

PROFESSIONAL MANUFACTURER OF

CAP ASSEMBLY MACHINE

瓶盖组装设备
专业制造商



温州富日包装机械有限公司
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PROFESSIONAL MANUFACTURER OF

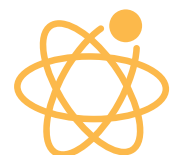
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STABLE & RELIABLE
稳定可靠



LEADING THE WORLD
引领全球



14
14 patents
14项各项专利



150+
Customers Maintained
Year-round
150+客户保持常年维护



A NEW IMPETUS TO PROMOTE THE INDUSTRY

Wenzhou Furi Machinery Co., Ltd. is an enterprise specializing in the bottle closures automatic solutions design, manufacture and sales of bottle cap assembly machines. We nonstop create value for customers, insist on continuous innovation around customer needs, increase investment in basic research, accumulate knowledge, and achieve win-win cooperation. The company is a national high-tech enterprise and Province High technological enterprise in Zhejiang Province. At present, the company has 6 invention patents, more than 10 utility model patents and CE certificates.

The company is committed to providing the market with high-quality machinery With strong technical support and new service concepts, FURI continues to provide customers with systematic solutions, high-quality products and considerate services. The bottle cap automatic assembly equipment and other products manufactured by the company are widely used in medicine, food, cosmetics, daily chemicals, beverages and other fields. After decades development, we have accumulated rich technical strength and customer resources in the field of technology research and development, design and production of bottle cap assembly automation domestic and abroad, FURI becomes top supplier and manufacturer in the field of bottle cap automation industry.

The company's products: bottle cap wadding machine, bottle cap assembly machine, bottle cap closing machine, cap screwing capping machine, bottle cap liner die punching machine, bottle cap labeling machine, bottle cap sealing machine, bottle cap filling and sealing machine, etc.

促进行业发展的新动力

温州富日包装机械有限公司是一家专门从事瓶盖组装自动化设计、制造和销售的企业。我们持续为客户创造价值，坚持围绕客户需求持续创新，加大基础研究投入，厚积薄发，合作共赢。公司属于国家高新技术企业、浙江省科技型中小企业，目前公司拥有发明专利6项，多项实用新型专利和CE证书。

公司致力于为市场提供品质优良的项目产品，凭借强大的技术支持和全新服务理念，不断为顾客提供系统的解决方案、优质的产品和贴心的服务。公司制造的瓶盖自动化组装设备等产品广泛应用于医药、食品、化妆品、日化、饮料等领域。

通过近十几年的发展，在国内外瓶盖组装自动化的技术研发、设计、生产领域积累了丰富的技术实力和客户资源，在瓶盖自动化行业领域拥有一定的领先优势，在国际和国内具有较高的市场竞争力。

公司系列产品：瓶盖加垫机，瓶盖组装机，瓶盖合盖机，旋盖机，瓶盖垫片冲压机，瓶盖贴膜机，瓶盖封口机，瓶盖灌装封口机等。

FRTB-ZH1

AUTOMATIC TWO-CAP ASSEMBLY MACHINE (CAP COMBINING MACHINE)

瓶盖组合机 (连续式)



CAPACITY 生产能力
6000-10000
PCS/H

FRTB-ZH1

AUTOMATIC TWO-CAP ASSEMBLY
MACHINE (CAP COMBINING MACHINE)

瓶盖组合机 （连续式）

📄 APPLICABLE SCOPE 适用范围

As an ideal and efficient cap assembly machine, it is widely applied in cap factories, packaging factories, food products factories and pharmaceutical factories.

广泛应用于瓶盖厂，包装厂，食品厂，制药厂，是一款理想高效的瓶盖组合设备。

🛡️ PRODUCTION PROCESS 性能特点

Workpiece 1 and workpiece 2 which are arranged in a row enter the conveying unit, and then enter the combining unit of the machine for combination; finally, finished products are discharged from the discharging outlet, thus completing the whole process of cap combination.

生产工序：工件1整理和工件2整理成一行进入输送机构，然后进入主机组合机构进行组合，最后成品计数从出料口出来，完成瓶盖组合的整个过程。

📏 PERFORMANCE PARAMETERS 性能参数

Model	型号	FRTB-ZH1
Cap Size	瓶盖尺寸	20-50mm
Capacity	产量	6000-10000PCS/H
Power	功率	3.5kw
Air	气压	8kg
Weight	重量	850kg
Dimension	外形尺寸	2200x2200x1700mm



FRTB-ZHJ2

AUTOMATIC TWO-CAP ASSEMBLY MACHINE (CAP COMBINING MACHINE)

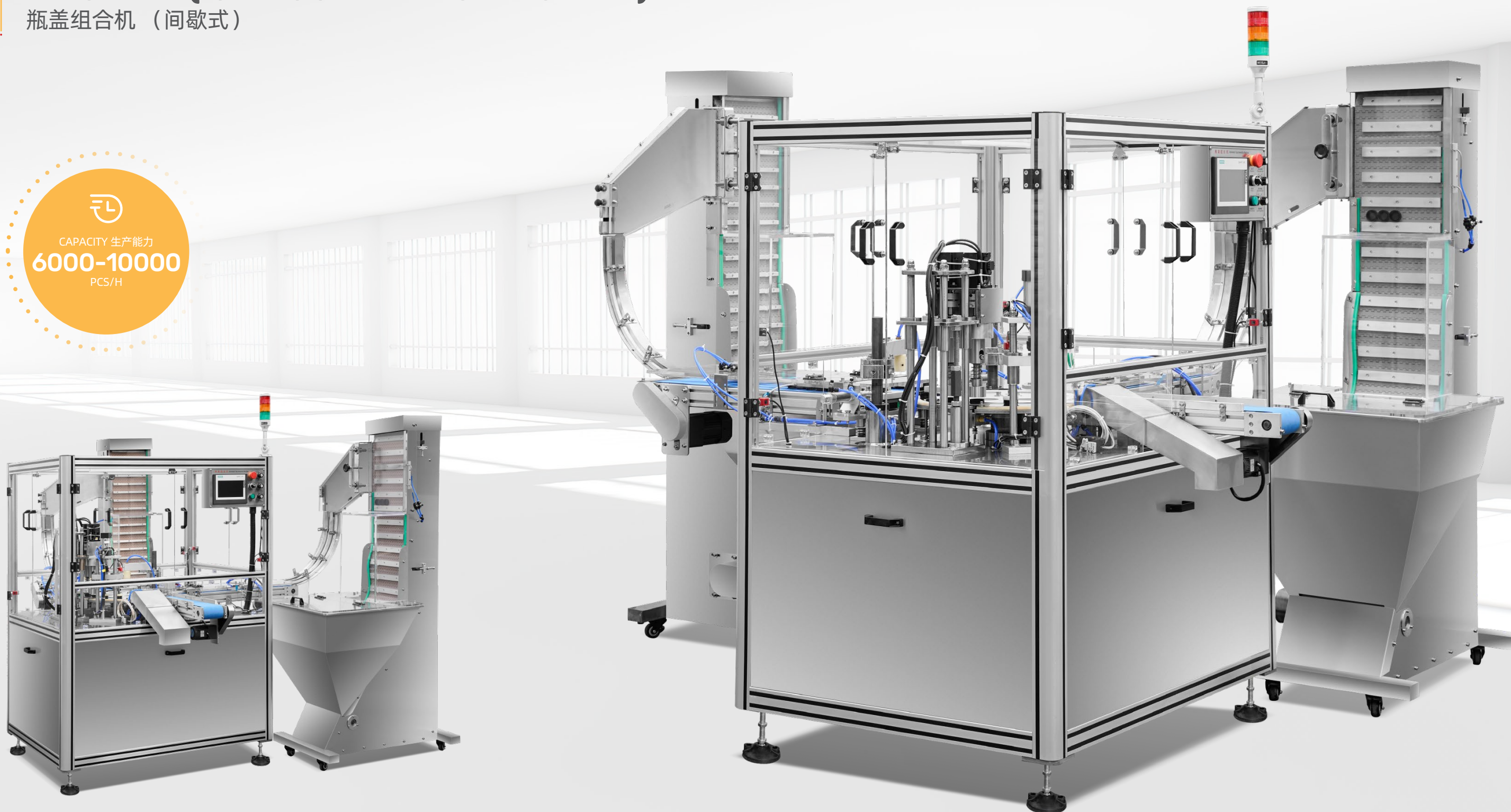
瓶盖组合机 (间歇式)



CAPACITY 生产能力

6000-10000

PCS/H



FRTB-ZHJ2

AUTOMATIC TWO-CAP ASSEMBLY
MACHINE (CAP COMBINING MACHINE)

瓶盖组合机 （间歇式）

📄 APPLICABLE SCOPE 适用范围

As an ideal and efficient cap assembly machine, it is widely applied in cap factories, packaging factories, food products factories and pharmaceutical factories.

广泛应用于瓶盖厂，包装厂，食品厂，制药厂，是一款理想高效的瓶盖组合设备。

🛡️ PRODUCTION PROCESS 性能特点

Workpiece 1 and workpiece 2 which are arranged in a row enter the conveying unit, and then enter the combining unit of the machine for combination; finally, finished products are discharged from the discharging outlet, thus completing the whole process of cap combination.

生产工序：工件1整理和工件2整理成一行进入输送机构，然后进入主机组合机构进行组合，最后成品计数从出料口出来，完成瓶盖组合的整个过程。

⚙️ PERFORMANCE PARAMETERS 性能参数

Model	型号	FRTB-ZHJ2
Cap Size	瓶盖尺寸	20-50mm
Capacity	产量	6000-10000PCS/H
Power	功率	3.5kw
Air	气压	8kg
Weight	重量	850kg
Dimension	外形尺寸	1800x1800x1700mm



FRTB-ZHL3

CAP ASSEMBLY MACHINE

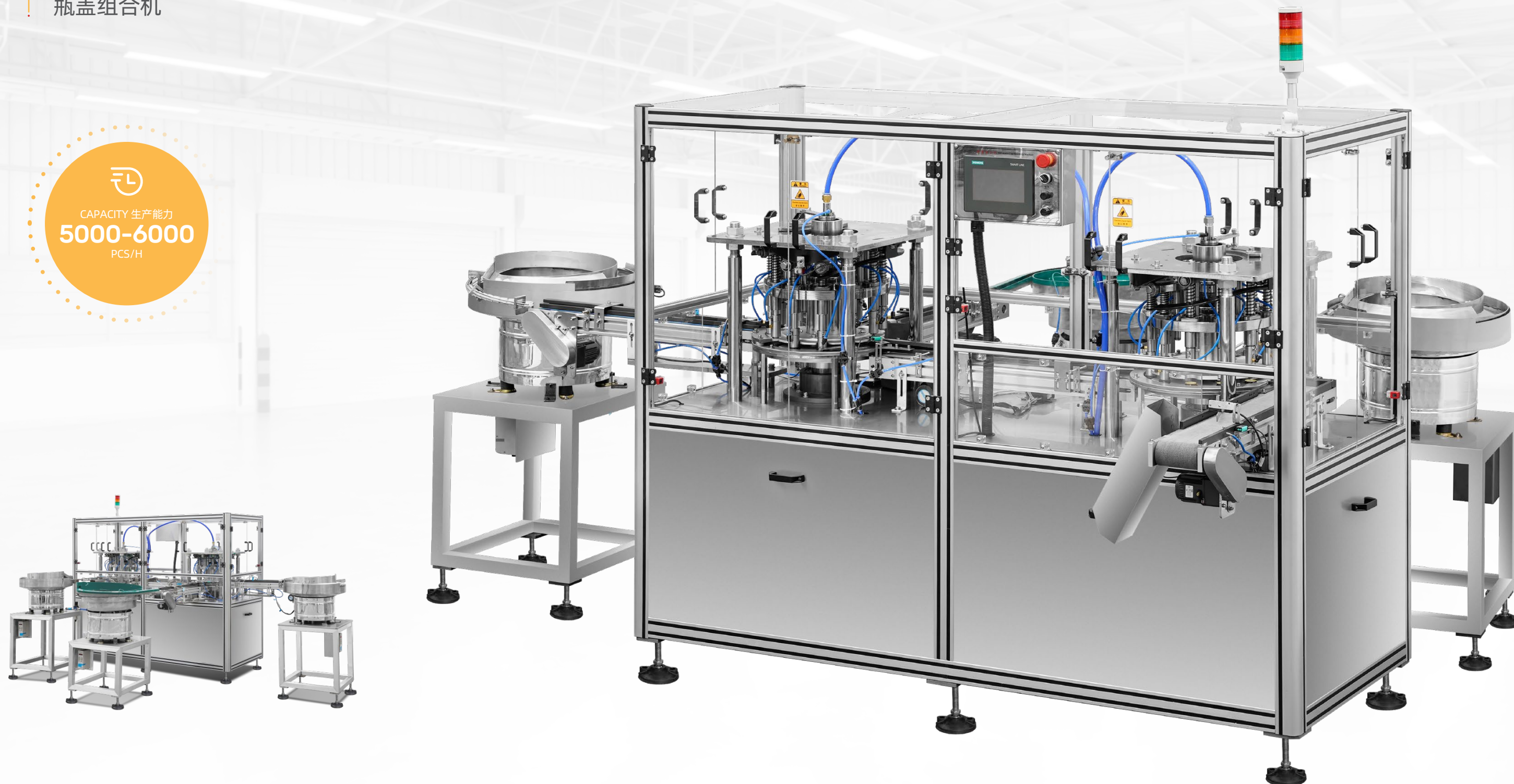
瓶盖组合机



CAPACITY 生产能力

5000-6000

PCS/H



FRTB-ZHL3

CAP ASSEMBLY MACHINE

瓶盖组合机

📄 APPLICABLE SCOPE 适用范围

As an ideal and efficient cap combining machine, it is widely applied in cap factories, packaging factories, food products factories and pharmaceutical factories.

本机广泛应用于瓶盖厂、制药厂、食品厂、日化厂、包装厂等，是一款理想的瓶盖组合设备。

🛡️ PRODUCTION PROCESS 性能特点

Workpiece 1 , workpiece 2,workpiece 3, Each arranged in a row to enter the conveying unit, and then enter the combining unit of the machine for combination; finally, finished products are discharged from the discharging outlet, thus completing the whole process of cap combination. It substantially improve the working effect, and save the labor cost.

生产工序：工件1，工件2，工件3各自整理成一列进入输送机构，然后进入主机组合机构进行组合，组合完成后到下一个工序，最后成品计数从出料口出来，完成瓶盖组合的整个过程，大大提高了工作效率，节约了人工成本。

📏 PERFORMANCE PARAMETERS 性能参数

Model	型号	FRTB-ZHL3
Cap size	瓶盖规格	20-50mm
Capacity	生产能力	5000-6000PCS/H
Voltage	电源电压	220/380v
Power	总功率	3.5KW
Dimension	外形尺寸	3000x2000x1500mm
Weight	重量	900KG



FRTB-ZHJ3

CAP ASSEMBLY MACHINE

瓶盖组合机

📄 APPLICABLE SCOPE 适用范围

This machine is mainly for the assembly of Tetra Pak caps, beverage caps, juice caps, and is widely used in cap factories, pharmaceutical factories, food factories, daily chemical factories, packaging factories, etc. It is an ideal machine for the assembly of caps.

本机主要针对利乐盖，饮料盖，果汁瓶盖的组装，广泛应用于瓶盖厂、制药厂、食品厂、日化厂、包装厂等，是一款理想的瓶盖组合设备。

🛡️ PRODUCTION PROCESS 性能特点

Production process: workpiece 1, workpiece 2 and workpiece 3 are each sorted into a row into the conveying mechanism, then into the main machine combination mechanism for combination, after the combination is completed to the next process, and finally the finished product counts out of the outlet, completing the whole process of cap combination, greatly improving the working effect and saving labour costs.

生产工序：工件1，工件2，工件3各自整理成一行进入输送机构，然后进入主机组合机构进行组合，组合完成后到下一个工序，最后成品计数从出料口出来，完成瓶盖组合的整个过程，大大提高了工作效率，节约了人工成本。

📏 PERFORMANCE PARAMETERS 性能参数

Model	型号	FRTB-ZHJ3
Cap size	瓶盖规格	20-50mm
Capacity	生产能力	3600-5000PCS/H
Voltage	电源电压	220/380v
Power	总功率	3.5KW
Dimension	外形尺寸	3000x2500x1500mm
Weight	重量	900KG



FRTB-SJ1

CAP VISION INSPECTION MACHINE

瓶盖视觉检测机（CCD）

PRODUCTION PROCESS 性能特点

The equipment has been widely used in the inspection of dairy product bottle caps, water beverage bottle caps, daily chemical bottle caps, wine caps, etc. The equipment operation is easy to understand, and equipped with remote testing&comissioning function.

Cap Vision System can be equipped with high-speed, medium-speed and low-speed cap sorting machines, with a maximum detection speed of 300 pcs/min. An overall inspection of top, bottom, inner and outer sides by Cap Inspection. Detection of defects such as deformation, flash, lack of material, black spots, dirt, etc. Plastic Cover Detector is Suitable for all kinds of bottle caps: anti-theft caps, combination caps,butterfly caps, drip caps, aluminum plastic caps, etc.

瓶盖视觉检测机主要应用于检测瓶盖的各种瑕疵，如瓶盖缺口，毛边，黑点，色差，油污，变形等等，可以根据客户的需求来定制。

- 1. Matching waterfall capping machine, from capping to testing to counting and packing can be automated
- 2. The system can detect the deformations, flanges, black dots, missing material, gaskets and other defects in the cap and remove them online
- 3. The top surface, bottom surface, inner/outer wall circumference surface of the cap can be selected
- 4. One machine can detect multiple kinds of products, easy to operate
- 5. Applicable product: various specifications of all caps.



PERFORMANCE PARAMETERS 性能参数

Model	型号	FRTB-SJ1
Cap size	瓶盖规格	10-70mm
Capacity	生产能力	18000-30000PCS/H
Voltage	电源电压	220/380v
Power	总功率	1.5kw
Dimension	外形尺寸	3000x1500x1700mm
Weight	重量	500KG



FRTB-ZHJ1

CAP ASSEMBLY AND LINING MACHINE

瓶盖组合加垫机

📄 APPLICABLE SCOPE 适用范围

As an ideal and efficient cap assembly and lining machine, it is widely applied in cap factories, packaging factories, food products factories and pharmaceutical factories. It is applied to inner-outer cap , child resistant closure,health care health care products cap,etc.

广泛应用于瓶盖厂，包装厂，保健品厂，制药厂，是一款理想高效的瓶盖组合加垫设备。适用于内外盖，安全盖，保健品盖等

🔧 PERFORMANCE PARAMETERS 性能参数

Model	型号	FRTB-ZHJ1
Cap size	瓶盖规格	20-50 mm
Capacity	生产能力	5000PCS/H
Voltage	电源电压	220/380v
Power	总功率	1.5KW
Dimension	外形尺寸	2000x2000x1500mm
Weight	重量	800KG

🛡️ PRODUCTION PROCESS 性能特点

Outer cap and inner arranged in a row to enter the conveying unit, and then enter the combining unit of the machine for combination; then insert the Liner(wadd) into the combined caps. finally, finished products are discharged from the discharging outlet, thus completing the whole process of cap combination and liner insert.

生产工序：内盖整理和外盖整理成一列进入输送机构，然后进入主机组合机构进行组合加垫工序，同时检测内盖和垫片，成品计数从出料口出来，完成瓶盖组合加垫的整个过程。



FRTB-GZJ4

DESICCANT DRYER FILLING SEALING MACHINE

干燥剂灌装封口机



📄 APPLICABLE SCOPE 适用范围

This equipment is used for moisture-proof cap and effervescent tablets bottle cap to realize functions such as: automatic cap sorting, silica gel (molecular sieve) filling, seal liner die cutting and inserting, silica gel tank heat sealing, product counting, finished product discharging, NG cap rejecting, removing particle desiccant at exit by rolling-turn vibrater.

本设备用于实现防潮盖，泡腾片瓶盖的自动理盖、自动灌装干燥剂（分子筛）、纸垫自动冲压及自动装配、瓶盖内胆热封缩口、产品计数、成品出料、废品剔除，出口翻转振动剔除颗粒干燥剂等功能。

📊 PERFORMANCE PARAMETERS 性能参数

Model	型号	FRTB-GZJ4
Cap size	瓶盖规格	20-50 mm
Capacity	生产能力	3600-4000PCS/H
Power	总功率	5.5KW
air	气压	8kg
Dimension	外形尺寸	3800x2900x2200mm
Weight	重量	1200KG



FRTB-SD2

AUTOMATIC CAP LINER CUTTING AND INSERTING MACHINE

全自动垫片冲裁入盖机

📄 APPLICABLE SCOPE 适用范围

This machine is an ideal liner inserting machine which is widely applied in cap factories, liner factories, pharmaceutical factories, food products factories, daily chemical factories, packing factories, etc..

本机广泛应用于瓶盖厂、垫片厂、制药厂、食品厂、日化厂、包装厂等，是一款理想的入垫设备。

🛡️ PRODUCTION PROCESS 性能特点

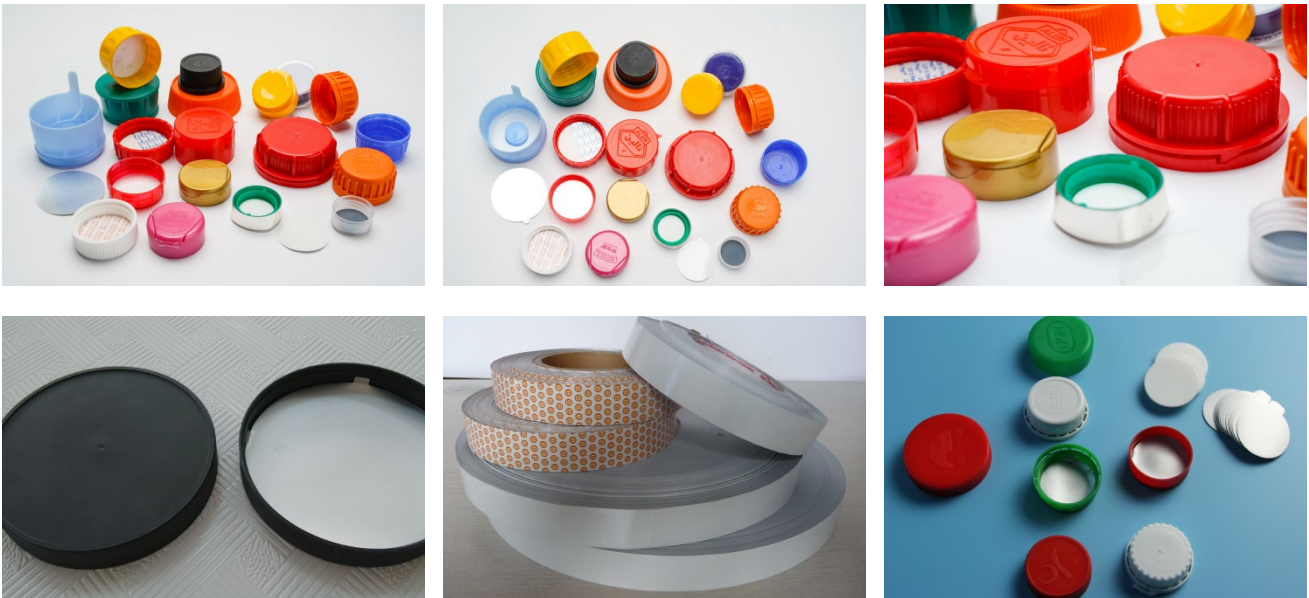
Operation principle: cut the reeled liner materials into specified size and simultaneously insert the pre-cut liner into the cap; finally, the liner pressing unit press the liner to the bottom of the cap. This is the whole process of simultaneous liner cutting and liner inserting.

Production process: lifting the caps — arranging the caps — conveying the caps — cutting and inserting the liner — counting the caps — discharging the caps.

工作原理：将卷筒的垫片材料按规定的尺寸冲切，并将同时冲切下来的垫片塞入瓶盖，最后由压垫装置把垫片压到瓶盖底部，完成了同时垫片冲压和垫片入盖的全过程。

⚙️ PERFORMANCE PARAMETERS 性能参数

Model	型号	FRTB-SD2
Cap size	瓶盖规格	20-40/40-80 mm
Capacity	生产能力	120 个
Voltage	电源电压	220/380v
Power	总功率	4KW
Dimension	外形尺寸	3000x1500x2300mm
Weight	重量	1100KG



FRTB-HG1

CAP CLOSING MACHINE

瓶盖合盖机

APPLICABLE SCOPE 适用范围

It is an ideal cap closing machine applicable for cap factories, packaging factories, food products factories and daily chemical factories. It is mainly for caps of the following types: flip-top caps, oil bottle caps, vinegar bottle caps, cosmetic caps, etc.

瓶盖合盖机是瓶盖厂，包装厂，食品厂，日化厂理想的合盖设备
主要针对瓶盖类型：翻盖，油瓶盖，醋盖，化妆品盖等

PERFORMANCE PARAMETERS 性能参数

Model	型号	FRTB-ZHJ1
Cap size	瓶盖规格	20-50 mm
Capacity	生产能力	6000 个
Voltage	电源电压	220/380v
Power	总功率	3kW
Dimension	外形尺寸	2000x1500x1500mm
Weight	重量	800KG



PRODUCTION PROCESS 性能特点

The cap closing machine is a kind of automation equipment developed for attached flip-top caps which are not closed after going through injection molding. The attached flip-top caps must be closed prior to being used by manufacturers. Manual cap closing features low speed, low efficiency and unsatisfactory closing effect; as a result, the costs of manufactures increase. Therefore, our company has independently developed the cap closing machine to fill the vacancy in this field in the market. Production process: the flip-top caps are arranged by the vibrating disc and then enter the conveyor line along a certain direction; then, they are conveyed to the main unit for closing; lastly, the finished caps are counted and discharged.

瓶盖合盖机是针对连体翻盖而开发的一种自动化设备。连体盖注塑出来后还是没合拢，必须对连体翻盖进行合拢才能厂家使用，由于手工合盖速度慢，效率低，合盖效果不到位，造成生产厂家成本增加。



FRTB-SD3-C

CAP WADDING MACHINE

全自动瓶盖加垫机

APPLICABLE SCOPE 适用范围

This machine is an ideal cap liner inserting machine which is widely applied in cap factories, liner factories, pharmaceutical factories, food products factories, daily chemical factories, packing factories, etc..

本机广泛应用于瓶盖厂、垫片厂、制药厂、食品厂、日化厂、包装厂等，是一款理想的垫片入盖设备。

PERFORMANCE PARAMETERS 性能参数

Model	型号	FRTB-ZHJ1
Cap size	瓶盖规格	30-50 mm
Capacity	生产能力	160 个
Voltage	电源电压	220/380v
Power	总功率	1.5kW
Dimension	外形尺寸	2500x1500x2300mm
Weight	重量	700KG



PRODUCTION PROCESS 性能特点

Automatic cap mechanism: lifting the caps, arranging the messy caps and outputting them so that all caps are facing upwards;
Cap transfer mechanism: transferring the sorted caps to the gasket-in-cap mechanism in an orderly and accurate manner;
Gasket-in-cap mechanism: Gaskets are inserted into the caps, completing the gasket-in-cap action.
Gasket reverse or no gasket rejecting mechanism: automatically rejects bottle caps with reverse gaskets or no gaskets to ensure that all caps are qualified.

自动理盖机构：提升理盖，将凌乱的瓶盖排列输出，并使所有瓶盖盖口朝上；
瓶盖输送机构：将理好的瓶盖有序、准确地输送至垫片入盖机构；
垫片入盖机构：垫片塞入瓶盖，完成垫片塞入瓶盖动作。
垫片反片、无片剔除机构：将瓶盖里是反面垫片或无垫片的瓶盖自动剔除，保证所有瓶盖都是合格品。

