



上海派协包装机械有限公司
Shanghai Paixie Packaging Machinery Co.,Ltd.



QUOTATION NO: PX&MC20240529

ITEM DATE: 29 May 2024

PROJECT COMPANY: Isola Solutions WLL

CONTACT:

PVC GLUE PACKING PROJECT

- COMPANY INTRODUCE
- BOTTLE FEEDING TABLE
- 2IN1 FILLING CAPPING MACHINE
- LABELING MACHINE
- COLLECTING TABLE

REMARK:

Attached photos for reference and the final machine design based on client's samples.
Some necessary equipment can be added according to your need.



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COMPANY INTRODUCTION

Shanghai Paixie Packing Machinery Co., Ltd. is a distinguished manufacturer specializing in the R&D, production, sales, and service of advanced packaging machinery. Since our inception, we have remained steadfast in our commitment to the packaging machinery sector, emphasizing continuous improvement, rapid innovation, and meticulous craftsmanship. Our dedication has earned us 1 invention patent and 31 utility model patents, establishing a unique competitive edge in the market. Recognized as a high-tech enterprise in Shanghai in 2019, Paixie Packing Machinery has a proven track record of supplying state-of-the-art filling machines to Fortune 500 companies and numerous publicly listed firms. Our products consistently meet the rigorous standards of major corporate audits, showcasing our expertise, reliability, and vibrant, dynamic team.

Advanced Technology: We integrate the latest software programming, remote communication, and artificial intelligence technologies into our equipment. This ensures our machines are at the forefront of technology, offering high efficiency and precision in their operations.

Reliable Quality: In 2015, we achieved ISO9001 management standards and passed rigorous audits from Fortune 500 companies. Our production processes and quality assurance are paramount, ensuring the utmost reliability of our equipment.

Rich Experience: Our team members not only graduated from relevant professional universities but also possess extensive industry experience and a portfolio of successful projects. This wealth of experience is our core secret to earning and maintaining customer trust.



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Excellent Service: We provide a comprehensive service system covering pre-sales consultation, seamless installation, and responsive after-sales support. This is particularly crucial for small and medium-sized enterprises that may lack specialized equipment maintenance teams.

Strong Competitiveness: The competitiveness of a company ultimately relies on the competitiveness of its products. Our filling machines stand out due to their advanced technology and stability, giving us a unique edge in the market.

Work shop

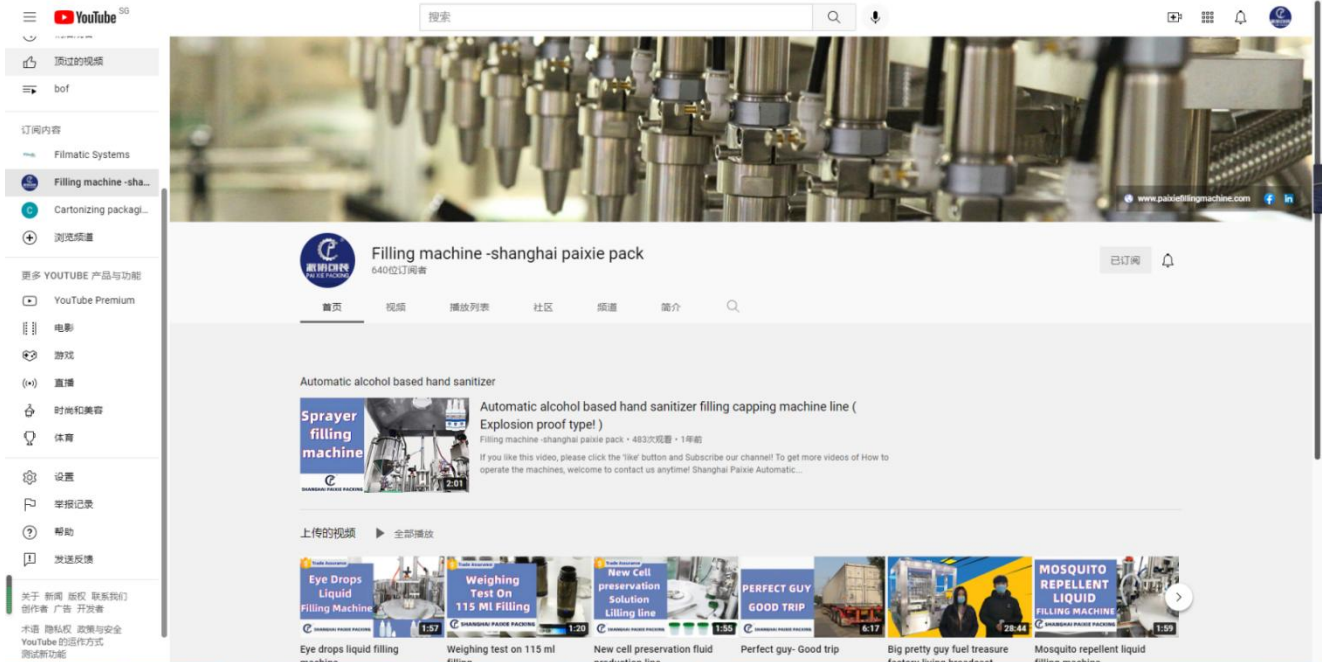




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YOUTUBE CHANNEL(Secure Hyperlink)



FACEBOOK PAGE(Secure Hyperlink)





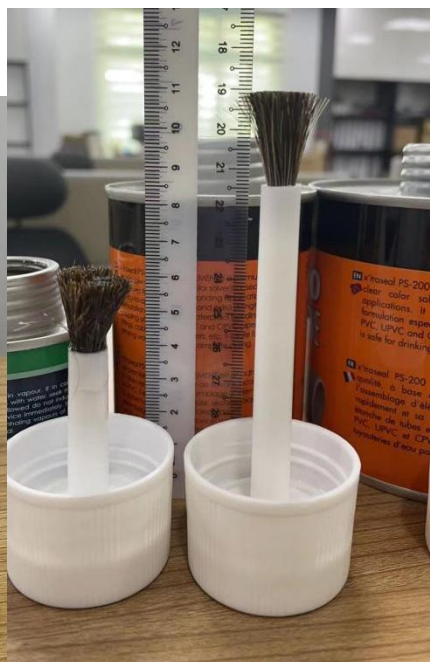
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CUSTOMER REQUIREMENT:

Filling material	PVC glue
Filling speed	1500-2000BPH
Filling Volume	60ml, 125ml, 250ml, 473ml & 946 ml



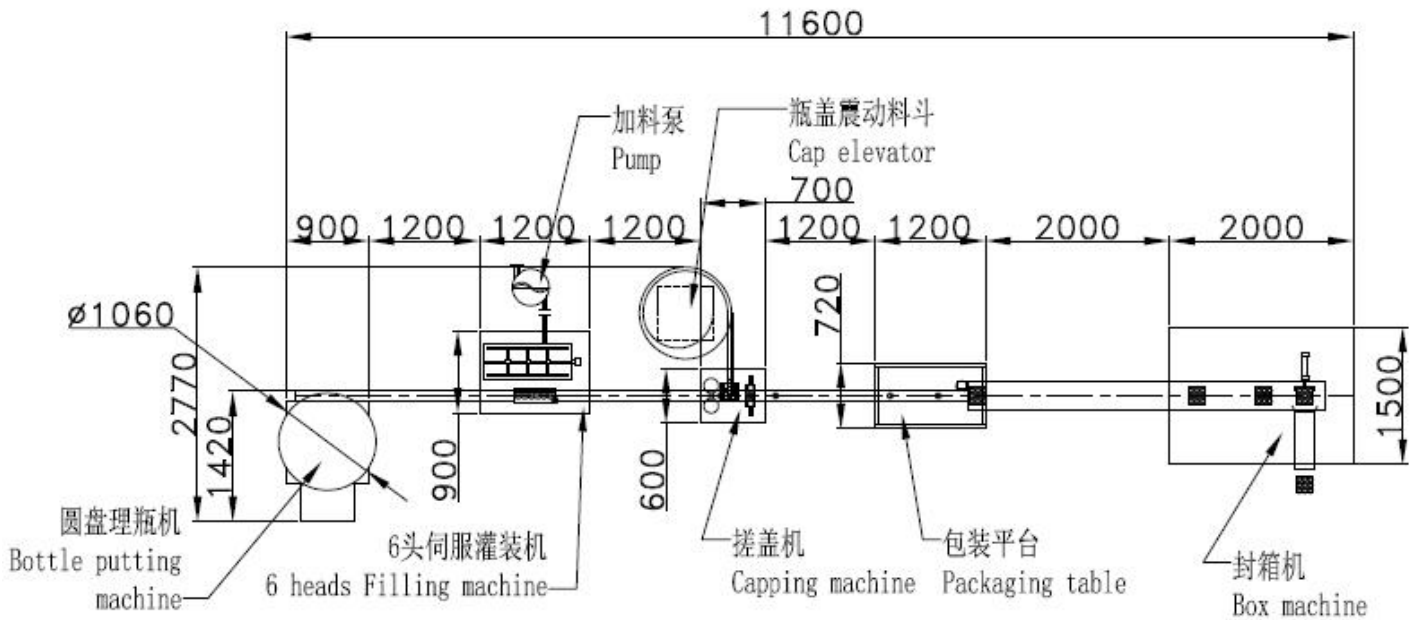
Bottle type: 60ml, 125ml, 250ml, 473ml & 946 ml



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CORRESPONDENT DRAWING FOR YOUR REFERENCE:



(similar cases for layout reference)



Overview based on excessive experience

Improved Nozzle Design:

1. Self-Cleaning Nozzles: Utilize self-cleaning nozzle designs to reduce clogging frequency and ensure continuous production.
2. Adjustable Nozzles: Implement adjustable nozzles to modify nozzle size based on glue viscosity, ensuring smooth filling.
3. Sealed Nozzles: Incorporate sealing functions in nozzle designs to prevent chemical reactions between glue and air, thereby avoiding solidification.

High-Precision Filling System:

1. Precision Sensors: Integrate high-precision sensors in the filling process to ensure accurate fill volumes every time.
2. Intelligent Control System: Employ intelligent control systems to monitor and adjust fill volumes in real-time, minimizing waste.
3. Feedback Mechanism: Establish a real-time feedback mechanism to promptly correct deviations and maintain filling precision.

Easy-to-Clean Design:

1. Quick-Release Structure: Utilize quick-release structures in equipment design for easy disassembly and cleaning.
2. Anti-Stick Coating: Apply anti-stick coatings on key components to reduce glue residue and facilitate cleaning.
3. Cleaning Mode: Design automatic cleaning modes to periodically clean pipelines and nozzles, keeping the equipment clean.

Enhanced Automation:

1. Automated Production Line: Introduce automated production lines to achieve automatic filling, sealing, and labeling, thereby increasing production efficiency.
 2. Multi-Sensor Assistance: Use compressed air sensors, liquid level sensors, weight sensors, cap detection sensors, and power detection sensors to reduce manual intervention and enhance production efficiency.
- Smart Recognition System: Implement smart recognition systems to automatically detect bottle positions and statuses, providing automatic fault alerts and solutions to improve efficiency and reduce maintenance costs.

Simplified Maintenance Procedures:

1. Modular Design: Adopt modular designs to facilitate quick bottle changes and repairs, especially suitable for operations with various bottle types and specifications.
2. Remote Monitoring: Introduce remote PLC monitoring systems to track equipment status in real-time, promptly identifying and resolving issues; capable of remote PLC data modification, fault diagnosis, and program updates.



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3. User-Friendly Interface: Design user-friendly interfaces with multiple language options; provide maintenance prompts and guidance to reduce maintenance complexity.
4. How to quickly and effectively sort out the hairbrush and place it correctly into the bottle is also one of the key issues that determine the success of this machine.

PART 1. BOTTLE FEEDING TABLE

This machine is the matching product for various kinds of bottle packaging equipment and can automatically delivery the bottles into the conveying belt of the equipment, thus assuring the normal work of the bottle packaging equipment. The machine completely meets the GMP standard.



Attached photos for your reference, the machine will be customized by your requires

TECHNICAL PARAMETER:

Product	Bottle Feeding Table
Work voltage	220/380V 50/60Hz
Direction	Flexible right to left / left to right
Power	370W
Driving	Gear motor
Diameter	Standard 800mm (or customized)
Rotary Speed	5-8 round/min
Frame material	SS304

PART 2. 2IN1 4 NOZZLES FILLING MACHINE

This filling machine is a model customized for PVC and other glues. All the parts in contacting with the material are sealed with tetrafluoroethylene sealing rings to ensure that the transmission parts will not cause the glue dry due to contact with the air and affect the operation of the machine. This filling line adopts linear type filling with piston pumps, high filling speed and precision. It is driven by servo motors with high stable and accurate. Brand touch screen interface adjust metering, frequency conversion speed regulation. And it has the functions of no bottle no filling, filling without leakage. Advanced design, compact structure.



FEATURES:

1. The machine adopts piston pump for filling, with high precision and stability, ideally suit for different viscous liquids.
2. Adopt 4 nozzles filling, reaching output about 1500-2000BPH for 100ml, can be adjusted on HMI for your need easily.
3. Anti-drip filling nozzles, high precision $\cong 99\%$, no liquid drip and keeping bottles and machine' surface clean, meeting food hygiene requirement.
4. No bottle no filling.
5. Our machine adopts PLC system and Servo motor control, so you can adjust filling capacity on HMI touch screen directly, more simple, practical and stable.
6. All parts in contact with the material are made of corrosion-resistant materials, and the transmission parts are sealed with polytetrafluoroethylene, more durable and meeting food hygiene requirement.
7. The filling system parts all adopt quick-fitting removable structure, easy to disassemble for maintenance and cleaning up for different flavors.



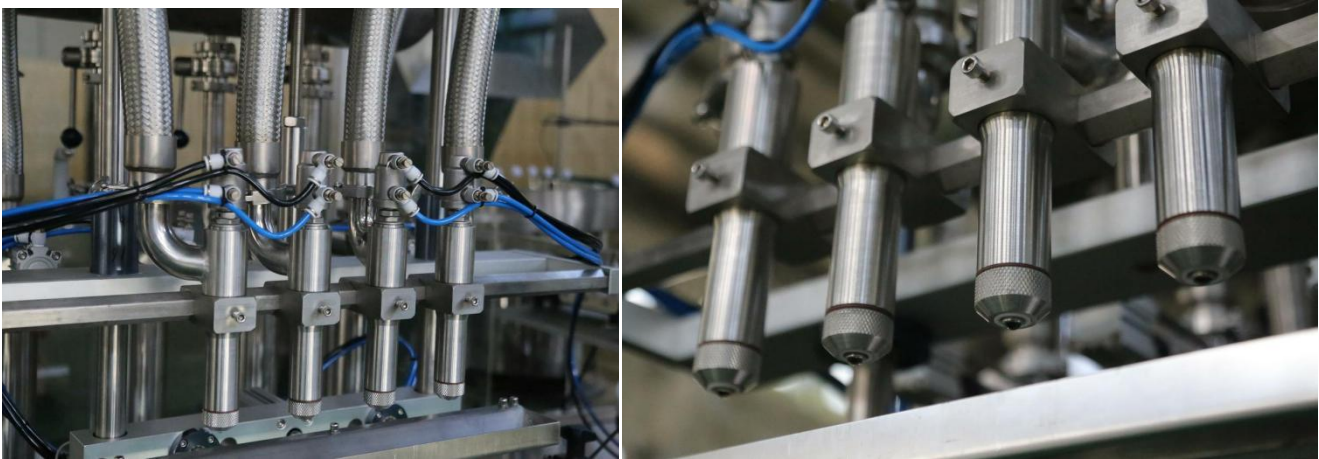
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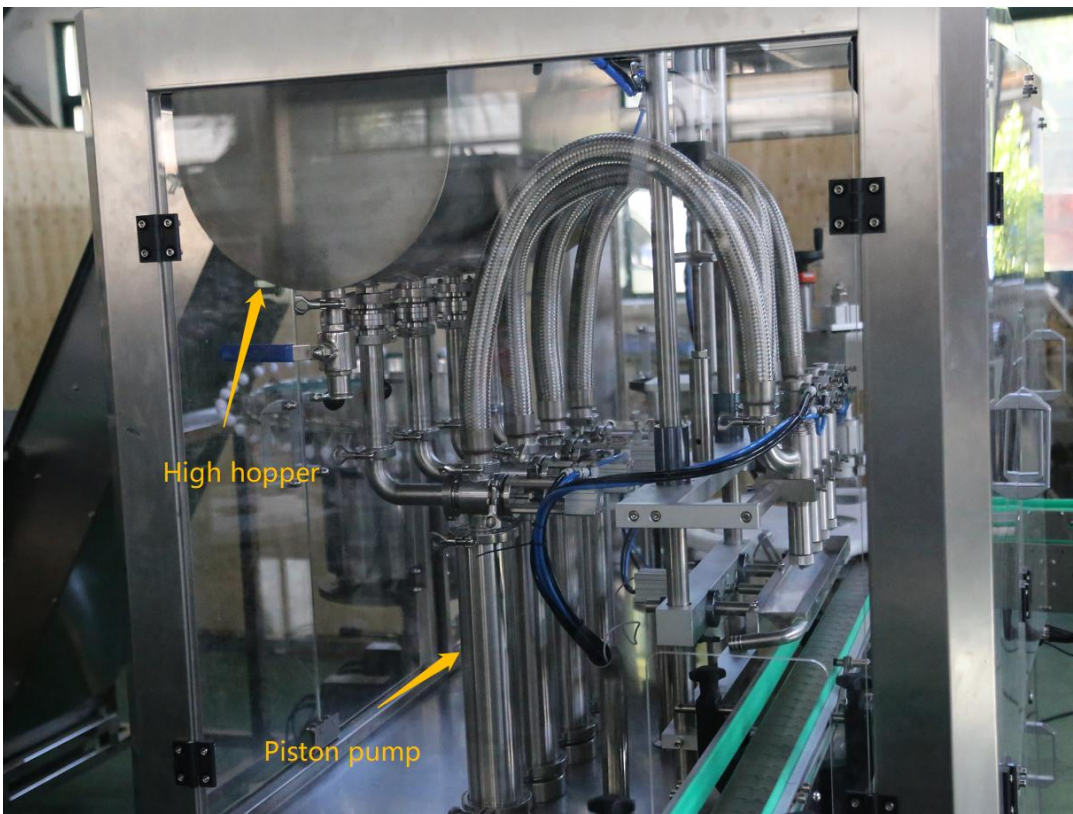


8. All our components adopt famous brand with reliable quality, ensure the machines working well for you in the long term.
9. We also have the Organic glass Safe Protect Cover for the machines. Strong stainless steel frame, more durable and safe. If you open the glass door during production, the machine will auto-stop running to protect you. Ensure higher safety.

Filling nozzles: 4 nozzles filling nozzles, after the filling finished, the bottom of the filling nozzles will be closed to prevent the air go inside.



High Hopper: the top of the hopper is sealed, and ensure that the material is always full, minimizes air inside the hopper.



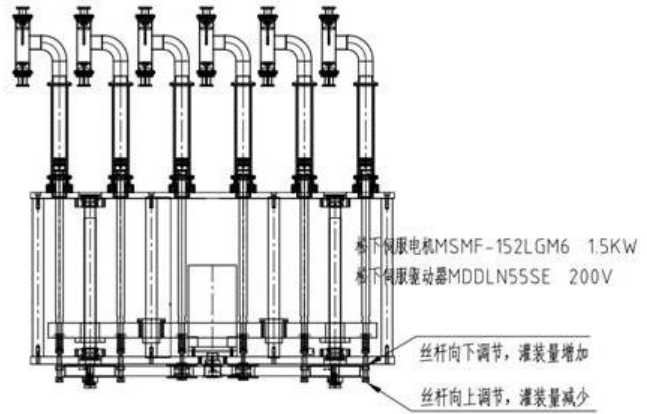
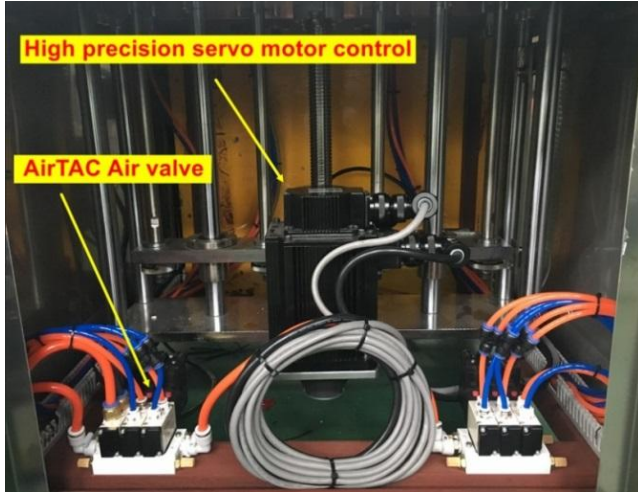


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Servo system driving to ensure flexible filling volume adjusting:

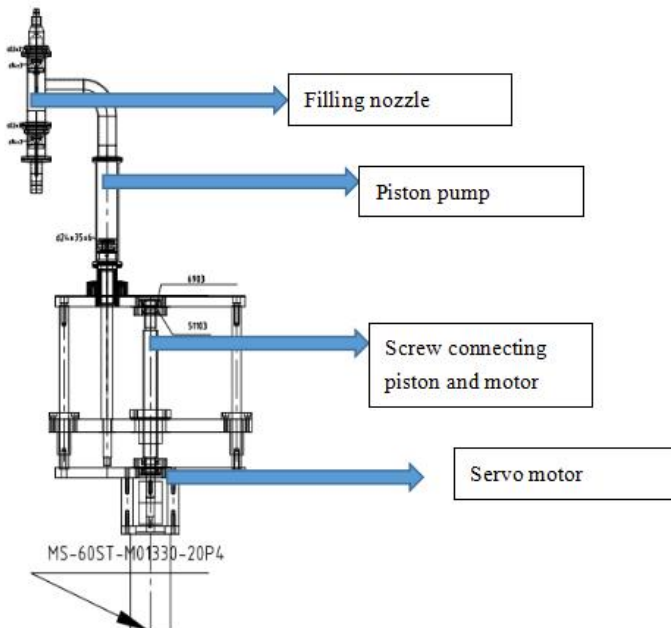


The working principle of the servo motor, explaining how to precisely control the filling volume. When the screw is adjusted downward, the filling volume increases, and when the screw is adjusted downward, the filling volume decreases.

You may have following questions ?

1- How to ensure filling volume with high precision ?

We adapt servo motor as driver , compact to traditional pneumatic cylinder, servo has below advantages:
 1--High precision, we control the servo motor by PLC, the servo connected with the piston pump by screw, the motor running up, push the screw, then screw push piston at the opposite, so actually the filling volume is equal to motor running distance, as below:





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From the drawing, you can see the filling system. Actually the below servo motor get instruction firstly, and then running up, and driving the screw up at the same time, SO the piston pump get the pressing power from below and then press the liquid in pump body out on the top to the filling head.

2-How to load sauce into filler hopper from our own container?

We use the latest rotary lobe pump for the transportation of sauce. It is an electric feeding pump, which is different from pneumatic equipment. It is suitable for the application of food and has no noise, while the pneumatic diaphragm pump will emit "GAGAGAGA" noise. It's automatic, refills automatically, stops automatically, and high temperatures are never a problem when the filler hopper is full or nearly depleted.





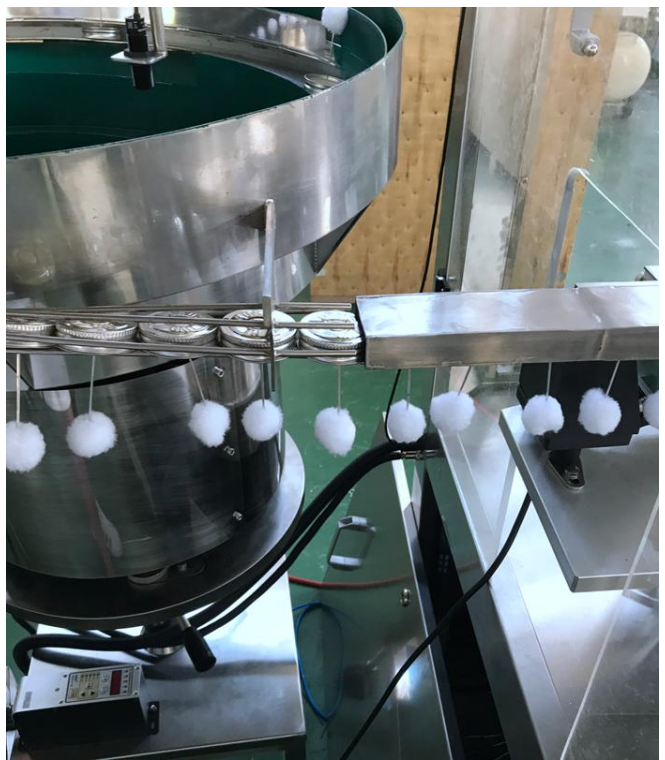
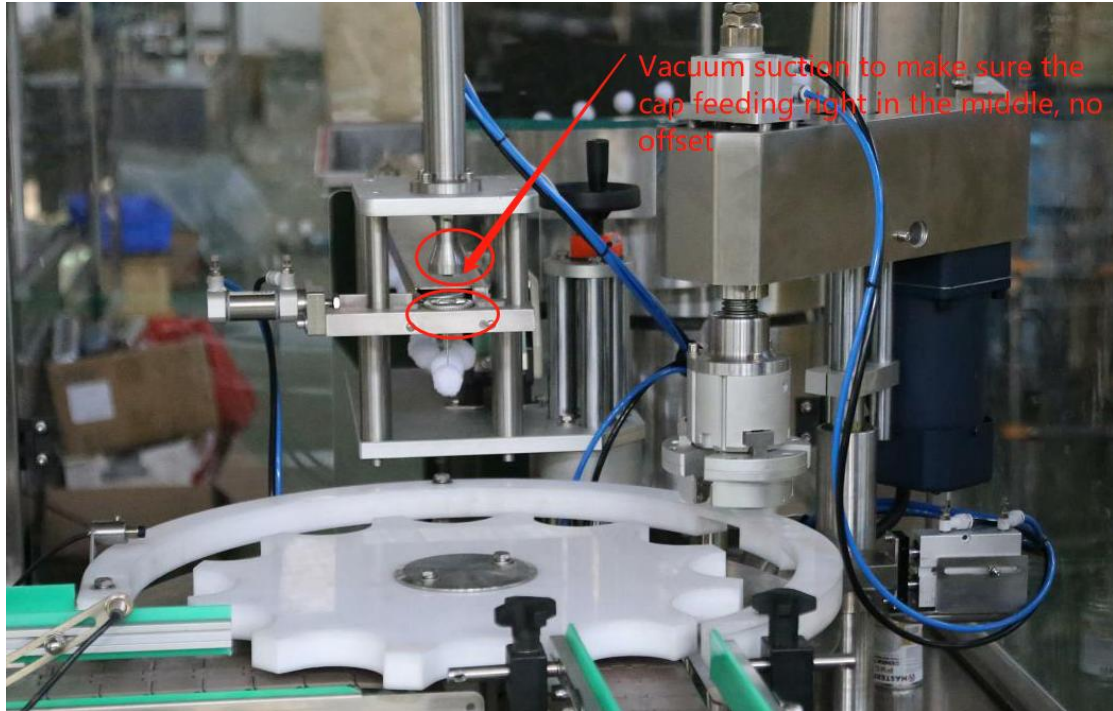
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CAPPING MACHINE

Under the rotary of the platform, the bottles with caps will move to the capping head. When sealing the bottle, first the head will press the cap to positionalize it, then sealing head will seal the bottle, Specially suit for the spray caps. The screwing head adopt Magnetic torque screwing capping, Special designed with rubber inside, good sealing and no damage to caps.





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TECHNICAL PARAMETER:

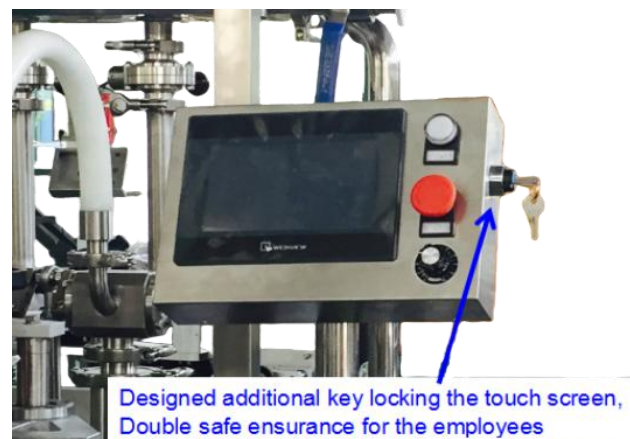
Production capacity	1500-2000 BPH
Filling heads	4 Nozzles
Filling method	Linear type
Driving motor	Servo motor
Filling pump	4*piston pump
Filling volume	50-1000ml
High hopper	Included
Capping head	1 head
Cap vibrator	1 vibrator
Cap elevator	1 elevator
Capping motor	Magnetic torque motor
Work voltage	220/380V 50/60Hz
Air pressure	0.6-0.8MPA
Accuracy	99%
Power	2.0KW
Function	No bottle no filling, anti-drip, no cap no capping
Protective plexiglass cover	Plexiglass cover included, when people open the open door, it will stop working to ensure the human safety.

HMI CONTROL SCREEN

The filling machine is equipped with a PLC control system, allowing for easy adjustment of filling speed, volume, fault and alarm notifications, and adaptation to different bottle heights. The operation is straightforward with a user-friendly HMI that supports multiple languages and offers high safety protection designs.

CIRCUIT BOARD:

The circuit board is arranged clean, higher safety. Each wire has the remark label and number, much more convenient for you to use and maintain in the future.





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ELECTRIC PIPE PROTECTING TUBE LINE CONNECTION MARK AND AVIATION PLUG



Each wire of our machine has protective connectors and viewing stickers to protect the wires from damage, making your operation safer and also helping you to easily identify and connect them while using the machine



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Attached photos for your reference, the machine will be customized by your requires

The plexiglass protective cover is an **optional accessory** to protect the fill line. When the glass door is opened, the PLC cuts off the power to the equipment to avoid related accidents. At the same time, organic dust pad to ensure clean packaging. Specific requirements are determined based on the customer's production shop.

PART 3. ROUND BOTTLE LABELING MACHINE

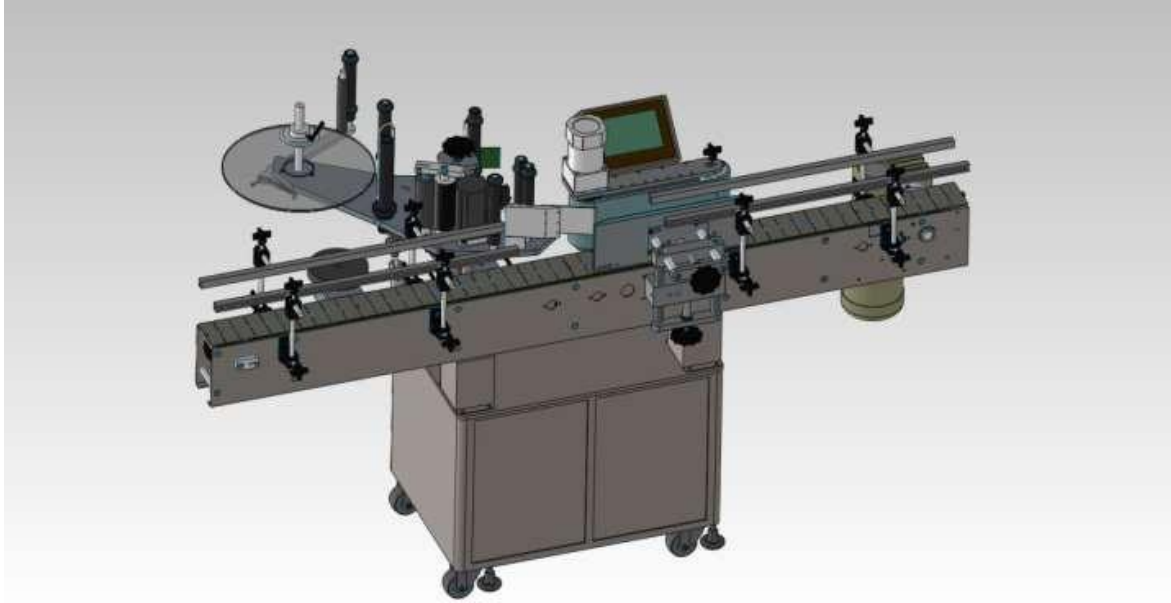
This round bottle labeling machine is suitable for all kinds of square bottles / jars / cans etc. Both glass bottles, plastic bottles and aluminium can are ok. Also the machine is adjustable to suit different diameter and height bottle.





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WORKING PROCESS:

- (1) Bottle delivery to labeling machine conveyor from production line, or worker put bottles on machine conveyor, delivery to separate bottle device keep in same distance;
- (2) Go on enter into tidy bottle device, all bottles move in a center line into the press bottle device, fix bottle body not move and waiting for labeling.
- (3) When sensor check bottle, send signal to PLC, PLC received the signal deal with information first, then output signal to servo motor send label, with brush label device past labels on bottle surface more smooth.
- (4) After the round bottle is marked, enter the rear roll bottle unit and complete the round bottle labeling fixation.
- (5) Labeling finish.

TECHNICAL PARAMETER

Product	Round bottle labeling machine
Driven motor	Step motor
Direction	Right to left / Left to right
Label core	Standard 75mm
Bottle size	Diameter: 10-150mm Height 3-350mm
Label size	Length 10-3500mm Width 10-200mm
Power	220/380V 50/60Hz



PART 4: BOTTLE COLLECTING TABLE

- 1) Used for temporary storage and packaging of finished products
- 2) Dimensions: 500mm×1200mm
- 3) Power: about 0.12KW



PART 5: CONVEYOR





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PART 6: SPARE PARTS



Different bottles will need different capping wheels

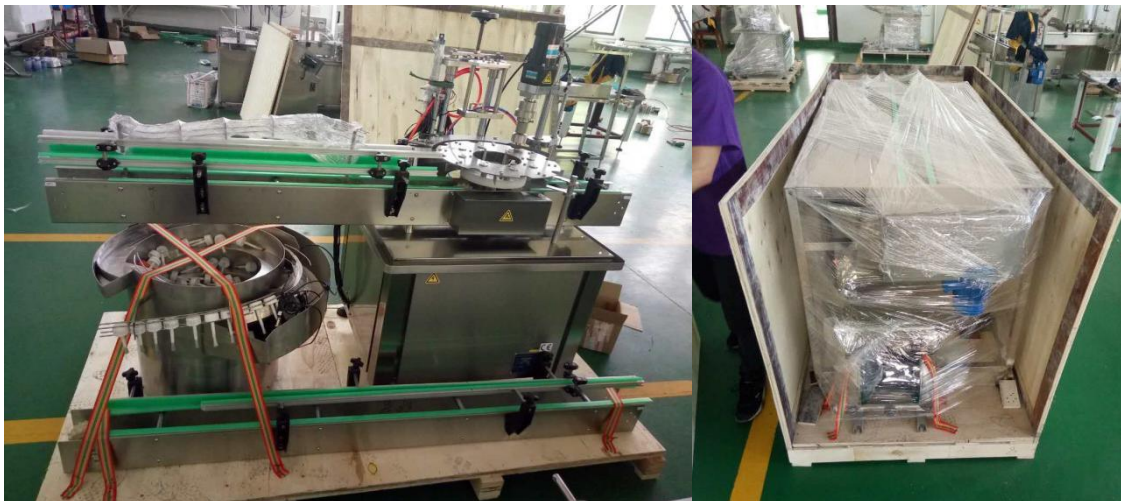


ABOUT PACKAGING

High quality Strong wooden cases, fumigation-free, good fixation, In international trade, the professional packaging and shipping of machines and large mechanical equipment are crucial:

1. Labels and Markings: Clear labels help accurately identify and handle the equipment, including details such as the equipment name, model, quantity, weight, and destination, simplifying customs clearance and reducing delays.
2. Choosing the Right Materials: Select appropriate packaging materials based on the characteristics and transportation conditions of large mechanical equipment to ensure the equipment is fully protected during transit.
3. Proper Packaging Methods: Use suitable packaging techniques, such as fillers, cushioning materials, and securing devices, to prevent the equipment from moving or tilting during transport.
4. Protecting Equipment: Professional packaging effectively protects the equipment from accidents during transport, reducing damage and loss, and lowering claims and replacement costs. Ensure the equipment arrives at the destination in optimal condition.
5. Packing List and Inspection: Provide a detailed packing list with the shipment, listing the equipment and its components. Upon receipt, conduct an unboxing inspection to check the contents against the packing list and verify that the equipment is undamaged. After inspection, proceed with assembly, ensuring all parts are complete and functional, which is crucial for the subsequent use of the equipment.

In summary, These practices are essential components of successful international trade.



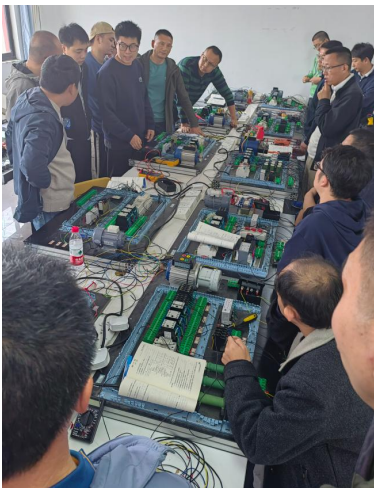


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ABOUT ENGINEER INSTALLATION AND TRAINNING



Malaysia customer factory



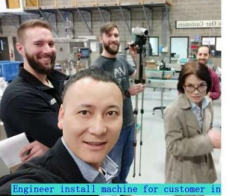
Tanzania customer factory



engineer train workers in customer's factory



US customer factory



Madagascar customer factory

Engineer install machine for customer in



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Payment terms:

◆ Price Basis: FOB Shanghai

◆ **MOQ:** 1 Set

◆ **Delivery time:** 60 Working days after receipt of deposit 30% T/T and samples

◆ **Place of Delivery:** Shanghai

◆ **Payment Terms:** 30% Deposit by T/T before production, 70% balance by T/T or L/C at sight before shipment.

◆ **Samples sending :** 200pcs bottles each + 500pcs caps each + 1 rolls of labels each (**Machine testing use ,will be sent with machine if left**)

◆ **Packaging:** Wooden case.

◆ **Quality Warranty:** Offering One year warranty; free spare parts for 1 year; Lifelong maintenance and technical support.

◆ **Inspection:** The buyer can come to do the machine inspection when the machines are ready.

◆ **Machine Installation or Fixing:** If Buyer requires Seller's engineer to install or fix the machines locally in due course, the Buyer should pay the round air tickets cost and arrange accommodation as well.

◆ **The validity time of this quotation is 30 days.**



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QUOTATION:

PART	ITEM	QTY	UNIT PRICE	AMOUNT USD	REMARK
1.	Bottle feeding table	1 set	\$1,500	\$1,500	800mm
2.	2IN1 filling capping machine	1set	\$23,500	\$23,500	Including: Cap vibrator and elevator, Lobe transfer pump, Plexiglass cover
3.	Round bottle labeling machine	1set	\$5,600		Please confirm it
4.	Packing table	1 set	\$1,000	\$1,000	
5.	Conveyor	3m	\$300	\$900	Please confirm it
6.	Spares(1+4)	4 sets	\$450	\$1800	For other 4 jar formats, one is free.
7.	Explosion proof	1 set	\$3,900		Please confirm it
TOTAL FOB PRICE				USD28,700	



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AFTER-SALES SERVICE

1. Warranty time: All machines are guaranteed for one year free that we provide spare components except the wrong operation or damaged by people on purpose.
2. Teaching services: Our engineers will teach your staff to operate the machine during the period of installation and commissioning, and they will not leave until your staff can operate it properly and normally when it necessary.
3. Certificate services: Complying with our clients' request, we can provide related certificates to clients freely
4. Maintenance services: If you have any questions or any malfunction happened, we will reply you within 48 hours except the special reasons once you enquiry us, you also can call our help line: 0086-18217396995

OUR GUARANTEE

1. Each machine is manufactured by our professional workers.
2. Each machine with a strict inspection before transportation.
3. Each machine use good quality components and parts.
4. Each machine 1 year warranty, Free spare parts for 1 year
5. Beside the warranty days, provide life-long maintenance services

We wish to provide best service to you after sales

Licon Luy



Shanghai Paixie Packing Machinery Co., Ltd

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