







FOCUSING ON PREFILLED
SYRINGE FILLING EQUIPMENT

CHINNOFI PHARMACEUTICAL MACHINERY CO., LTD

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Company Profile

Chinnofi Pharmaceutical Machinery Co., Ltd is a private technology-based enterprise integrating R&D, production, sales and service. The company has an experienced R&D team, a standardized plant base, and a stable production team. It fully implements the ISO9001 quality management system and GMP regulations, and has long been committed to the field of automated pharmaceutical packaging.

Since its establishment, with the continuous exploration, research and application of advanced technology, the company has successfully developed a number of series, more than ten varieties of prefilled syringe filling equipment and supporting equipment. All products meet the requirements of GMP certification and have passed the EU CE quality certification. The main products are prefilled syringe filling and plugging machine, syringe assembly machine, rotary rod labeling machine, nesting machine, light inspection machine, and various syringe filling production lines, etc., which are widely used in medicine, beauty, chemical and other fields. The products involved can provide a complete set of solutions from program design, production development, installation and commissioning, technical training to after-sales service according to the actual needs of customers. The company's products are spread all over the country, and are exported to more than 50 countries and regions in Europe, America, the Middle East, Southeast Asia, Africa, etc., and are favored and praised by users at home and abroad.

Chinnofi Intelligent has always adhered to the tenet of "customer first, technology first, unity and cooperation, seeking truth and being pragmatic", and the concept of meeting the new needs of the market and customers, continuously improving, improving and developing, and dedication to provide customers with satisfactory products and perfect service. We sincerely welcome people from all walks of life to visit the factory, guide work, negotiate business, and work together to create brilliant!



Company Qualifications









CHINNOFI

GZB100

Prefilled Syringe Vacuum Filling and Plugging Machine

Product Description

This product is an automatic packaging equipment for aseptic and high-efficiency filling syringes specially designed by our company for prefilled syringes. The equipment runs smoothly, is easy to operate, is equipped with an intelligent detection device, has a high degree of automation, and is easy to maintain. It is an ideal equipment for filling and plugging prefilled syringes.











Features

- Applicable to prefilled syringes of various brands, other types of syringes can also be customized.
- The surface is made of SUS304 stainless steel, and the parts in contact with materials are made of SUS316L stainless steel and medical grade silicone rubber, which meets the requirements of GMP regulations.
- Ceramic plunger pump realizes quantitative filling, acid and alkali corrosion resistance, wear resistance and high temperature resistance, and high filling accuracy.
- The sorting and conveying of the rubber stoppers is realized by the vibrating plate, which adopts SUS316L stainless steel clean plate, without cleaning dead angle, and the top plate is detachable and supports sterilization.
- Adopt international famous brand electrical components, implement non-interference modular control, all synchronous actions are controlled by servo motors, accurate and reliable, and easy to operate.
- The operation of the motor is controlled by the PLC programming controller, the human-computer interaction interface monitors and di splays the working status of each station in real time, and the real-time automatic alarm displays the fault location and fault prompt.
- A variety of filling doses and filling methods are available, supporting the storage of various formula parameters.
- The injection needle is used to fill with the liquid level rising to prevent the liquid medicine from splashing.
- Vacuum filling system, suitable for high-viscosity materials, ensures that the liquid medicine fills the filling space without bubbles or faults, and improves the qualified rate of finished products.
- Vacuum plugging system ensures that the rubber stopper is in close contact with the liquid surface when filling high-viscosity materials.
- It can be used for prefilled syringes of various specifications by changing the specifications. It is modularized and easy to expand. It can be used as a stand-alone machine or connected to a denesting machine, rotary rod machine, labeling machine, light inspection machine and other equipment to form a production line.
- Optional rubber stopper self-cleaning station can be added without stopping the machine.
- Class A laminar flow hood is optional to achieve high-demand clean production.

Main Technical Parameters

Applicable Materials	Liquid and ointment
Applicable Specifications	1ml long/1-3ml/5ml/10ml (Need to replace specifications)
Filling Range	0.1-10ml (Need to replace plunger pump)
Number of Injection Nozzles	1
Filling Accuracy	≤±1.5%
Production Capacity	600-800 pcs/h
Power	2.5kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L808×W758×H1760mm
Weight	380kg

CHINNOFI

GZB200

Prefilled Syringe Vacuum Filling and Plugging Machine

Product Description

This product is an automatic packaging equipment for aseptic and high-efficiency filling syringes specially designed by our company for prefilled syringes. The equipment runs smoothly, is easy to operate, is equipped with an intelligent detection device, has a high degree of automation, and is easy to maintain. It is an ideal equipment for filling and plugging prefilled syringes.











Features

- Applicable to prefilled syringes of various brands, other types of syringes can also be customized.
- The surface is made of SUS304 stainless steel, and the parts in contact with materials are made of SUS316L stainless steel and medical grade silicone rubber, which meets the requirements of GMP regulations.
- Ceramic plunger pump realizes quantitative filling, acid and alkali corrosion resistance, wear resistance and high temperature resistance, and high filling accuracy.
- The sorting and conveying of the rubber stoppers is realized by the vibrating plate, which adopts SUS316L stainless steel clean plate, without cleaning dead angle, and the top plate is detachable and supports sterilization.
- Adopt international famous brand electrical components, implement non-interference modular control, all synchronous actions are controlled by servo motors, accurate and reliable, and easy to operate.
- The operation of the motor is controlled by the PLC programming controller, the human-computer interaction interface monitors and displays the working status of each station in real time, and the real-time automatic alarm displays the fault location and fault prompt.
- A variety of filling doses and filling methods are available, supporting the storage of various formula parameters.
- The injection needle is used to fill with the liquid level rising to prevent the liquid medicine from splashing.
- Vacuum filling system, suitable for high-viscosity materials, ensures that the liquid medicine fills the filling space without bubbles or faults, and improves the qualified rate of finished products.
- Vacuum plugging system ensures that the rubber stopper is in close contact with the liquid surface when filling high-viscosity materials.
- It can be used for prefilled syringes of various specifications by changing the specifications. It is modularized and easy to expand. It can be used as a stand-alone machine or connected to a denesting machine, rotary rod machine, labeling machine, light inspection machine and other equipment to form a production line.
- Optional rubber stopper self-cleaning station can be added without stopping the machine.
- Class A laminar flow hood is optional to achieve high-demand clean productio

Main Technical Parameters

Applicable Materials	Liquid and ointment
Applicable Specifications	1ml long/1-3ml/5ml/10ml (Need to replace specifications)
Filling Range	0.1-10ml (Need to replace plunger pump)
Number of Injection Nozzles	2
Filling Accuracy	≤±1.5%
Production Capacity	1200-1500 pcs/h
Power	4kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L1088×W858×H1800mm
Weight	500kg

CHINNOFI

TSB

Prefilled Syringe Automatic Denesting Machine

Product Description

The denesting machine is an automatic device that takes out the prefilled syringes stored in the nest box and distributes the prefilled syringes to the filling station in an orderly manner through intelligent control. It can be used with the filling and plugging machine or the plunger rod assembling and labeling machine, which solves the problems of slow manual material distribution and easy breaking, and improves the production efficiency.



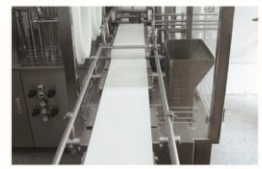


Features

- Applicable to various brands of RTU nest plate prefilled syringe packaging materials.
- Standard RABS glove box and imported CSM material gloves.
- The surface is made of SUS304 stainless steel, and the parts in contact with materials are made of SUS316L stainless steel and medical silicone rubber, which meets the requirements of GMP regulations.
- Class A laminar flow hood can be selected to realize manual removal of outer package and inner lining under laminar flow protection.
- It adopts electrical components of international famous brands, implements non-interference modular control, and all synchronous actions are controlled by servo motors, which are accurate, reliable and easy to operate.
- The operation of the motor is controlled by the PLC programming controller, the human-computer interaction interface monitors and displays the working status of each station in real time, and the real-time automatic alarm displays the fault location and fault prompt.
- Modular design, easy to expand, can be used as a stand-alone machine or connected with filling machines, rotary rod machines, labeling machines and other equipment to form a production line.

Main Technical Parameters

Applicable Specifications	1ml long/1-3ml/5ml/10ml (Need to replace specifications)
Production Capacity	2 boxes/m
Power	0.8kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L2230×W900×H1800mm (Size can be customized)
Weight	400kg











GZB1000

Prefilled Syringe High Speed Filling Production Line

Product Description

GZB1000 Prefilled Syringe High Speed Filling Production Line is based on boxed prefilled syringes, and completes a series of actions such as unpacking, tearing off the film, removing the lining paper, filling and plugging, etc., to realize the filling and sealing of the liquid medicine . The high-speed filling production line for prefilled syringes adopts box-type disposable syringes, which do not need to be cleaned and sterilized. Therefore, there is no need to configure washing machines, dryers and other equipment, which can reduce equipment costs and reduce pollution risks. The stopper is added immediately after filling, the exposure time of the liquid medicine is short, and the risk of contamination is small.



Features

- Applicable to various brands of RTU nest plate prefilled syringe packaging materials.
- The surface is made of SUS304 stainless steel, and the parts in contact with materials are made of SUS316L stainless steel and medical grade silicone rubber, which meets the requirements of GMP regulations.
- Ceramic plunger pump realizes quantitative filling, acid and alkali corrosion resistance, wear resistance and high temperature resistance, and high filling accuracy.
- The sorting and conveying of the rubber stoppers is realized by the vibrating plate, which adopts SUS316L stainless steel clean plate, without cleaning dead angle, and the top plate is detachable and supports sterilization.
- It adopts electrical components of international famous brands, implements non-interference modular control, and all synchronous actions are controlled by servo motors, which are accurate, reliable and easy to operate.
- The operation of the motor is controlled by the PLC programming controller, the human-computer interaction interface monitors and displays the working status of each station in real time, and the real-time automatic alarm displays the fault location and fault prompt.
- A variety of filling doses and filling methods are available, supporting the storage of various formula parameters.
- The injection needle is used to fill with the liquid level rising to prevent the liquid medicine from splashing.
- High degree of automation, less staffing, as few as 2 people.
- Class A laminar flow hood is optional to achieve high-demand clean production.

Main Technical Parameters

Applicable Materials	Liquid
Applicable Specifications	1ml long/1-3ml/5ml/10ml
Filling Range	0.1-10ml (Need to replace plunger pump)
Number of Injection Nozzles	10
Filling Accuracy	≤±1.5%
Production Capacity	9000-10000 pcs/h
Power	15kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L4469×W1438×H1878mm
Weight	2000kg

CHINNOFI

DZA100

Prefilled Syringe Filling and Capping Machine

Product Description

This product is an automatic packaging equipment for aseptic and high-efficiency filling syringes specially designed by our company for prefilled syringes. The equipment runs smoothly, is easy to operate, and is equipped with an intelligent detection device. It has a high degree of automation and is easy to maintain. It is an ideal equipment for filling and capping prefilled syringes.











Features

- Applicable to all types of prefilled syringes, special types of syringes can also be customized.
- The surface is made of SUS304 stainless steel, and the parts in contact with materials are made of SUS316L stainless steel and medical grade silicone rubber, which meets the requirements of GMP regulations.
- Ceramic plunger pump realizes quantitative filling, acid and alkali corrosion resistance, wear resistance and high temperature resistance, and high filling accuracy.
- The sorting and conveying of the caps is realized by the vibrating plate, which adopts SUS316L stainless steel clean plate, no cleaning dead angle, the top plate is detachable and supports sterilization.
- Adopt international famous brand electrical components, implement non-interference modular control, all synchronous actions are controlled by servo motors, accurate and reliable, and easy to operate.
- The operation of the motor is controlled by the PLC programming controller, the human-computer interaction interface monitors and displays the working status of each station in real time, and the real-time automatic alarm displays the fault location and fault prompt.
- A variety of filling doses and filling methods are available, supporting the storage of various formula parameters.
- Automatic operation, automatic feeding, automatic filling, automatic cap sorting, automatic cap screwing.
- It can be used for various specifications of syringes by changing the specification parts, modular design, easy to expand, can be used as a stand-alone machine or connected with elevators, labeling machines, light inspection machines and other equipment to form a production line.
- Optional automatic feeding system, using liquid level sensing, automatic feeding when there is no material.
- Class A laminar flow hood is optional to achieve high-demand clean production.

Main Technical Parameters

Applicable Materials	Liquid and ointment
Applicable Specifications	Various types of prefilled syringes
Filling Range	0.1-30ml (Need to replace plunger pump)
Number of Injection Nozzles	1
Filling Accuracy	≤±1.5%
Production Capacity	2100-2400 pcs/h
Power	2.2kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L1550×W1050×H1900mm
Weight	500kg

CHINNOFI

DZA200

Prefilled Syringe Filling and Capping Machine

Product Description

This product is an automatic packaging equipment for aseptic and high-efficiency filling syringes specially designed by our company for prefilled syringes. The equipment runs smoothly, is easy to operate, and is equipped with an intelligent detection device. It has a high degree of automation and is easy to maintain. It is an ideal equipment for filling and capping prefilled syringes.











Features

- Applicable to all types of prefilled syringes, special types of syringes can also be customized.
- The surface is made of SUS304 stainless steel, and the parts in contact with materials are made of SUS316L stainless steel and medical grade silicone rubber, which meets the requirements of GMP regulations.
- Ceramic plunger pump realizes quantitative filling, acid and alkali corrosion resistance, wear resistance and high temperature resistance, and high filling accuracy.
- The sorting and conveying of the caps is realized by the vibrating plate, which adopts SUS316L stainless steel clean plate, no cleaning dead angle, the top plate is detachable and supports sterilization.
- The feeding of the syringe is realized through the centrifugal plate, which has high stability, fast speed and low noise.
- Adopt international famous brand electrical components, implement non-interference modular control, all synchronous actions are controlled by servo motors, accurate and reliable, and easy to operate.
- The operation of the motor is controlled by the PLC programming controller, the human-computer interaction interface monitors and displays the working status of each station in real time, and the real-time automatic alarm displays the fault location and fault prompt.
- A variety of filling doses and filling methods are available, supporting the storage of various formula parameters.
- Automatic operation, automatic feeding, automatic filling, automatic cap sorting, automatic cap screwing.
- It can be used for various specifications of syringes by changing the specification parts, modular design, easy to expand, can be used as a stand-alone machine or connected with elevators, labeling machines, light inspection machines and other equipment to form a production line.
- Optional automatic feeding system, using liquid level sensing, automatic feeding when there is no material.
- Class A laminar flow hood is optional to achieve high-demand clean production.

Main Technical Parameters

Applicable Materials	Liquid and ointment
Applicable Specifications	Various types of prefilled syringes
Filling Range	0.1-30ml (Need to replace plunger pump)
Number of Injection Nozzles	2
Filling Accuracy	≤±1.5%
Production Capacity	3600-3900 pcs/h
Power	4kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L3195×W1458×H1970mm
Weight	800kg

DZB100

Prefilled Catheter Flush Filling Production Line

Product Description

This equipment is mainly used for the pre-filling and sealing of catheter irrigators. It is the filling machine in the batch production line and is suitable for aseptic filling of physiological saline, sodium chloride, liquid alcohol, liquid medicine and other products. The equipment is stable in operation, easy to operate, equipped with intelligent detection devices, high in automation, easy to maintain, and can also be customized according to user needs.









Features

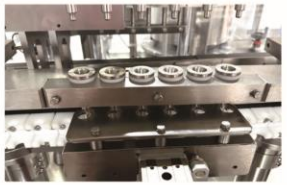
- Suitable for all types of prefilled catheter flushers, special types of syringes can also be customized.
- The surface is made of SUS304 stainless steel, and the parts in contact with materials are made of SUS316L stainless steel and medical grade silicone rubber, which meets the requirements of GMP regulations.
- Silicification adopts Japanese high-precision ultra-micro atomization spray valve, the spray volume can be adjusted between 0.5-2 mg, high-precision and stable spraying, no splashing, no dripping.
- Ceramic plunger pump realizes quantitative filling, acid and alkali corrosion resistance, wear resistance and high temperature resistance, and high filling accuracy.
- The sorting and conveying of rubber stoppers and caps is realized by the vibrating plate, using SUS316L stainless steel clean plate, no cleaning dead angle, the top plate is detachable and supports sterilization.
- Adopt international famous brand electrical components, implement non-interference modular control, all synchronous actions are controlled by servo motors, accurate and reliable, and easy to operate.
- The operation of the motor is controlled by the PLC programming controller, the human-computer interaction interface monitors and displays the working status of each station in real time, and the real-time automatic alarm displays the fault location and fault prompt.
- A variety of filling doses and filling methods are available, supporting the storage of various formula parameters.
- Fully automatic operation, complete a series of processes such as sorting, feeding, silicification, stoppering, filling, capping, and kicking waste.
- It can be used for various specifications of syringes by changing the specification parts. It is modularized and easy to expand. It can be u sed as a stand-alone machine or connected with rotary rod machine, labeling machine, visual inspection and other equipment to form a production line.
- Self-cleaning station for rubber stopper and cap self-cleaning station can be selected to realize adding rubber stoppers and caps without stopping the machine.
- Optional automatic feeding system, using liquid level sensing, automatic feeding when there is no material.
- Class A laminar flow hood is optional to achieve high-demand clean production.

Main Technical Parameters

Applicable Materials	Liquid and ointment
Applicable Specifications	Various types of prefilled catheter flushers
Filling Range	0.1-30ml (Need to replace plunger pump)
Number of Injection Nozzles	1
Filling Accuracy	≤±1.5%
Production Capacity	2100-2400 pcs/h
Power	5kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L3400×W950×H1800mm
Weight	1100kg

DZB600

Prefilled Catheter Flush High Speed Filling Production Line


Product Description

This equipment is mainly used for the pre-filling and sealing of catheter irrigators. It is the filling machine in the batch production line and is suitable for aseptic filling of physiological saline, sodium chloride, liquid alcohol, liquid medicine and other products. The equipment is stable in operation, easy to operate, equipped with intelligent detection devices, high in automation, easy to maintain, and can also be customized according to user needs.



Features

- Suitable for all types of prefilled catheter flushers, special types of syringes can also be customized.
- The surface is made of SUS304 stainless steel, and the parts in contact with materials are made of SUS316L stainless steel and medical grade silicone rubber, which meets the requirements of GMP regulations.
- Silicification adopts Japanese high-precision ultra-micro atomization spray valve, the spray volume can be adjusted between 0.5-2 mg, high-precision and stable spraying, no splashing, no dripping.
- Ceramic plunger pump realizes quantitative filling, acid and alkali corrosion resistance, wear resistance and high temperature resistance, and high filling accuracy.
- The sorting and conveying of rubber stoppers and caps is realized by the vibrating plate, using SUS316L stainless steel clean plate, no cleaning dead angle, the top plate is detachable and supports sterilization.
- Adopt international famous brand electrical components, implement non-interference modular control, all synchronous actions are controlled by servo motors, accurate and reliable, and easy to operate.
- The operation of the motor is controlled by the PLC programming controller, the human-computer interaction interface monitors and displays the working status of each station in real time, and the real-time automatic alarm displays the fault location and fault prompt.
- A variety of filling doses and filling methods are available, supporting the storage of various formula parameters.
- Fully automatic operation, complete a series of processes such as sorting, feeding, silicification, stoppering, filling, capping, and kicking waste.
- It can be used for various specifications of syringes by changing the specification parts. It is modularized and easy to expand. It can be used as a stand-alone machine or connected with rotary rod machine, labeling machine, visual inspection and other equipment to form a production line.
- Self-cleaning station for rubber stopper and cap self-cleaning station can be selected to realize adding rubber stoppers and caps without stopping the machine.
- Optional automatic feeding system, using liquid level sensing, automatic feeding when there is no material.
- Class A laminar flow hood is optional to achieve high-demand clean production.

Main Technical Parameters

Applicable Materials	Liquid and ointment
Applicable Specifications	Various types of prefilled catheter flushers
Filling Range	0.1-30ml (Need to replace plunger pump)
Number of Injection Nozzles	6
Filling Accuracy	≤±1.5%
Production Capacity	9000-10000 pcs/h
Power	12kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L7118×W2750×H2030mm
Weight	2900kg

XGJ100

Syringe Rotary Rod Machine

Product Description

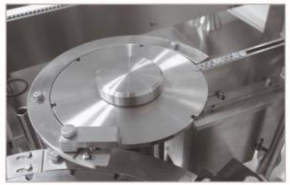
This product is mainly suitable for the automatic rotary rod after filling the prefilled syringe, and it is an integrated equipment designed for the packaging process of the prefilled syringe. It can be equipped with an automatic nesting machine for automatic feeding, and at the same time, it can be equipped with a semi-automatic light inspection machine to realize synchronous labeling detection and other functions.











Features

- Applicable to all types of prefilled syringes, special types of syringes can also be customized.
- The whole machine is made of SUS304 stainless steel, and the welding of the contact parts is fully welded and polished.
- There is no dead angle in the transition part of the silo, which is convenient for cleaning and cleaning.
- Oil-free lubricated bearings are used in all the mechanical moving parts of the operation surface to avoid the pollution caused by oil lubrication and dust flying.
- A full set of Siemens high-end control system is adopted, with simple wiring and anti-interference.
- The transmission of the whole machine and the high-precision and high-speed positioning parts adopt servo motors to perform actions.
- The whole machine is equipped with plexiglass door and mechanical door opening and shutdown function to ensure the safety of the operator.
- Auxiliary function configuration can be selected according to the actual production situation of the user, which can be connected to run or run independently.
- It can be applied to various specifications of syringes by changing the specifications, modular design, easy to expand.

Main Technical Parameters

Applicable Specifications	Various types of prefilled syringes
Production Capacity	1800-2400 pcs/h
Power	2kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L1100×W1100×H1750mm
Weight	500kg

XTJ100

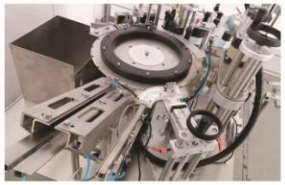
Syringe Vertical Rotary Rod and Labeling Machine

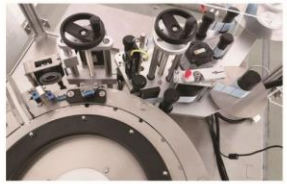
Product Description

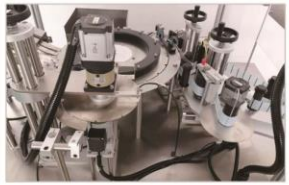
XTJ100 Vertical Rotary Rod and Labeling Machine is a device developed by our company for syringes. The equipment can automatically complete a series of actions such as rotary rod labeling, inkjet or laser printing batch number, production date, etc., to realize the rotary rod and labeling of syringes. This equipment has the advantages of compact structure, light weight, simple operation, reliable operation, convenient maintenance, stable rotary rod, fast labeling speed, flat and beautiful labeling, strong adaptability, etc., and can adjust the labeling speed according to the filling speed of the previous process. Stepless speed regulation ensures that the machine can be used alone or in line with other machines. It is an ideal choice for syringe rotary rod and labeling.











Features

- Flexible application, it can be produced by a single machine or connected to an assembly line. The layout of the production site is simple, and the conveyor belt can be configured to directly connect the rotary rod labeling machine from the clean room through the mouse hole, saving the space in the clean workshop.
- Adopt international well-known brand electric components, implement non-interference modular control, all synchronous actions are controlled by servo motors, implement automatic rotary rod labeling, accurate and reliable, and easy to operate.
- The operation of the motor is controlled by the PLC programming controller, the human-computer interaction interface monitors and displays the working status of each station in real time, and the real-time automatic alarm displays the fault location and fault prompt.
- Syringes of various specifications can be used universally by changing specifications or adjusting mechanism.
- The automatic feeding function can be configured, the prefilled syringe can be automatically loaded by the nesting device, the push rod can be automatically unscrambled and sent by the vibrating plate or the centrifugal plate, and the prefilled catheter can be automatically fed to the centrifugal plate by the elevator Tube management, tube delivery, and delivery to the chute for unloading.
- Optional thermal coding/jet coding function, to realize real-time printing functions such as printing batch number, production date,
- output counting, etc.

Main Technical Parameters

Applicable Packaging Materials	Syringes
Applicable Specifications	1ml long/1-3ml/5ml/10ml/20ml (Need to replace specifications)
Outer Diameter of Needle Tube	Φ8-Φ20mm
Total Length of Needle Tube	≤110mm
Label Length	20-60mm
Label Height	≤80mm
Maximum Outer Diameter of Label Roll	Φ300mm
Label Core Inner Diameter	Φ76mm
Single Label Spacing	≥3mm
Label Thickness	≥8um
Backing Paper Thickness	≥5um
Production Capacity	40-65 pcs/m
Power	2.5kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L1150×W1000×H1800mm
Weight	300kg

XTJ200

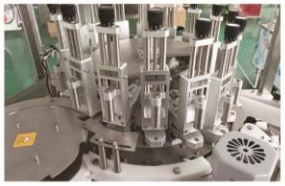
Syringe Vertical High Speed Rotary Rod and Labeling Machine

Product Description

XTJ200 Vertical High Speed Rotary Rod and Labeling Machine is a device developed by our company for syringes. The equipment can automatically complete a series of actions such as rotary rod labeling, inkjet or laser printing batch number, production date, etc., to realize the rotary rod and labeling of syringes. This equipment has the advantages of compact structure, light weight, simple operation, reliable operation, convenient maintenance, stable rotary rod, fast labeling speed, flat and beautiful labeling, strong adaptability, etc., and can adjust the labeling speed according to the filling speed of the previous process. Stepless speed regulation ensures that the machine can be used alone or in line with other machines. It is an ideal choice for syringe rotary rod and labeling.











Features

- Intelligent control, automatic photoelectric tracking, with the functions of no object no labeling, no label automatic correction and label automatic detection, to prevent missed labeling and label waste.
- Flexible application, it can be produced by a single machine or connected to an assembly line. The layout of the production site is simple, and the conveyor belt can be configured to directly connect the rotary rod labeling machine from the clean room through the mouse hole, saving the space in the clean workshop.
- Adopt internationally renowned electrical components, implement non-interference modular control, all synchronous actions are controlled by servo motors, and implement automatic rotary rod labeling, which is accurate, reliable, and easy to operate.
- The operation of the motor is controlled by the PLC programming controller, the human-computer interaction interface monitors and di splays the working status of each station in real time, and the real-time automatic alarm displays the fault location and fault prompt.
- Syringes of various specifications can be used universally through molds or adjustment mechanisms.
- It can be equipped with automatic feeding function. The glass syringe can be fed into the labeling machine by the nesting device, the push rod can be automatically sorted and sent by the vibrating plate or the centrifugal plate, and the prefilled catheter can be fed to the centrifugal plate by the elevator for automatic sorting. Tube, delivery tube, sent to the chute for unloading (combined with product considerations).
- Optional thermal coding/jet coding function, to realize real-time printing functions such as printing batch number, production date, output counting, etc.

Main Technical Parameters

Applicable Packaging Materials	Syringes
Applicable Specifications	1ml long/1-3ml/5ml/10ml/20ml(Need to replace specifications)
Maximum Outer Diameter of Label Roll	Φ320mm(Maximum)
Label Core Inner Diameter	Φ76mm(Minimum)
Label Specifications	Height 10mm-80mm Length 20-70mm (Special specifications can be customized)
Production Capacity	120-180 pcs/m(Depending on product size and label length)
Power	4.5kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L1500×W1300×H2000mm
Weight	400kg

XLP200

Vial Filling and Capping Machine

Product Description

XLP200 Vial Filling and Capping Machine is a special equipment specially developed by our company for the filling, stoppering and capping of vials. It is suitable for pharmaceutical, medical machinery, medical beauty and other industries. The front end can be equipped with ultrasonic bottle washing machine, hot air circulation tunnel oven, bottle unscrambler, etc., to realize the continuous operation of the integrated process of automatic bottle unscrambling, automatic bottle feeding, automatic filling, automatic stoppering, automatic capping, etc., and realize the filling of liquid medicine Pack and seal. The whole machine adopts high-precision servo motor control, high degree of automation, stable and smooth operation, and is an ideal choice for automatic packaging of vials.





Features

- The surface is made of SUS304 stainless steel, and the parts in contact with materials are made of SUS316L stainless steel and medical grade silicone rubber, which meets the requirements of GMP regulations.
- Aqueous liquids are filled quantitatively by ceramic plunger pumps (Powders are filled by screw pumps). The filling volume and speed can be directly adjusted through the man-machine interface. The filling accuracy is high, the speed is high, and the output is high.
- The sorting and conveying of rubber stoppers and aluminum caps is realized through the vibrating plate, using SUS316L stainless steel clean plate, with bright surface treatment, and no cleaning dead angle.
- It adopts electrical components of international famous brands, implements non-interference modular control, and all synchronous actions are controlled by servo motors, which are accurate, reliable and easy to operate.
- Equipped with a detection and early warning system to realize functions such as no bottle no filling, automatic alarm, etc. Electronic detection components are installed in the filling, plugging, capping, capping and other stations, and each action has monitoring feedback to achieve no The bottle is not filled, and it is not corked or corked.
- A variety of filling doses and filling methods are available, supporting the storage of various formula parameters.
- The injection needle is used to fill with the liquid level rising to prevent the liquid medicine from splashing.
- Class A laminar flow hood is optional to achieve high-demand clean production.

Main Technical Parameters

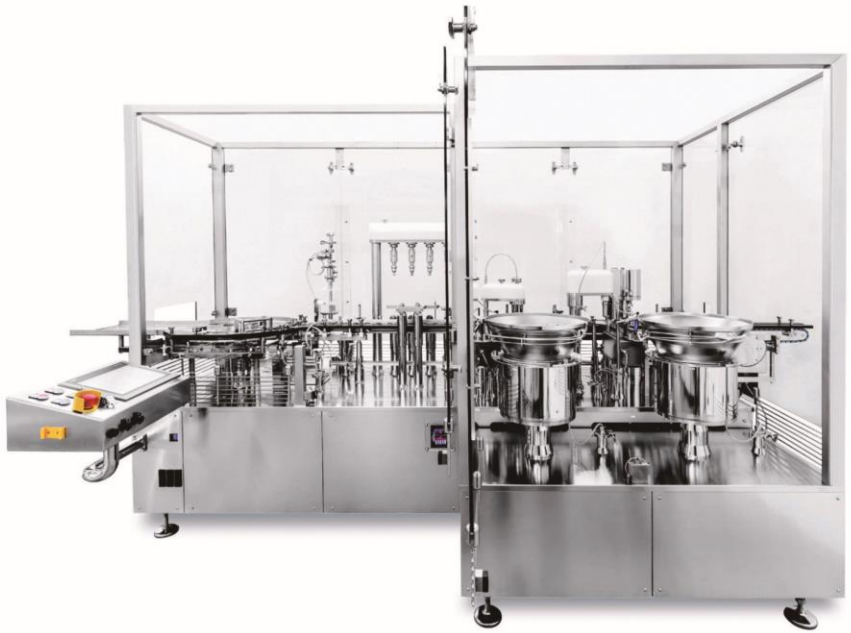
Applicable Materials	liquid, powder, ointment
Applicable Specifications	5ml-25ml(Need to replace specifications)
Filling Range	0.1-25ml (Need to replace plunger pump)
Number of Injection Nozzles	1-2
Filling Accuracy	≤±1-3%(According to material characteristics)
Production Capacity	Powder single injection 20-25 pcs/min Liquid double injection 30-40 pcs/min
Power	3.5kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L3300×W1900×H1800mm
Weight	620kg

KSP200

Cartridge Filling and Capping Machine

Product Description

KSP200 Cartridge Filling and Capping Machine is a special equipment specially developed by our company for the stoppering, filling and capping of cartridge bottles. It is suitable for pharmaceutical, medical equipment, medical beauty and other industries. The front end can be equipped with ultrasonic bottle washing machine, hot air circulation tunnel oven, bottle unscrambler, etc., to realize the continuous operation of the integrated process of automatic bottle unscrambling, automatic bottle feeding, automatic stoppering, automatic filling, automatic capping, etc., and realize the filling of liquid medicine Pack and seal. The whole machine adopts high-precision servo motor control, high degree of automation, stable and smooth operation, and is an ideal choice for automatic packaging of cartridge bottles.





Features

- The surface is made of SUS304 stainless steel, and the parts in contact with materials are made of SUS316L stainless steel and medical grade silicone rubber, which meets the requirements of GMP regulations.
- Ceramic plunger pump (optional peristaltic pump) realizes quantitative filling, acid and alkali corrosion resistance, wear resistance and high temperature resistance, and high filling accuracy.
- The sorting and conveying of rubber stoppers and aluminum caps is realized by the vibrating plate, which adopts SUS316L stainless steel clean plate with bright surface treatment and no dead angle for cleaning.
- It adopts electrical components of international famous brands, implements non-interference modular control, and all synchronous actions are controlled by servo motors, which are accurate, reliable and easy to operate.
- The operation of the motor is controlled by the PLC programming controller, the human-computer interaction interface monitors and displays the working status of each station in real time, and the real-time automatic alarm displays the fault location and fault prompt.
- A variety of filling doses and filling methods are available, supporting the storage of various formula parameters.
- The injection needle is used to fill with the liquid level rising to prevent the liquid medicine from splashing.
- Class A laminar flow hood is optional to achieve high-demand clean production.

Main Technical Parameters

Applicable Materials	Liquid and ointment
Applicable Specifications	1.5ml-5ml
Filling Range	0.1-5ml
Number of Injection Nozzles	2
Filling Accuracy	≤±1.5%(According to material characteristics)
Production Capacity	40-60 pcs/m
Power	3.5kw
Voltage	380V 50Hz
Compressed Air	0.6-0.7Mpa
Dimensions	L2000×W1500×H1800mm
Weight	600kg

HLB

Semi-automatic Vertical Multifunctional Syringe Filling Machine

Product Description

This product is mainly suitable for medical beauty, medicine, daily chemical and other industries. It is an ideal equipment for filling various types of syringes, and can be customized according to customers' packaging materials.









Features

- Using 304 stainless steel body, excellent workmanship, in line with GMP requirements.
- The machine structure is designed reasonably, equipped with stainless steel quick-release joints, quick and convenient disassembly and assembly, easy to clean and maintain.
- It adopts pure pneumatic filling method, no electricity is needed, and it is especially suitable for use in explosion-proof requirements and humid environments, with high safety.
- The material outlet adopts anti-drip filling nozzle, which has good sealing performance and ensures accurate filling.
- The caliber of the crystal head of the filling nozzle can be customized according to the diameter of the needle head, which is suitable for various specifications of syringes.
- The newly upgraded five-way rotary valve can choose to use hopper feeding or feeding pipe feeding, which is suitable for a variety of materials.
- Adopt international well-known brand pneumatic components, which are stable and durable, ensuring the reliability of the machine.
- The control panel is equipped with an air pressure gauge, which can monitor the air pressure at any time, and the discharge and suction speed can be adjusted.
- The oil-water separator is installed on the left side of the fuselage, which effectively filters the compressed air, keeps the inside of the cylinder dry, and has a long service life.
- Manual adjustment of filling volume, simple operation, easy to use.
- Height-adjustable console with excellent carrying capacity, suitable for a variety of products.
- Foot switch, easy to use and flexible, manual/automatic two feeding methods can be switched freely.

Main Technical Parameters

Applicable Materials	Liquid and ointment
Applicable Specifications	Various types of syringes
Filling Range	1-25ml
Filling Accuracy	≤±2%
Production Capacity	20-30 pcs/m
Compressed Air	0.6-0.7Mpa
Dimensions	L400×W400×H1500mm
Weight	80kg