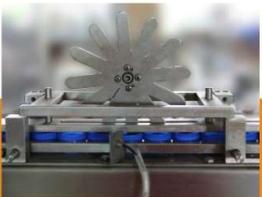


The Plastic Caps Slitter



The SQH series perform slitting process of the temper-evidence (T/E) band for injection or compression closures. The machine process is from sorting → slitting → counting → packing and is fully automatically .



The Plastic Caps Slitter

The Features of Product

- ☞ 结构设计紧凑、合理，运行连续稳定；
Machine is compact and reasonable design and with continuously stable movement;
- ☞ 切环出来的塑料瓶盖符合断桥力和封盖测试；
The slitted closure plastic lids which come out from slitter conform to the strength of breaking marks and the test of sealing lids;
- ☞ 具有计数、报警和自动转换装箱功能，操作十分方便；
This machine shall also perform counting process and equip automatic switching device in handling two boxes at one time. Alarm shall also be on as one of the boxes is full.
- ☞ 更换配件和维护极为方便；
It is designed in very convenient for replacing parts and conducting the machine maintenance;
- ☞ 低成本、高效、卫生、高质量；
Low running cost, highly effective, hygienic and high finished product quality;
- ☞ SQH 系列可满足各种规格塑盖和速度的生产；
The SQH series satisfy kinds of specification plastic lids and kinds of speed of product;
- ☞ 与其它注塑、印刷等机联线可实现完整的塑盖生产线；
Unite the line with other closure injection or compression system, printing machines may realize the integrity plastic closure production line;
- ☞ 本系列机（线）由PLC控制，变频调速，自动化程度高。
The machine sequence is controlled by PLC, inverter for the speed control and can operate fully automatically.

型号Model	SQH-8	SQH-10	SQH-15
速度Speed	600-1100	1200-1500	2200-3000
适用瓶盖 Applicable Cap	直径 Diameter 25mm-48mm 高度 Height 16mm-24mm		
电压等级 Voltage Level	220V/380V 50Hz		

Preforms Inspection
& tail cutting machine



将瓶胚自动整列后有序进入剪尾机，将瓶胚多余的注射料去除，并带有瓶胚检测功能，根据客户要求配置不同的检测，有效保证瓶胚的质量。

The preform line after ordered into the tail cutting machine, then remove the extra material of the tail, and with the bottle detection function, based on the customer's requirements, we can provide different configuration of inspection, effectively ensure the quality of preform.

Smart Cap assembly machine



适用于五加仑水瓶盖，此机将聪明盖和内塞自动排序组装在一起，彻底解决以往人工装配产量低和污染的局面。

This machine is specially design for assembly smart cap of 5 gallon bottle. With the fully automatic assembly process, it increases the production efficiency and eliminates the manual assembly pollution.



Smart Cap assembly machine



Product specialty

- 设计非常优化合理，运行连续稳定；
With excellent logical design, machine can perform stable production.
- 具有自动理盖功能，将聪明盖和内塞一次组装完毕；
Our fully automatic sorting system can sort out the shelf cap and inside plug. Hence the one step assembly can be completed.
- 可配合注塑机的产量来设计辅助设备输送带速度；
The speed of down stream conveying system can be design according to injection system's production rate.
- 可根据用户使用不同瓶盖而设计生产；
Our machine assembly process can base on customer's different cap design
- 可以与其它注塑、聪明盖自动加垫机、聪明盖自动贴膜机实现完整的聪明盖生产线；
This machine can works inline with the liner machine in order to complete a liner smart cap assembly process.
- 本系列机（线）由PLC控制，变频调速，自动化程度高。
This machine is controlled by PLC, inverter and full automatic design.



**Smart cap automatic
liner applicator**



This Smart cap automatic applicator is designed for applying liner into the 3.5 gallon water bottle smart cap. Liner of the cap is applied into the smart cap automatically. Hence, with our machine, the smart cap shall improve the hygiene level and increase product consistency in cap sealing performance.



Smart cap automatic liner applicator

Product specialty

- 具有自动理盖功能，通过风送和皮带输送相结合，最后通过带间隔的链条输送到加垫位置，理盖顺畅、定位准确、盖损失率低；

Caps are in feed by fully automatic cap sorter. In synchronizing the air and belt conveying system, liner is feeding into the machine by chain with separator. This shall provide smooth sorting and accurate positioning for assembly which can also reduce the scrap rate of the cap tremendously.

- 通过精确的气、电控制的机械手，完成取垫、送垫、加垫功能；取垫稳定、加垫卫生、能耗低；

With high accuracy air and electric control robot, the picking, delivering and applying function shall be conducted. So high accuracy picking, improving hygiene's level and reducing energy consumption are provided.

- 设有加垫仓，操作人员只需将整齐齐整的垫加到垫仓即可，采用气动装置送垫，力量均匀；

Without using storage bins for liners, stacks of liners can just be loaded into machine by operator. By using air conveying design for delivering the liners, the smooth and even in feeding force can be provided.

- 本机设计精巧、使用方便，自动化程度高，大大节约了企业劳动力成本；

With high precision design, user friendly control and fully automatic operating, the labor cost can highly be reduced.

- 本机设计与聪明盖、垫接触的零部件均用不锈钢材料，完全符合食品卫生生产要求；

All parts which contact with liner is made by stainless steel which up to the food processing standard requirement.

- 本机可以和聪明盖注塑机、聪明盖自动组装机、聪明盖贴膜机及输送系统组成完整的聪明盖自动生产线。

This machine can also synchronized with smart cap injection system, assembly machine, top film applying machine and also with associated conveying system to form a complete automatic smart cap production line.

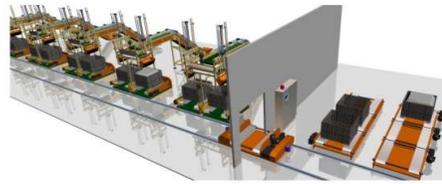
RGV

RGV shuttle vehicle



RGV穿梭小车系统将装满物料的成品箱自动输送到指定地点，同时，此系统会将空物料箱自动补充到空工位处，大大减少人工成本和车间的污染，有效保证生产车间的洁净。

The RGV shuttle vehicle will transport the finished cage/carton to designated locations automatically. It can automatically add the empty cage/carton to the spare station also. The labor cost and the workshop pollution is greatly reduced, effectively ensure the production workshop clean.



RGV
RGV shuttle vehicle



Features

- 双头瓶胚装箱机可选配带称重或者吊篮双向移动功能，装箱更加准确与均匀；
The twin head preform soft dropped machine can be equipped with weighing or a bidirectional movement function, the packing is more accurate and even.
- RGV穿梭小车速度最高可以达到60米/分钟，快速，双安全装置使设备运行更可靠；
RGV shuttle Vehicle speed can reach 60m/min. The double safety device makes the vehicle more reliable in operation.
- 成套设备自动化程度高，控制精准；
The set of equipment is configured with high level of automation and control precision.
- 扩展功能方便，可以按客户要求个性设计、订做。
It's convenient to extend the function of the system and to be customized according to their requirements.



Beverage Closures

- 系统方案设计
System Scheme Design
- 数盖装箱机
Counting and Packer Machine
- 塑盖检测机
Inspection Machine
- 激光打标机
Laser Printing System
- 切环机
Slitting Machine
- 折边机
Folding Machine
- 冷却机
Cooling Machine
- 理盖机
Sorting Machine



食品/五加仑系列瓶盖

Food/ 5 gallon Closures

- 测漏组合机
Inspector & Assembly Machine
- 气密检测机
Air Tightness Test Machine
- 两片盖组合机
Assembly Machine for two-piece Cap
- 加垫机
Liner Applicator
- 内塞组装机
Assembly Machine
- 贴膜机
Sealing Machine



Bottles / Preforms Machine

- 空瓶装箱机
Empty bottle Packing machine
- 瓶胚检测机
Inspection Machine
- 自动小车系统
RGV Shuttle Vehicle
- 正压房
Pressure Room
- 瓶胚组装机
Soft Drop Machine
- 理胚机
Sorting Machine

饮料瓶盖

Beverage Closures



两片盖组合机

Assembly Machine for Two-piece Cap

激光打标机

Laser Printing System



折边机 Folding Machine



数盖装箱机

Counting and Packer Machine



切环机

Slitting Machine

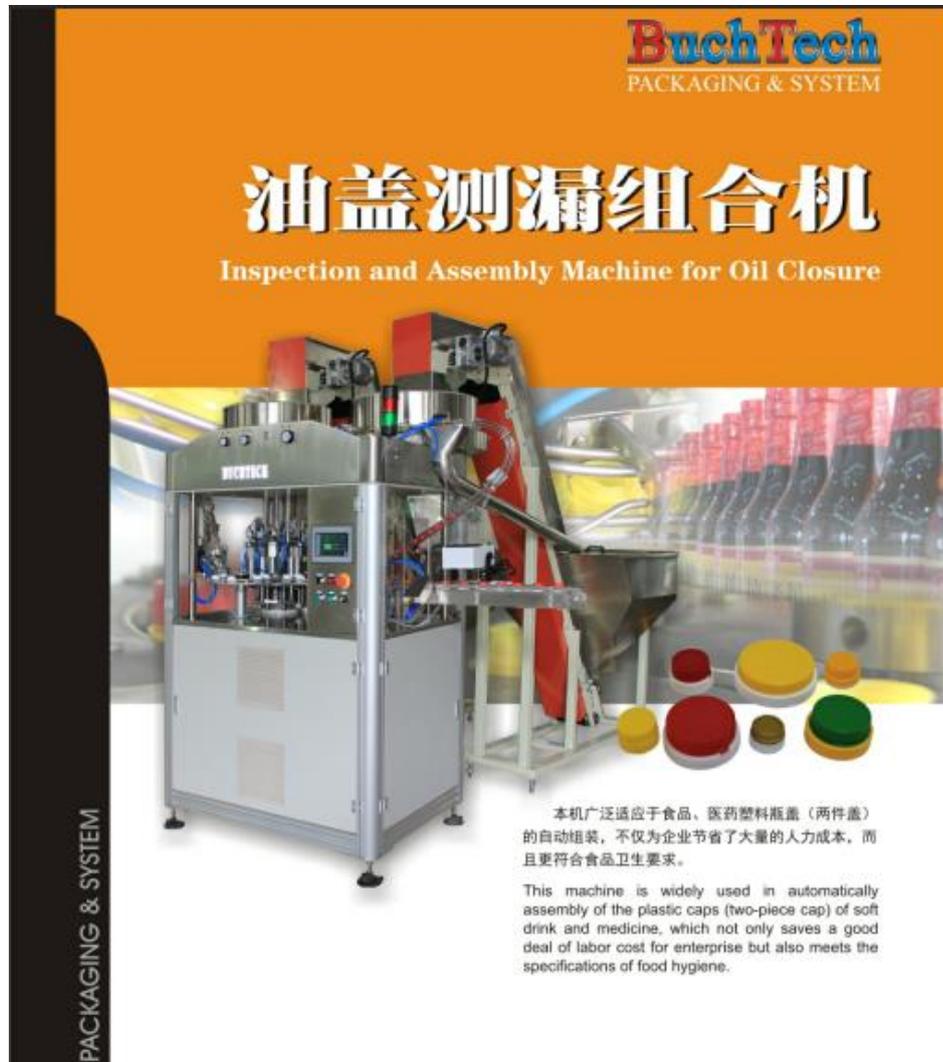


塑盖检测机

Inspection Machine



Oil cap combination machine and leak detection combination machine



introduction and composition of the equipment

1. Plastic cap cover leak detection combination machine equipment introduction and composition:

The plastic cap cover leak detection combination machine is composed of a leak detection combination machine main body, a lower cover conveyor, an upper cover conveyor and an electric control cabinet. The output of this machine is about 10,000/hour (the speed will vary depending on the structure and size of the cap). The basic overview is as follows:

Plastic cap cover leak detection combination machine XCG9/6: The main machine adopts the continuous type of leak detection combination, and the upper and lower covers are separately arranged by the rotary cover device, wherein the lower cover directly adopts the centrifugal cover, and the upper cover is positive Anti-identification of

new technologies to cover. The lower cover is sealed by clean compression air, and the sealing ring of the lower cover is judged according to the set sealing requirements, and the unqualified lower cover is directly removed. For the qualified lower cover, the upper cover is spun and assembled, and the spinning process is completed by two steps of preloading and selecting and combining the upper and lower covers. Finally, the height detecting device of the combined cover is determined by the electric eye to judge whether the cover is qualified or not, and the unqualified cover is removed; the outlet is equipped with a plastic cover static elimination device to perform static elimination and cleaning treatment on the plastic cover, and finally the qualified cover is counted. Separation device. The complete machine is equipped with a complete electrical control system and is truly highly automated. Win-sun is used for reducer, SICK is used for photoelectric switch, SIMENSE is used for air switch and contactor, and AIRTAC brand is used for pneumatic original.

2、 Plastic cap cover combination machine equipment introduction and composition:

The plastic cap cover combination machine XG-6 is composed of a cover machine, a combination machine main unit, a lower cover conveyor, an upper cover conveyor and an electric control cabinet. The output of this machine is about 10,000 / hour (depending on the structure and size of the cover), the basic overview is as follows:

Plastic cap cover combination machine XG-6: The main machine has 3 sets of geared motors, rotary cover device, rotary cap assembly, and finally the height detection device of the combined cover by the electric eye to judge whether the cover is qualified or not. The culling is carried out; the plastic cover is used to remove the static electricity and the cleaning process is performed, and finally the qualified cover is counted and binned. The complete machine is equipped with a complete electrical control system and is truly highly automated. Win-sun is used for reducer, SICK is used for photoelectric switch, SIMENSE is used for air switch and contactor, and AIRTAC brand is used for pneumatic original.

Note: The above equipment is suitable for a bottle cap. If you want to adapt to other similar caps, the cost of changing the workpiece will be changed.

3、 Lift conveyor STK200: The upper cover and the lower cover are respectively delivered to the main unit.

Equipment technical parameter table:

product name	Plastic cap cover leak detection combination machine & plastic cap cover combination machine
Product number	XCG9/6&XG-6
capacity	8000-10000pcs/hour the speed will vary depending on the structure and size of the cap
power supply	380V/3P/50HZ,3P+N+PE
Installed capacity	6KW

power consumption	4KW Does not include air compressors and vacuum pumps
Compressed air	Air source pressure 0.6Mpa Air consumption 1200l/min
Host size (L*W*H)	~3800*1500*2400 (L*W*H)
Host weight	<1000kg

Main equipment configuration:

Category	Name	Brand
Electric appliance	PLC	Mitsubishi brand
	touch screen	proface
	Frequency converter	Mitsubishi / Danfoss
	Low Voltage Distribution	Siemens / Schneider
	Photoelectric switch	KENYEC/SICK
	Hoist motor	Win-sun
	Main drive reducer	SEW/siemens
Leak test original	Leak test pressure gauge	FESTO
pneumatic	Cylinder	AIRTAC
	Electromagnetic valve	AIRTAC
	Magnetic switch	AIRTAC