needs.

Production line adopts PLC program control, integrates advanced intelligent electronic control technology, and has a simple and intuitive human-machine interface, achieving a perfect electromechanical integration design; The entire line has online automatic control function, which can be used on a single machine except for the connecting line. The production line is stable

and reliable, easy to operate, low noise, and pollution-free; An isolation protection system can be provided, and the entire line design and production comply with GMP specifications.

主要技术参数 | Main technical parameters

Specification	YYFZ- I	YYFZ- II
Applicable specifications	0.2-30g (single station)	0.2-30g (double station)
Output	60-120 BPM	100-200 BPM
Filling error	±1%	±1%
Filling range	0.1-5g	0.1-5g
Power supply/Power	380V/220HZ, 60KW	380V/220HZ, 80KW
Compressed air consumption	0.4-0.6Mpa 20m ³ /h	0.4-0.6Mpa 35m ³ /h
Dimensions(L*W*H)	10000×2000×2400mm	12000×2500×2400mm
Weight	5000KG	6000KG



粉剂 灌装生产线

Powder Filling Production Line



主要技术参数 | Main technical parameters

Specification	YYFJ- I	YYFJ- II
Applicable specifications	Glass / plastic bottle	Glass / plastic bottle
Output	20-30 BPM ;60-80 BPM	10-20 BPM ;20-50 BPM
Filling error	±1-5%	±1-5%
Filling range	0.2-10g	10-100g
Power supply/Power	220V/50HZ, 5-10KW	220V/50HZ, 5-12KW
Compressed air consumption	0.4-0.6Mpa 10m³/h	0.4-0.6Mpa 15m³/h
Dimensions(L*W*H)	5000×1700×1850mm	8500×1800×2200mm
Weight	1600KG	2300KG



设备简介 | Product Introduction

Powder filling can be done on single line according to different materials and bottle cap packaging methods of customers. Our company can customize online weight inspection filling for customers, including penicillin bottle filling, capping, and labeling. For large doses of powder, automatic bottle management, powder packaging, capping, aluminum foil sealing, and labeling are used; Our company has been providing powder bottle packaging for customers for a long time. After confirming the production process with customers, the equipment produced fully meets their needs. The model structure is stable, and the electrical program is reliable. The design and production of the equipment comply with GMP specifications.

全自动理瓶机

Automatic Bottle Unscrambler



Working principle

Automatically organize the disorderly plastic bottles into a uniform upward opening and enter the host in an orderly manner. Replacing manual operations and saving labor to achieve the goal of automated organization.

Machine material

Main body is made of stainless steel, and the equipment consists of a bottle storage hopper, a bottle lifting belt, and bottle unscrambler hopper.

Productive process

Under the mechanical principle, the bottle after the workstation automatically flips down to the bottle mouth upwards, and the bottle mouth upwards is directly output, effectively completing the automatic sorting of bottles; The full bottle optical fiber configured at the outlet of the bottle sorting machine is installed at the next process or at the outlet of the bottle sorting machine. Its main purpose is to prevent excessive accumulation of bottles at the bottle sorting machine's outlet. After the full bottle optical fiber detects full bottles, the bottle sorting machine will automatically stop running. When the accumulation signal disappears, the host will automatically run again, achieving the goal of automated production.

The controlled plastic bottle sorting machine is a type of bottle sorting machine designed based on the unstable standing of plastic bottles and the low pass rate of bottle sorting. It is mainly suitable for sorting 20-30ml controlled plastic bottles, mainly completing manual feeding in the storage bin. The bottle sorting machine automatically sorts and outputs the bottles with the bottle mouth uniformly upward, achieving the purpose of bottle sorting.

Machine adopts an external lifting bottle structure to pour disordered bottles into the bottle storage hopper. The bottles enter the centrifugal disk through the lifting machine, and are transported by centrifugal force to the sorting rotary mold for sorting and

guidance. Bottle sorting mainly guides and arranges the bottles to achieve consistent upward output at the bottle mouth. Electrical two sources are used to ensure that the qualified rate of the finished product meets the usage requirements. By mechanical structure, the bottle mouth is uniformly output upwards; The main structure of this machine is mainly made of 304 stainless steel and polymer materials, ensuring fast bottle sorting speed, high qualification rate, and no scratching of the packaging material. Adopting PLC program control, it has the functions of bottle blockage shutdown, bottle sorting and full bottle lifting shutdown, and automatically starts operation when the signal disappears, ensuring the stability of the production line.

主要技术参数 | Main technical parameters

Applicable bottle	Round, flat etc plastic bottle	Tube plastic bottle
Applicable specifications	Φ20-Φ80mm, H25-200mm (Customizable)	Φ16-Φ30, H80-120mm
Output	60-150 BPM (According to bottle)	150-250/150-250 BPM
Power supply/Power	220V, <1KW	220V, <1.5KW
Compressed air consumption	0.6-0.8Mpa, 10m³/h	0.6-0.8Mpa, 50m³/h
Dimensions(L*W*H)	900×1500×1350mm	2700×1700×1850mm
Weight	300KG	650KG

输送上瓶机 供瓶机

Conveyor Type Bottle Feeder
Rotary Type Bottle Feeder

YYSP上瓶输送机

YYSP Conveyor Type Bottle Feeder

Conveyor Type Bottle Feeder mainly suitable for the bottle packaging industry as an auxiliary device for caching, organizing, and delivering. The overall structure is made of 304 stainless steel, and a debugger is used to control the speed of each conveyor belt, with adjustable speed. The size of this device can be customized according to customer needs.



YYGP 供瓶机

YYGP Rotary Type Bottle Feeder

Rotary Type Bottle Feeder mainly suitable for the bottle packaging industry as an auxiliary device for caching, organizing, and delivering. The rotary table of this machine adopts variable frequency and stepless speed regulation for rotary motion. The bottles are orderly supplied to the conveyor belt under the action of the tangential force of rotation, and are matched with the next production equipment for operation, achieving the goal of improving production efficiency; This machine is easy to operate and is ready to use when powered on, widely used in industries such as pharmaceuticals, food, daily chemical, etc; This machine is not only suitable for heavy glass bottles, but also for plastic bottles with a large bottom contact area that can stand; The size of the turntable can be customized according to usage.



洗瓶机系列

Washing Machine Series



Air washing machine

设备简介 | Product Introduction

Air washing machine mainly suitable for plastic bottles and glass bottles that do not require washing with water. Using ion air washing to remove impurities from the bottle to achieve cleaning purposes. The air washing machine model can be customized according to the packaging material, and the main model structures are: turntable positioning structure, linear structure, and continuous structure. This machine has a wide range of applications and is suitable for cleaning industries such as pharmaceuticals, food, and daily chemicals. Effectively clean impurities attached to the bottle wall due to static electricity or other factors, ensuring effective.

主要技术参数 | Main technical parameters

Applicable range	10-100ml
Output	40-60 BPM ,80-200 BPM
Compressed air consumption	0.4-0.8Mpa 40-60m³/h
Power supply/Power	220V/1KW, 380V/4KW
Qualification rate	≥99%
Dimensions(L*W*H)	3000×1000×1800mm
Weight	400KG

洗瓶机系列

Washing Machine Series

Vertical Ultrasonic Bottle Washing Machine



Drum Type Bottle Washing Machine (Ultrasonic)

设备简介 | Product Introduction

Machine is suitable for removing and filling 2-100ml cylindrical glass bottles with mesh belt, injecting water, and ultrasonic rough washing; After the robotic arm flips and completes the three water and three gas reciprocating tracking cleaning, it is pulled out by the dial to complete the cleaning. This machine is thoroughly cleaned to ensure good clarity. Reasonable model design and stable operation; Replace the specification parts according to different diameter bottles to achieve universal use; It can be used online except for standalone use.

主要技术参数 | Main technical parameters

Applicable range	2-100ml Vial glass bottle
Output	100-350 BPM
Compressed air consumption	0.25-0.4Mpa 25-60m ³ /h
Power supply/Power	380V/50HZ, 6KW
Qualification rate	≥99.9%
Dimensions(L*W*H)	2250×2200×1600mm
Weight	2200KG

设备简介 | Product Introduction

Drum type bottle washing machine is mainly suitable for cleaning the inside and outside of 50-500ml round or shoulder shaped bottles made of various materials. Configure ultrasonic cleaning methods according to requirements; Achieve cleaning objectives. The bottle manager supplies bottles to the drum type bottle washing machine, which uses a pair of small dials to mesh and orderly move a group of bottles into the bottle washing drum. The bottle washing machine is composed of 4-6 drum structures, and three or four bottles are moved in a single time, that is, 3/4 of the cleaned bottles are output; The bottles are sequentially cleaned by ultrasonic waves through a rotating drum, washed internally and externally with primary and secondary water, and initially dried with clean compressed air before being output to complete the cleaning work.

主要技术参数 | Main technical parameters

Applicable range	50-500ml Regular bottle
Output	50-500 BPM
Compressed air consumption	0.25-0.4Mpa 15-35m ³ /h
Power supply/Power	380V/50HZ, <3KW
Qualification rate	≥99.9%
Dimensions(L*W*H)	1500×1050×1350mm
Weight	600KG

洗瓶机系列

Washing Machine Series



Ultrasonic Bottle Washing Machine

设备简介 | Product Introduction

Multi-channel ultrasonic bottle washing machine is suitable for penicillin bottles. The bottles are supplied to the bottle feeding wheel through the bottle supply turntable, and the bottles are sequentially moved into the track through the wheel. The water is poured into the track and then immersed in the ultrasonic water tank for ultrasonic cleaning. After being rinsed with primary and secondary water, and preliminarily dried with clean compressed air, the bottle body is flipped into a consistent bottle mouth and output upwards, completing the cleaning process. This machine has high cleaning quality and is widely used for cleaning penicillin bottles, oral liquid bottles, and other bottles. It runs smoothly, has a low bottle breakage rate, and can be adjusted in speed. It is suitable for mass production. Changing the track and bottle feeding wheel can be used in multiple specifications. Changing the specifications is simple and convenient, and the number of channels selected according to production capacity requirements can correspondingly increase production capacity.

主要技术参数 | Main technical parameters

Applicable range	2-50ml
Output	Single channel 40-60 BPM
Compressed air consumption	0.25-0.4Mpa 15-45m ³ /h
Power supply/Power	220V/50HZ, 3KW
Qualification rate	>99%
Dimensions(L*W*H)	2350x1450x1750mm
Weight	500KG



Flip Over Bottle Washing Machine

设备简介 | Product Introduction

Flip over bottle washing machine adopt straight line method, the bottle is transported by a conveyor belt to the rinsing bottle outer wall station for outer wall cleaning. After cleaning, it enters the bottle picking station. When the fiber optic detects the bottle, it automatically flips the bottle clamp downwards, and the high-pressure water gun flushes the inside of the bottle. After passing through the solenoid valve, clean compressed air is preliminarily blown dry. After drying, the bottle is repeatedly flipped and placed on the conveyor belt. The bottle clamping device is opened, The cleaned bottles are transported by the conveyor belt to the next production process; This machine is suitable for various bottle shapes such as round necked bottles, flat bottles, square bottles, etc. It can run on conveyor belts and is suitable for small batch production of multiple bottle types. The flushing time can be set as needed. The number of cleaning heads can be customized based on production capacity and bottle specifications.

主要技术参数 | Main technical parameters

Applicable range	30-500ml Vial glass bottle
Output	10-50 BPM (2-10 head optional)
Compressed air consumption	0.25-0.4Mpa 15-30m ³ /h
Power supply/Power	220V/50HZ, 2KW
Qualification rate	>99%
Dimensions(L*W*H)	2400x1500x1750mm
Weight	500KG

洗瓶机系列

Washing Machine Series

设备简介 | Product Introduction

Rotary bottle washing machine is suitable for automatically cleaning the inner and outer surfaces of various cylindrical or standard specification bottles. It adopts a disc structure. The bottles are transported by a conveyor belt to the bottle inlet screw, and the bottles are orderly transported to the bottle inlet dial through the bottle inlet screw. The mechanical arm completes the clamping of the bottles, the guide rail completes the flipping, and the bottle mouth is uniformly downward. The cleaning head is aligned with the bottle mouth, and the bottles complete flushing and gas flushing during operation, and the outer wall of the bottles is externally washed. The cleaned bottles are pulled into the conveyor belt by the bottle discharge pulley, and then transferred to the next packaging process through the conveyor belt.

主要技术参数 | Main technical parameters

Applicable range	30-500ml
Output	40-200 BPM
Compressed air consumption	0.25-0.4Mpa 45-60m ³ /h
Power supply/Power	220V/50HZ, 5KW
Qualification rate	>99%
Dimensions(L*W*H)	3500×1800×1850mm
Weight	800KG



设备简介 | Product Introduction

Clamp type bottle washing machine mainly consists of five parts: the bottle feeding conveyor line, the bottle clamping conveyor, the bottle discharging conveyor line, flushing, and gas flushing. When the bottle continuously enters the bottle feeding conveyor line, it enters the bottle outer wall for flushing and then enters the bottle clamping conveyor. The bottle is flipped by the bottle clamping conveyor to have the bottle mouth uniformly downward for continuous flushing and cleaning. After cleaning is completed, clean compressed air is sequentially injected for preliminary drying, and then the bottle clamping conveyor is sequentially output to enter the bottle discharging conveyor belt to complete bottle washing.

主要技术参数 | Main technical parameters

Applicable range	50-1000ml Regular bottle
Output	40-200 BPM
Compressed air consumption	0.25-0.4Mpa 35-70m ³ /h
Power supply/Power	220V/50HZ, 5KW
Qualification rate	≥99.9%
Dimensions(L*W*H)	6000×1200×1750mm
Weight	1000KG



液体灌装机

Liquid Filling Machine

设备简介 | Product Introduction

- Liquid filling machine series products are packaged according to the materials of bottles, stoppers, and caps; Select materials, production capacity, and customer process requirements. The models provided by our company are linear or disc positioning (single station and dual station models) and continuous high-speed models.
- Stopper and cap feeder parts are automatically organized using oscillating or centrifugal methods, and then transported to the stoppage and capping parts through the falling track or horizontally for backup; The method of adding plugs and capping is configured according to the cover type, including mechanical capping, pneumatic capping, and mechanical hand capping.
- According to the situation of the packaging material, the single and double station structure adopts a linear conveyor belt positioning filling or a disc positioning and dividing method to complete the filling. After the filling is completed, the high-precision cam structure runs the rotary table for intermittent operation, and the bottles are sequentially plugged, capped, rotated or rolled. After the capping is completed, it is output by the conveyor belt and enters the next packaging process; The continuous model adopts a conveyor belt for bottle feeding, and the linear conveyor structure completes linear tracking filling, continuous capping, rotating capping, or rolling capping.
- In the filling machine, the metering pump body Peristaltic pump, stainless steel plunger pump and ceramic plunger pump are selected as required and driven by a servo motor to ensure accurate filling and no leakage.
- Capping part adopts a servo screw cap method, and the torque value can be adjusted on the touch screen. The screw cap finished product has a high qualification rate and effectively ensures the aesthetics of the packaging. The capping section mainly consists of a three blade flat end cover and a four blade capping (two blade thread, two blade sealing). The capping section is smooth and smooth, fully meeting the capping requirements.
- Filling machine series products adopt PLC program control, integrate advanced intelligent electronic control technology, and have a simple and intuitive human-machine interface, achieving a perfect electromechanical integration design; The host has a series of automatic control functions such as no bottle filling, no bottle stoppage, no stoppage, no stoppage alarm or shutdown, and full bottle shutdown; The equipment operates stably and reliably, meeting the requirements of GMP regulations. It can form a linked production line with the front and rear equipment. According to customer requirements, protective covers or laminar flow covers can be selected.

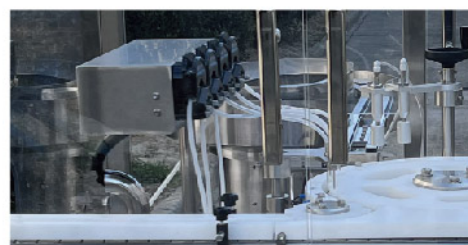
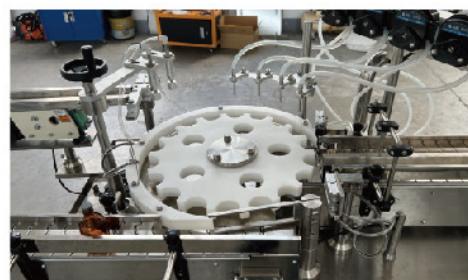
主要技术参数 | Main technical parameters

Machine specifications	Single station	Double station	Continuous-type
Metering pump	Peristaltic pump, stainless steel piston pump and ceramic piston pump Optional		
Applicable specifications	0.2ml-500ml	0.2ml-500ml	0.2ml-500ml
Output	50ml:40-60 BPM	50ml:40-60 BPM	50ml:40-60 BPM
Power supply/Power	220V, <3KW	220V, <5KW	380V, <12KW
Compressed air consumption	0.4-0.6Mpa 10m ³ /h	0.4-0.6Mpa 20m ³ /h	0.4-0.6Mpa 20m ³ /h
Dimensions(L*W*H)	2400×1600×1750mm	3000×1800×1750mm	4000×1800×1750mm
Weight	800KG	1200KG	3000KG

口服液灌装机 Oral Liquid Filling Machine



灌装加塞机 Filling Stoppering Machine



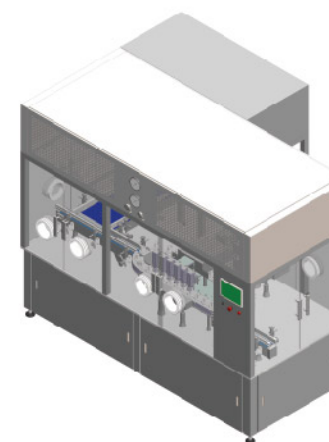
冻存管、冻存瓶无菌灌装机 Cryo - tube Bottle Sterile Filling Machine



设备简介 | Product Introduction

Sterile filling machine is mainly suitable for stem cells, serum, culture media, etc. to complete self purification and cap opening filling and capping in A-level environments. Suitable for cryopreservation tubes, cryopreservation bottles, circular or square culture medium bottles. There are slight differences in bottle types for different models, which can be customized according to actual needs; The filling part of the machine adopts servo driven plunger pump or Peristaltic pump, and the capping mode adopts servo capping mode, which is controlled by power supply, so as to effectively manage the bottles, transport the positioning caps, open the caps, fill and screw the caps.

主要技术参数 | Main technical parameters



Metering pump	Peristaltic pump, stainless steel piston pump and ceramic piston pump Optional
Applicable specifications	0.2ml-1ml,5-125ml, 100-2000ml
Output	6-30 BPM
Power supply/Power	380V,<8KW
Dimensions(L*W*H)	2900×2000×2350mm (Include laminar hood)
Weight	约2000KG

灌装旋(轧)盖机 Filling Capping (Sealing) Machine



灌装加塞加盖旋(轧)盖机 Filling Stoppering Capping (Sealing) Machine



膏霜灌装机系列

Cream Filling Machine Series

设备简介 | Product Introduction

- Cream filling machine series products are packaged according to bottle, stopper, and cap materials; Select materials, production capacity, and customer process requirements. The models provided by our company are linear or disc positioning (single station and dual station models); Customizable according to packaging materials.
- The metering pump body in the filling machine adopts a stainless steel piston pump or a ceramic piston pump, which is driven by a servo motor. The upper material barrel is equipped with automatic devices such as heating, insulation, and automatic feeding according to the user's material configuration. The filling part adopts a pneumatic rotary valve structure, combined with a pneumatic filling needle, to ensure accurate filling volume, no dripping or wire drawing.
- According to the situation of the packaging material, the single and double station structure adopts a linear conveyor belt positioning filling or a disc positioning and dividing method to complete the filling. After the filling is completed, the high-precision cam structure runs the rotary table for intermittent operation, and the bottles are sequentially plugged, capped, rotated or rolled. After completion, the conveyor belt outputs and enters the next packaging process.
- Capping part adopts a servo screw cap method, and the torque value can be adjusted on the touch

screen. The screw cap finished product has a high qualification rate and effectively ensures the aesthetics of the packaging. The capping section is mainly composed of three knife flat end caps and four knife capping (two knife threads, two knife sealing). The capping section is smooth and smooth, fully meeting the capping requirements.

- Stopper and cap feeder parts are automatically organized using oscillating or centrifugal methods, and then transported to the stoppage and capping parts through the falling track or horizontally for backup; The method of adding plugs and capping is configured according to the cover type, including mechanical capping, pneumatic capping, and mechanical hand capping.
- Filling machine series products adopt PLC program control, integrate advanced intelligent electronic control technology, and have a simple and intuitive human-machine interface, achieving a perfect electromechanical integration design; The host has a series of automatic control functions such as no bottle filling, no bottle stoppage, no stoppage, no stoppage alarm or shutdown, and full bottle shutdown; The equipment operates stably and reliably, meeting the requirements of GMP regulations. It can form a linked production line with the front and rear equipment. According to customer requirements, protective covers or laminar flow covers can be selected.

主要技术参数 | Main technical parameters

Machine specifications	Single station	Double station
Metering pump	Stainless steel piston pump and ceramic piston pump Optional(Confirm when ordering)	
Applicable specifications	10-500g	10-500g
Output	50g:20-40 BPM	50g:40-80 BPM
Power supply/Power	220V,<3KW	220V,<5KW
Compressed air consumption	0.4-0.6Mpa 25m ³ /h	0.4-0.6Mpa 45m ³ /h
Dimensions(L*W*H)	2400×1600×1750mm	3000×1800×1750mm
Weight	800KG	1200KG



膏霜灌装机系列


Cream Filling Machine Series



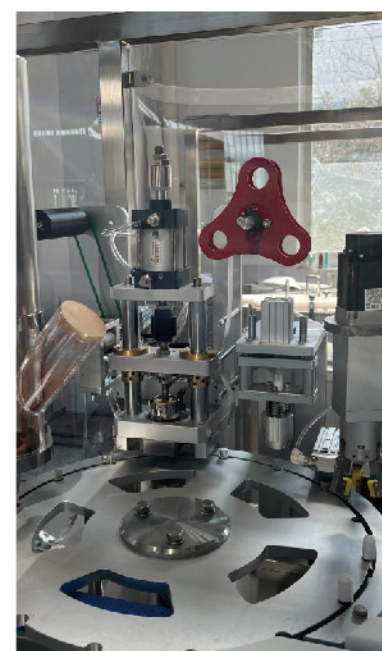
粉末颗粒灌装机系列

Powder / Granule Filling Machine Series





The series of products adopts PLC program control, integrates advanced intelligent electronic control technology, and has a simple and intuitive human-machine interface, achieving a perfect electromechanical integration design; The host has a series of automatic control functions such as no bottle filling, no bottle stoppage, no stoppage alarm or shutdown, and full bottle shutdown; The equipment operates stably and reliably, meeting the requirements of GMP regulations. It can form a linked production line with the front and rear equipment. According to customer requirements, protective covers or laminar flow covers can be selected.

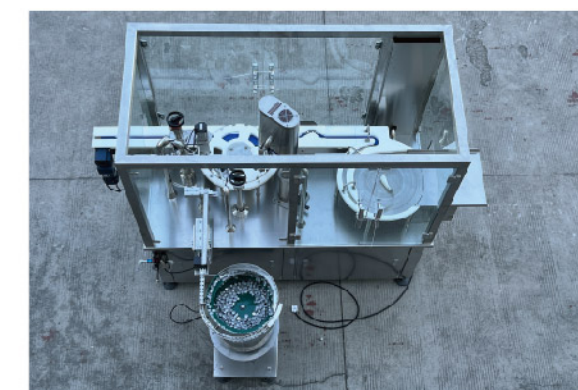


Powder packaging is mainly used in pharmaceutical, food, chemical and other industries for powder bottle packaging. The fully sealed, stainless steel, and organic glass material boxes are used to combine the loading bin, and the servo controlled loading screw is used for filling. The linear conveyor belt is positioned for loading or the disk is positioned for loading. The linear loading adopts a pneumatic bottle blocking or small dial structure. The packaging head is aligned with the bottle mouth for positioning and packaging, and the packaging structure is configured according to the material.

The structure of the bottle mouth that needs to be sealed with aluminum foil adopts the method of roll film punching or sheet film sealing.

Stopper and cap feeder parts are automatically organized using oscillating or centrifugal methods, and then transported to the stoppage and capping parts through the falling track or horizontally for backup; The method of adding plugs and capping is configured according to the cover type, including mechanical capping, pneumatic capping, and mechanical hand capping.

Capping part adopts a servo screw cap method, and the torque value can be adjusted on the touch screen. The screw cap finished product has a high qualification rate and effectively ensures the aesthetics of the packaging. The capping section is mainly composed of three knife flat end caps and four knife capping (two knife threads, two knife sealing). The capping section is smooth and smooth, fully meeting the capping requirements.



主要技术参数 | Main technical parameters

Filling range	0.2g-100g, 100-500g	
Output(Depend on bottle mouth and powder mobility)	Single head: 0-40 BPM	Double head:50-80 BPM
Power supply/Power	220V / <3KW	220V / <5KW
Compressed air supply	0.4-0.6Mpa	0.4-0.6Mpa
Compressed air consumption	<15m³/h	<30m³/h
Filling error	±3-5%	±3-5%
Qualification rate	≥99%	≥99%
Dimensions(L*W*H)	2400×1700×1750mm	300×1800×1750mm
Weight	800KG	1200KG

旋、轧、压盖机系列

Capping ,Sealing Press Machine Series

Select the spinning, rolling, and capping machines based on different packaging materials. Our company mainly provides single head and double head intermittent structures and 10 head continuous models.



The single and double station models mainly use conveying into bottles, using high-precision cam indexing devices for equal positioning, and intermittent operation of single or double stations within the disc, using single or double heads for rotation, rolling, and capping; The bottle management method adopts oscillation, centrifugal, elevator and other methods, and the cap removal method adopts hanging cap, pneumatic capping, and mechanical arm positioning capping. The capping is completed by mechanical arm positioning in one go, and the capping is rotated by servo capping head, combined

with the top bottle structure to prevent the bottle from rotating. When the torque value reaches, it automatically stops running, effectively ensuring packaging. The capping part is flattened by three knives according to the cap type, Four knife capping (two knife thread, two knife sealing), the capping part is smooth and smooth, fully meeting the capping requirements. The continuous model adopts a continuous operation method for capping or rolling, where the continuous capping method uses grippers for grasping and one-time capping.

主要技术参数 | TECHNICAL PARAMETER

Machine specifications	Single station type	Double station type	Continuous-type
Applicable specifications	10ml-500ml	10ml-500ml	10ml-500ml
Output	40-60 BPM	80-100 BPM	150-220 BPM
Power supply/Power	220V, <2KW	220V, <3KW	380V, <7KW
Compressed air consumption	0.4-0.6Mpa 10m³/h	0.4-0.6Mpa 20m³/h	0.4-0.6Mpa 20m³/h
Dimensions(L*W*H)	2400×1600×1750mm	3000×1800×1750mm	4000×1800×1750mm
Weight	600KG	800KG	2000KG

不干胶贴标机系列

Labeling Machine Series



1、 Vertical labeling machine

This machine is mainly suitable for labeling circular bottles and circular objects that are transported while standing on conveyor belts. When the fiber optic detects the bottle, it automatically labels and rolls the label flat onto the bottle body through the rolling label synchronous belt to complete the labeling. This model is particularly suitable for semi standard and full standard. Widely used in industries such as medicine, food, and daily chemicals.



2、 Round bottle fixed point labeling machine

This machine is mainly suitable for high precision labeling of cylindrical or Erlenmeyer flask. The bottle is positioned using a reciprocating cylinder structure, with high labeling accuracy and small error. It is suitable for full labeling, single labeling, and double labeling.



3、 Double side labeling machine

This machine is mainly suitable for bottle shapes of different sizes, such as square, flat, conical, cylindrical, etc. It can complete multi sided vertical sidelabeling of products on one side, two sides, three sides, four sides, etc. The host equipment has been upgraded several times since the introduction of foreign technology, and has developed into high standard automation equipment with diverse requirements for bottle type and labeling. The host is stable and reliable, with high labeling accuracy. It can be used alone or linked to the production line for operation.



4、 Horizontal labeling machine

This machine is mainly suitable for labeling circular bottles and objects that cannot stand on conveyor belts. When the fiber optic detects the bottle that has been positioned and transmitted, the label is automatically labeled, and the label paper is smoothly rolled onto the bottle body to complete labeling.



5、 High speed horizontal labeling machine

This machine is mainly suitable for labeling circular bottles and objects that cannot stand on conveyor belts. Adopting screw synchronous bottle feeding, the high-speed labeling speed is higher and the operation is stable, suitable for high-speed production. When the optical fiber detects the bottles that have been positioned and transmitted, the labeling will automatically come out, and the label paper will be smoothly rolled onto the bottle body to complete labeling.

其它配套设备

Other Supporting Equipment



伊亚智造，打造灌装智能生产线

YIA INTELLIGENT MANUFACTURING, TO CREATE AN INTELLIGENT FILLING PRODUCTION LINE