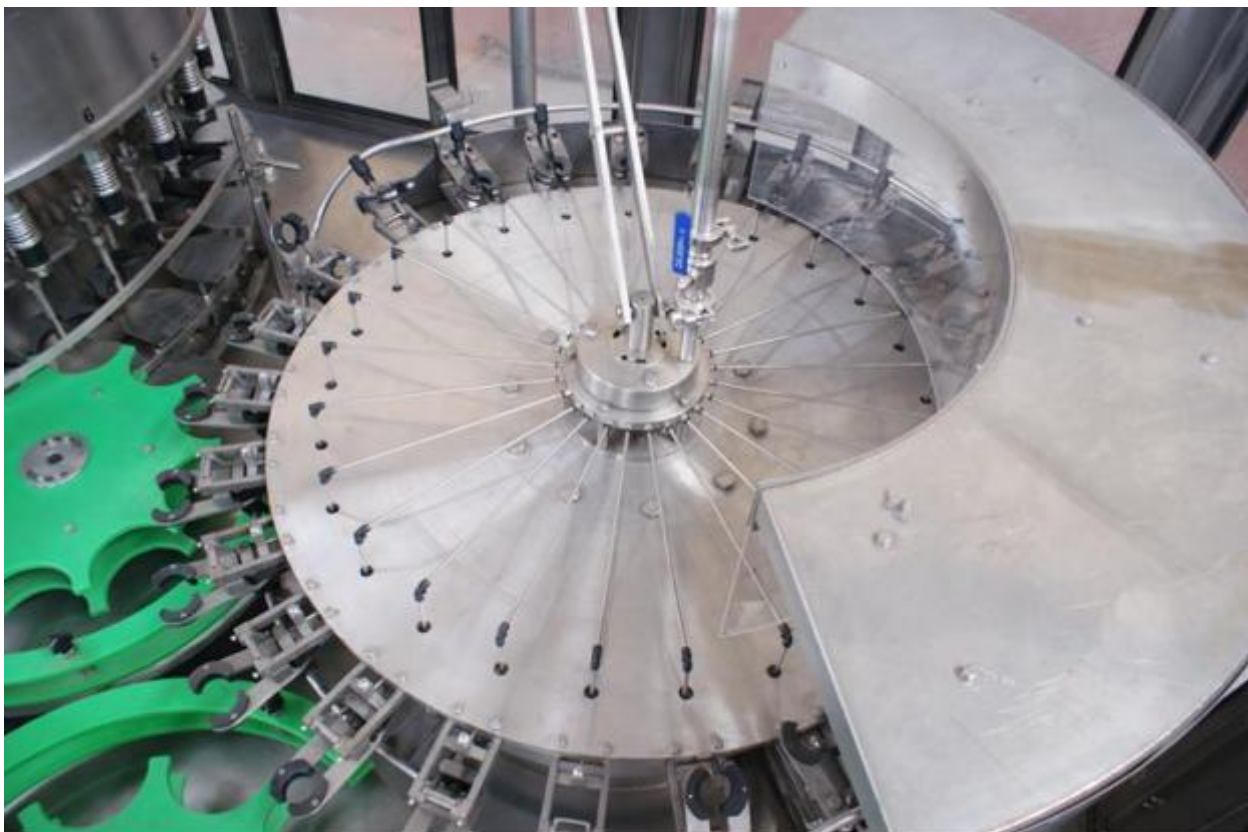


Note: All Pictures In the Following Descriptions Are For Your Reference

三.3 in1 filling machine picture



1.Rinsing machine





USE conveying screw into the bottle and the bottle into the thumbwheel direct-connect technology, by the bottle feeding steel thumbwheel sent directly to the washing bottle machine. The bottle transmission are all made of palm technology, transform bottle shape does not need to adjust equipment, only need to replace the arc guide plate, associated with the bottle diameter changing bottle shape need to replace a small amount of star wheel, arc guide plate can be realized

2.Filling machine

The bottles are lifted by cylinder at the time of filling, with smooth and reliable operation. Compressed air go through the inlet distributors into the lift cylinder, at the time working, tracheal inject the compressed air cylinder into A cavity, make the cylinder rises, and the bottle mouth will rise to pen filling valve , then start filling. When set to filling liquid level, filling air return inlet is blocked by product to finish filling. Then cylinder goes down under the action of cam, then this time the air in B cavity will be discharged by the venting screw.



3.Capping machine



Then bottles are transferred into the capper by a neck handling star wheel. Anti-rotation blades on capping heads will seize the neck of bottle to prevent it from rotation and hold it in a upright position. The twist-on capping head will make revolving and rotating movement along with the machine to finish the complete capping process of cap picking, placing, twisting and disengaging under the control of a cam. Capping head adopts magnetic constant torque device, at the time of taking caps by cap division disk, cap holding sleeve will hold the cap and make it upright, that set against the lid, centralizer lid, in order to ensure that the caps at the correct position of capping mould, and guarantee the capping quality. After the completion of capping, the capping overcome sliding of magnetic spin, and won't damage the cap, and the capping head rises so that the capping screw rod will eject the caps from the capping mould.

4.Main technical parameters:

Model	XGF14-14-4
Working stations	Rinsing 14, filling 14,capping4
Capacity	2000B/H(5L)
Air source pressure	0.4MPa
Air consumption	0.7m ³ /min
Rinsing water pressure	0.2-0.3MPa
Rinsing water consumption	2.5T/h
Man motor power	2.5KW
Dimension	3900×3123×2700
Total weight	3000kg

5.Main configuration:

S/N	Name	Brand	Remarks
1	Stainless steel	Korean	304、
2	Main motor	/	
3	Inverter	MITSUBISHI	

4	PLC	OMRON	
5	Touch screen	DIGITAL	
6	Contactora	SCHNEIDER	
7	Thermo- relay	SCHNEIDER	
8	Air-break switch	SCHNEIDER	
9	Proximity switch	TURCK	
10	Photoelectric switch	BANNER	
11	Air circuit system	SMC	
12	Water pump	Southern	

四 Cap elevator



Parameters: Model: SG—

00 Fan:380V、0.55KW

Vibration motor:380 V、60W

Dimension :1200×700×1310(长 L×宽 W×高 H)

五. Cap sterilizer



Parameters

Rinsing time of the machine: $\geq 15S$

Capacity: 24,000 个/小时 pieces/hour

Ozone water pressure : 0.2MPa, Water consumption: 2m³/hr

七. Adhesive Labeling Machine

Introduction:

BST— 100L Intellectual Labeling Machine is controlled by the PLC, HMI and servo drive labeling. The machine is easy to operate and has helping function and fault indication function. It is suitable for the self-adhesive labeling of round bottles





Main Technical Parameters:

- ◆ Machine Size: 2800 (L) × 1650 (W) × 1500 (H) mm
- ◆ Output Speed: 60-100pcs/min
- ◆ Hight Label Object: 30-350mm
- ◆ Thickness Label object: 20-120mm

- ◆ Label Hight:5-180mm
- ◆ Label Length:25-300mm
- ◆ Pastes the sign precision:±1mm
- ◆ Roll inside Diameter:76mm
- ◆ Roll Outside Diameter:420mm
- ◆ Power Supply:220V 50/60HZ 3.5KW
- ◆ Air source:5Kg/c m²

machine weight:450Kg

Allocation:

No.	Name	Origin	Remarks
1	PLC CPU	Mitsubishi	
2	Servo System	DELTA	
3	Touch Screen	WEINVIEW	
4	Frequency Converter	DELTA	
5	Rotary Encoder	Omron	
6	Sensor	LEUZE	
7	Switch	Schneider	

8	Motor	Taiwan	
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八. Automatic Bottle Handle Applicator machine

1: Technical flow chart

Handle elevator- Handle Unscrambler (1 sets) – Handle conveyor – sleeve the ring to the bottle neck—first pressing of pull-ring - the second pressing of ring – complete and deliver to next process

2: Technical parameters

Capacity: 1500BPH

Bottle shape: All kinds of PVC、PP、PET bottles with the volume more than 2L

Air pressure: 0.6~0.8Mpa

Air consumption: 1200L/min

Total power: 4.5kW

Dimension: Main machine 1. 1800×1800×2100mm, 2. 1200×900×2000mm

Space : 5000mm X 2300mm

Weight: Around 1200kg

3: Main configuration

Frame and cover plate made of stainless steel N304 material

Gear motor is well-known brand product: SEW Germany

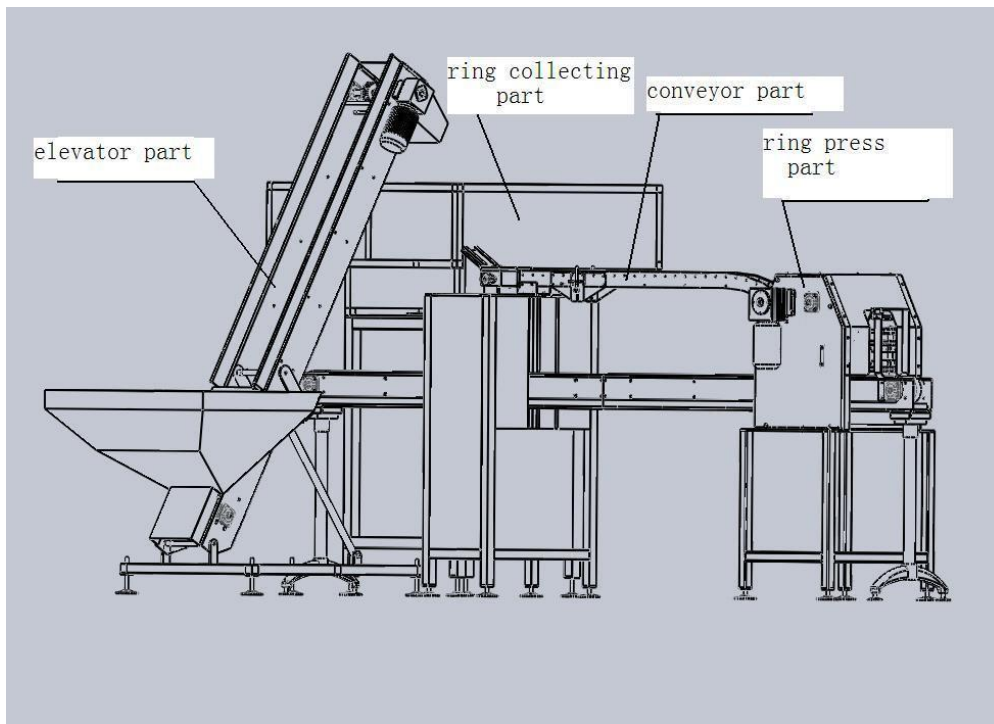
Danfoss Inverter, PLC program controller SIMENS products from Germany

4. Features details

The machine apply aluminum alloy with oxidation treatment and the SUS quality stainless steel manufacturing, more durable architecture, and corrosion resistance. Simple and practical structural design and strive facilitate adjust and operate to replace the bottle and put the ring. In electrical control, man-machine interface and PLC control, but also with multiple servo motor and photoelectric switch control, so that the whole operation is simple, the operation is more stable and accurate.

Equipment Structure

This machine is mainly composed of elevator part, ring collecting part, lost ring part and the pressure ring components.

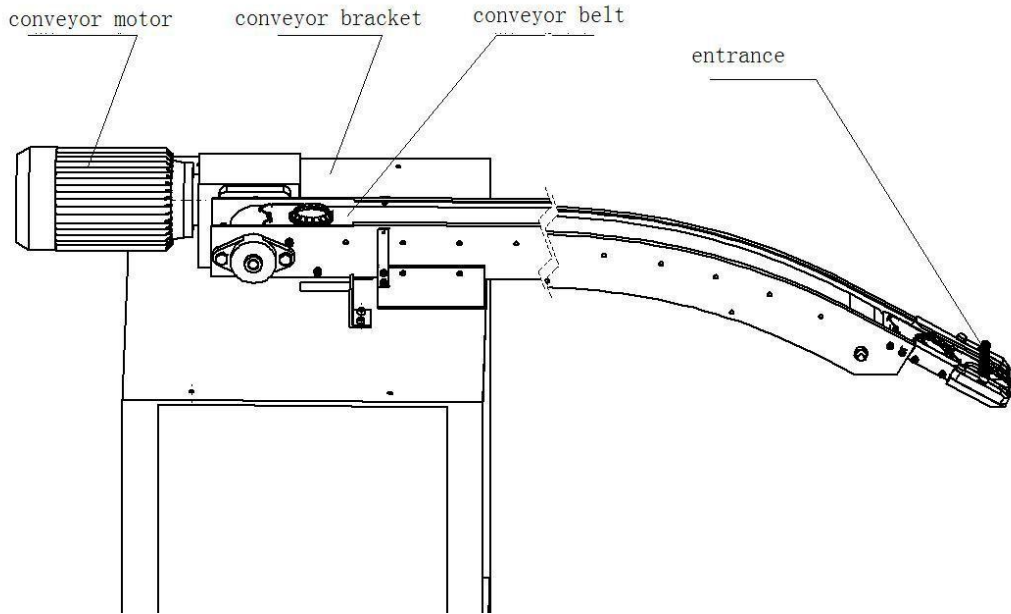


Working principle

Ring collecting part

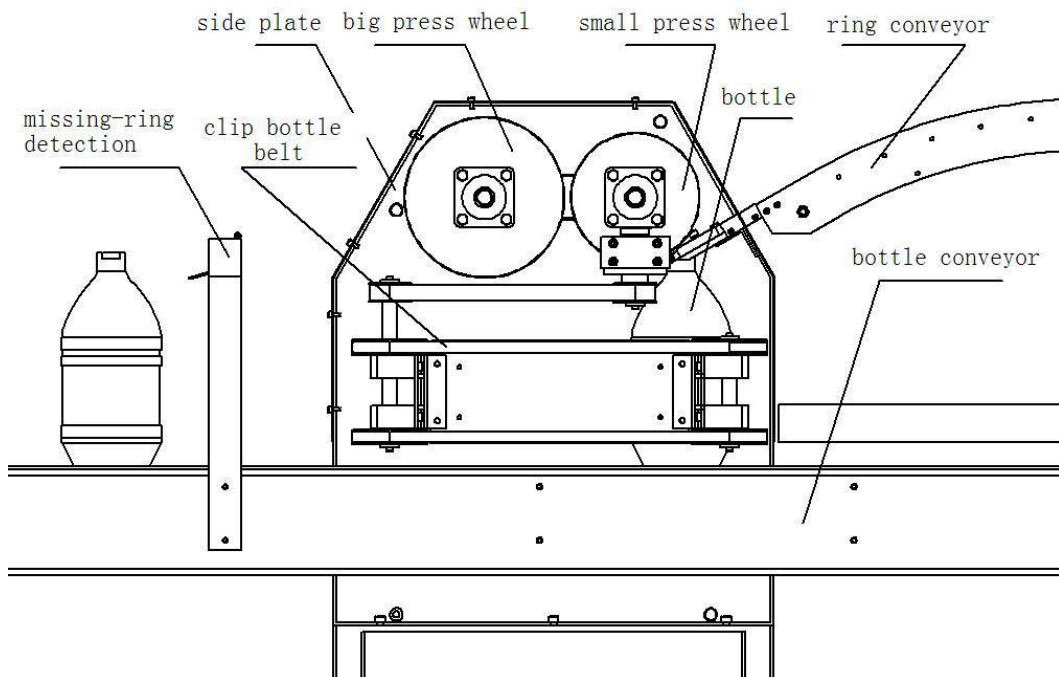
This section includes a bracket, guardrail, vibration plate and out-ring port. The ring fallen from hoist spout, it out transport by the centrifugal machine according to a certain direction

Ring conveyor part



This part of the conveyor belt is mounted in the conveying holder, Conveyor belt forward by the motor driven, when ring drops from the processing ring portion onto the conveyor belt, it will transfer at the entrance, then jaw blocked by parked and waiting for the bottle to pull. The conveyor belt has remained rotation ensure the ring continued feeding.

Ring pressure part



The ring stays at the entrance, when bottle feeding, put the ring away to stay there, then, folder bottle belt and conveyor line driven. First through the small wheel, put the ring pressed into the bottle half the position and move on to the big pressure wheel, pressure roller and clip bottle belt are driven by the side panel motor , pressure ring procession ended after finished the pressing ,there is a missing link at the exit, it will alarm when no ring detected

5. Photo:







6: Spare parts list

item		Descriptions	Installation qty	Recommen d qty	remark
1		Timing belt	piece	1	
2		Timing belt	piece	1	
3		V-belt	piece	4	
4		V-belt	piece	2	
5		Bearing	pcs	10	
6		Sensor	pcs	5	
7		Special parts	pcs	20	
8		Electrical parts	pcs	5	