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PROJECT OFFER

张家港市裕丰饮料机械有限公司

ZHANGJIAGANG CITY YUFENG BEVERAGE MACHINERY CO.,LTD.



Price list

Item	Name of machine	Model	Dimension (mm)	Qty.	Price
Part 1: non-carbonated drink bottling					
1	Monoblock 3 in 1 washer-filler-capper unit (with 3 drain holes, electric box washable with american standard, UL certified electrical componenents, 208V, 60HZ, 3Phase)	CGF8-8-3	2700*2100*2100	1 set	18,000
	CIP valve washing system	/	/	1 set	500
	Cap lifter	/	/	1set	1000
	Another Cap change part	/	/	1set	1,600
	Different bottle change part	/	/	3 sets	3,600
2	Online bottle rinser with one 0.37KW water pump	XG-1	1500*300*1500	1 set	800
3	bottle dryer with one 7.5KW fan blower	CG-2	1000*600*1800	1 set	3900
4	Conveyor belt	12'	4 meter	1 set	800
		8'	3 meter	1 set	600
5	Belt motor	0.75KW	208V, 60HZ, 3Phase	2 sets	700
6	Rotary glass bottle sorting table	YFL-1	1420*960*1320	2 set	3666
7	Automatic shrink sleeve labeling machine	TB-150	850*800*2000	1 set	13,500
	Steam shrink tunnel	SB-1200	1200*450*1850	1 set	
	Steam generator	18KW	630*550*1400	1 set	
	Bottle change parts	/	/	4 sets	400
8	speed control romote 5HP pump	5HP	/	1 set	1470
Total amount: USD EXW				50,536	

1.1 washing-Filling-Capping 3 in 1 machine



The equipment is used in production of non-soda drink of mineral-pure water packed in polyester bottles. Washing, filling and capping are integrated in one machine.

The most advanced technology from Japan and Germany is employed in the design. The gravity fixed liquid surface filling is used. The filling is fast, the amount of liquid is accurately controlled and the dropping and leakage are avoided.

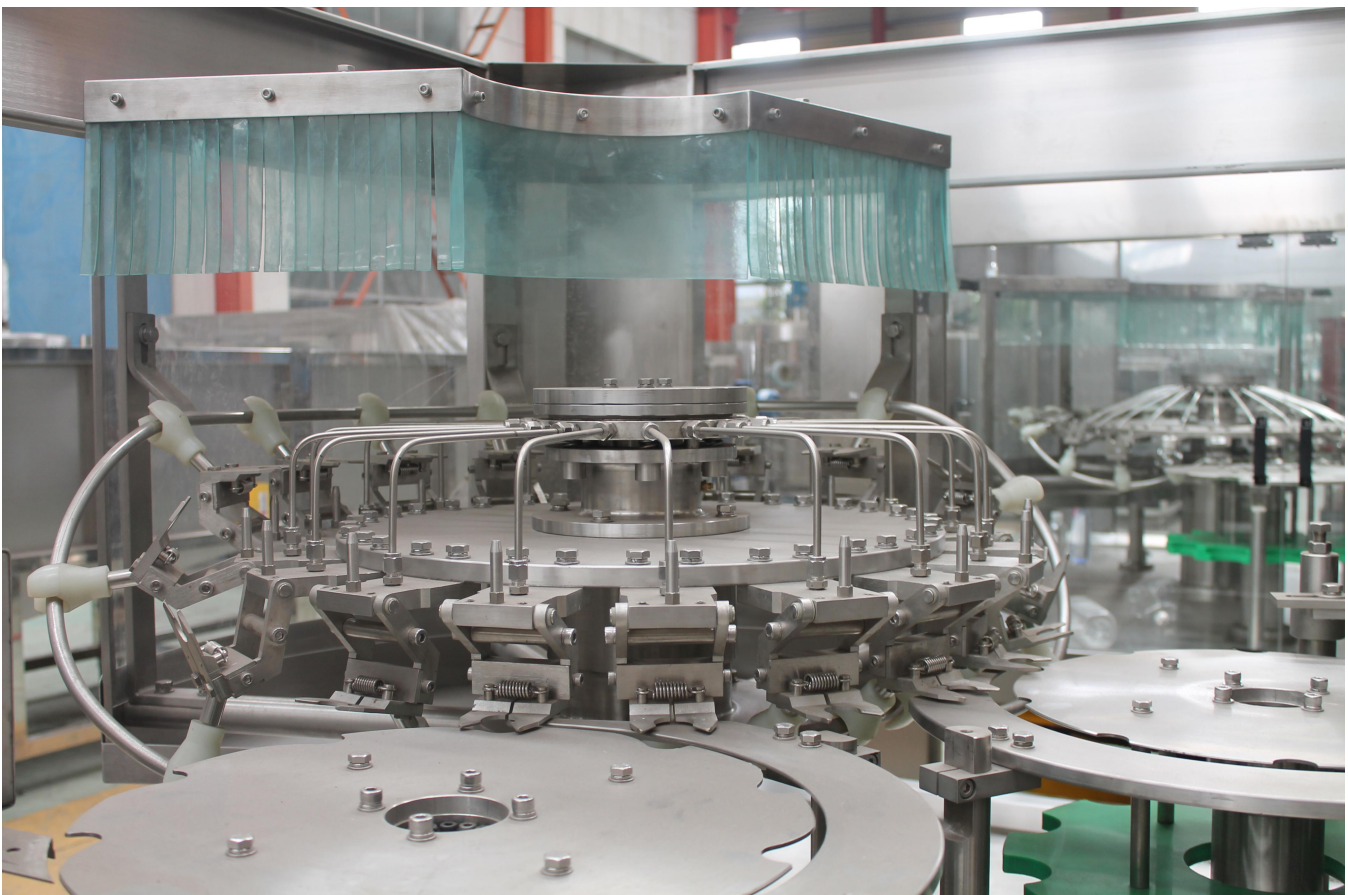
Spring cramps are used in the bottle washing process. The empty bottles can be turned over 180° along the conveying rail. There are two times of internal and external washing, the efficiency of bottle washing is high.

The magnetic torque is used for screw capping. The power of screw capping can be adjusted without steps. The power of the screw capping can also be fixed, and the caps will not be damaged, the capping is reliable.

The whole machine is controlled by PLC with touch-screen as the human-machine interface. The amount of the drinks in the storage tank can be controlled automatically. The filling and capping will be stopped automatically when there is no bottle. When bottles are cramped wrongly or when caps are not available, the machine can be stopped automatically.

The frequency changing technology is used to adjust the operation speed sleeplessly. The production capacity can be displayed digitally and can be adjusted conveniently.

washing part for ref



- Except the down framework, the transmission parts and some parts that must be made of special materials. Other spare parts are made of stainless steel 304.
- The roller bearing is made of stainless steel, the sealing ring is made of EPDM material, and plastic is made of UMPE.
- The gripper is made of stainless steel, the position where hold the bottleneck is also made of stainless steel, compared with the traditional rubber gripper, it is much hygiene, durable, and

no quick-wear parts, the screw parts of the bottleneck can avoid being polluted by the rubber gripper.

- The gripper equipped with high-efficient spray nozzle, it can develop to any position of inwall of the bottle, and can save rinsing water. There is a cover above the spray nozzle which can prevent water spilling; and there are regulatory recycle slot and recycle pipes under the nozzles.
- Rinsing time can be guaranteed for 4 seconds.
- By adjusting the height of the rotary parts to adapt for different bottle height
- The motivation is derived from the driven system in the framework passed by gear.
- The supplying of rinsing water is controlled by solenoid valve.

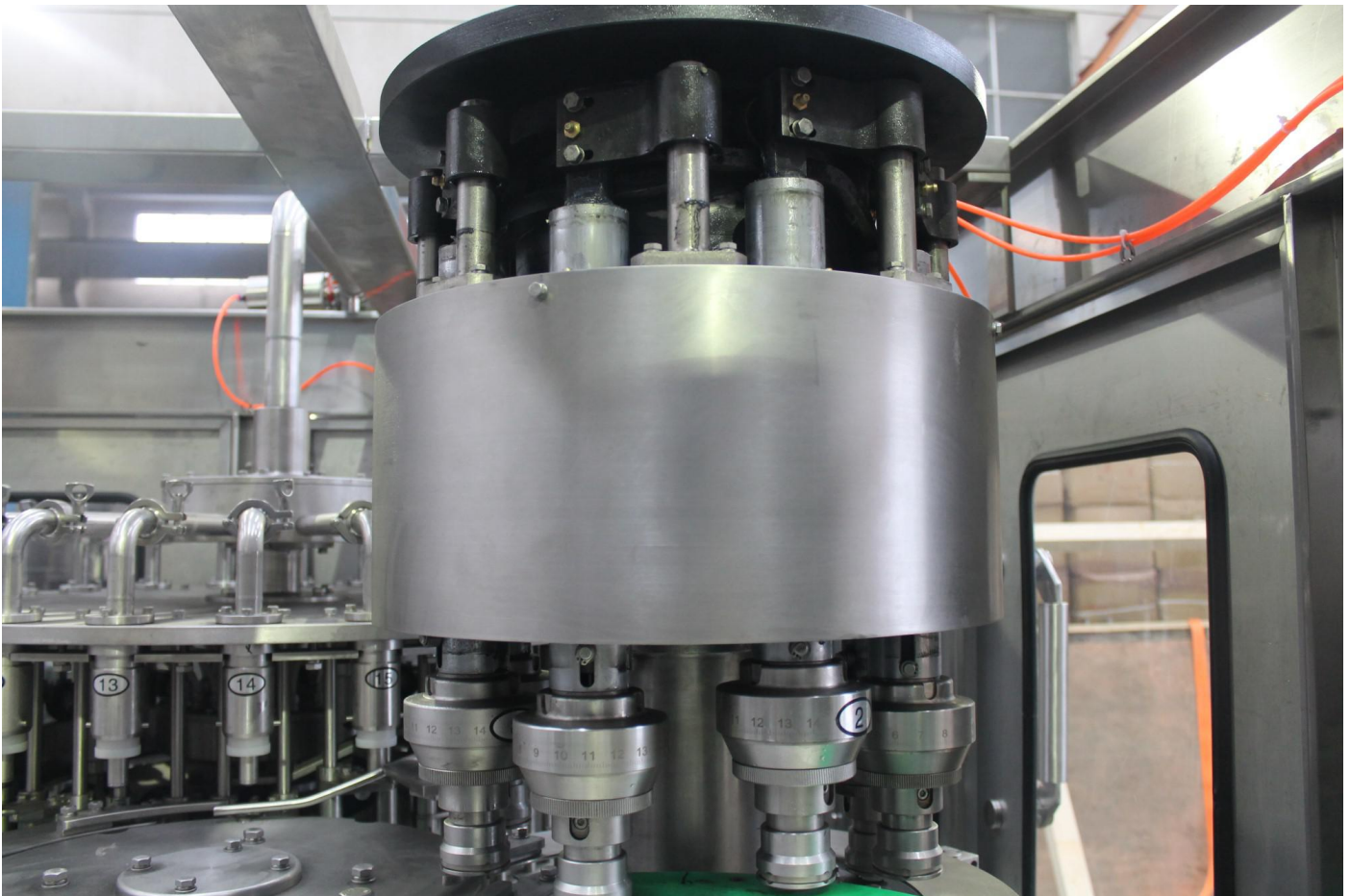
filling part for ref



- 1) Adopted Germany anti-corrosion non-maintaining bearing that can reduce the pollution of filling to the environment.
- 2) The rotate plate is made of SUS AISI304, large flat toothed bearing.
- 3) The pressure mechanical valve is introduced the advanced foreign design with a fast filling speed, no hygiene corner pocket, a few sealing parts, and precise liquid level control. The whole valve is made of 304 stainless steel.
- 4) The filling system has a CIP circulation system to wash the pipeline and fake-cup used for cleaning filling valve. This system can clean the liquid pipe, liquid tank and filling valve etc. effectively.

- 5) This filling system has an automatic temperature control system.
- 6) The filling valve opens and begins filling when it moves down and touches the bottleneck, the filling valve move up and leave the bottleneck when it finishes filling.
- 7) The liquid supply adopts the automatic pneumatic valve magnetic liquid-level switch to control the liquid tank automatically.
- 8) The motivation of the filler is derived from the driven system in the framework and passed by gear.

capping part for ref



This unit is the highest degree of accuracy of 3 in 1 machine, it is important for the machine to run stably and the product quality.

Characteristic of the screwing capper as follows:

- 1) Introduce most advanced cap sealing technology called France "ZALKIN ". With the help of expert from institute of electro mechanics and mechanical engineering of Shanghai Communications University, we successfully designed. For example: I) the screwing capping head cam (the main parts which can assure the machine run stationary), while adopting "ZALKIN" technology, the expert improve the authenticity and stability of the machine focused on dynamics and kinematics. II) Screwing capping head (the main parts which can assure the capping quality), the expert improve the design of magnetic steel, this improvement can reduce the defective rate of capping better and the traditional character of easy to set and adjust the torque of screwing capping head.
- 2) The screwing capping head is dual-purpose design; it is suitable for flat cap and sport cap.
- 3) The device which can take out the reverse cap and prevent the reverse cap passing is settled in the cap-falling guide.

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- 4) A group of photoelectric switches are settled on cap-falling guide. The machine will stop when there is no cap on the guide.
 - 5) A bottle inlet detect switch is settled on the screwing capper.
 - 6) There are aseptic nozzles between the transition poking wheel and filling parts to rinse the product rested in the bottleneck screw parts.
 - 7) There is a cap-lock cylinder in the joint between the cap-falling guide and poking cap plate. It is realize that no feeding no cap.
 - 8) By adjusting the height of the rotary parts to adapt for different bottle height.
 - 9) The motivation of the screwing capper is derived from the driven system in the framework and passed by gear.
 - 10) The main parts of the screwing capper are processed by the digital-control processing center



Transmission part

Cap evelator for ref



Item	Brand	Item	Brand
PLC	Mitsubishi	Contactora	Schneider
Invertora	Mitsubishi	Air switch	Schneider
Photoelectricity	Autonics	Motor	Siemens

Model	CGF8-8-3
Capacity (B/H)	2000PH -(100-300ml)
Bottle size	Neck :φ50-100mm:Height:150-320mm
Water Pressure	0.18-0.25Mpa
Water consumption(kg/h)	1000
Washing station	8
Filling precision	< +5MM
Air pressure	0.5Mpa
Air consumption	0.3m3/min
Power(kw)	2.2
Weight(kg)	3000
Dimension(L*W*H)	2700*2100*2100 mm

Online bottle rinser



Parameter:

Water pump:0.37KW

Width:1000mm

Bottle dryer:



1. This machine is mainly used for the drying of cans/bottles before sticking the trademark sticker.
2. This type of machine adopts advanced technology of air knife, can work at low temperature, featuring stable performance, high visibility and fine drying effect. And it is suitable for the production line of medium & high speed.
3. The air knives of the machine can be adjusted in any direction and the drying area can be adjusted according to the actual needs. All the operations are very easy.

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4. This type of machine is suitable for various shapes of bottles. There is no secondary pollution resulted from brush, free of maintenance.
5. Low energy consumption. Each heating fan can be controlled separately according to the actual conditions and it is the ideal drying machine in all wine packing lines.

Model	CG-2
Capacity	1000-9000BPH
Applicable bottle height	50-350mm
Power	7.5kw
Dimension	1000*600*1800mm

rotary bottle sorting table/collection table



Parameter:

Diameter:1420*960*1320

Motor:90W

Capacity: 2000-4000BPH

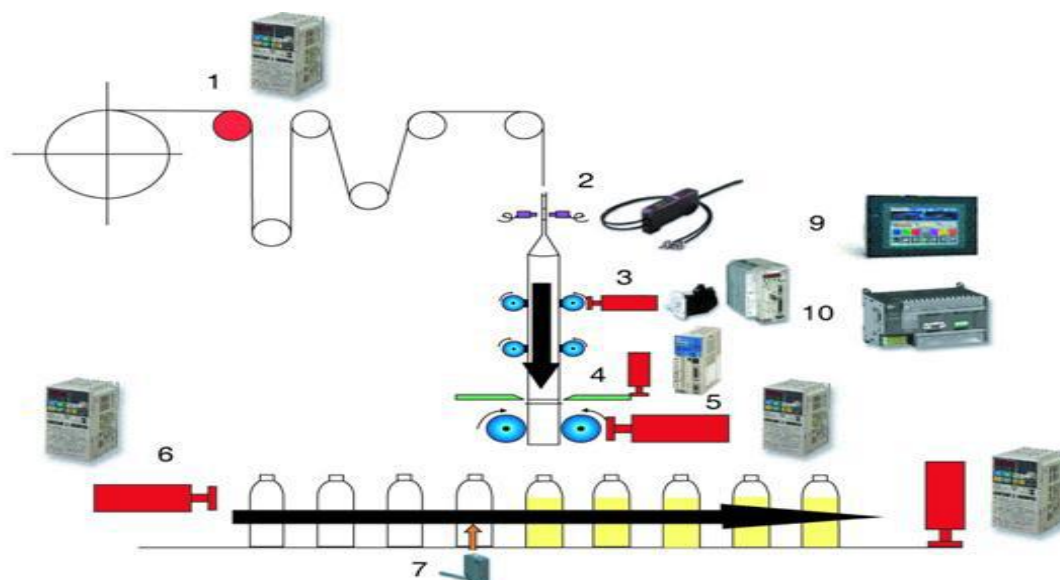
Sleeve labeling machine:



I, Facility character:

- 1, Whole machine adopt qualified stainless steel and good-quality of aluminum alloy , compact and reasonable fracture, convenient to adjust;
- 2, The label roll frame of shrinkage film with adjustable device, convenient to adjust according to differ volume label 5"~10"paper tube.
- 3, Simply installation, then can convenient for square and round bottle.
- 4, No need of instrument, rotary mechanism is convenient to adjust, apply to different bottle type.
- 5, Unique sleeve labeling method, adopt pressing sleeve labeling method, not only convenient but also reasonable.
- 6, Automatic label feeding, and flat the shrinkage film and adjust strain simultaneity.
- 7, Unique design knife plate, in the determined range, no need to change. Knife changing quickly and conveniently.
- 8, Middle guide-pole clip system, mould changing quickly, no need any instrument.
- 9, Label location system, can promote and demote in-phase adjust location according to specific bottle type requirement.
- 10, Imported servo system and high-sensitivity photoelectric from Japan, with high cutting precision of label.
- 11, Stainless steel electric control cabinet, Mitsubishi PLC, imported from Japan.
- 12, Adopt advanced man-computer Interface auto controlling technology, key electric component all adopt international famous industrial brand.

Working process:



Specifications:

Power: 380/220v, 3kw

Dimension: 850*800*2000mm

Weight: 550kg

Speed: 100-150BPM

Diameter: 25mm-125mm

Bottle material: Glass, metal, plastic

Bottle shape: round-square

Film material: PVC, PET, OPS

Film thickness: 0.03-0.13mm

Label length: 30-250mm

Electrical apparatus	AC motor	Panasonic	MBDDT2210003
	PLC	Mitsubishi	FX1S-30MR
	Photoelectricity	SUNX Japan	CX442
	Photoelectricity	SUNX Japan	FX301
	Contactors	Schneider French	LCD0610
	Approach switch	AUTONICS	PR12-4DN
	Transducer	Sanki-Taiwan	S800-2S0.4G
	Touch screen	Esayview-Taiwan	TK6070IH2
	Air switch	DELIXI	DZ47-2P20A
	Auxiliary relay	DELIXI	HH54P-DC24V



Inner construction photo for ref

Steam Shrink tunnel:



Made of SUS304 stainless steel. The equipment is with steam controller for steam blow wastage. Remained steam be brought out to plant through wind motor. Steam press is adjustable. Shrink effect is perfect and will not hurt the label.

Parameters:

Power: 380V, 50/60HZ 0.75kw
 Dimension: 1200*400*1800mm
 Pressure: 0.4-0.7Mpa

Steam generator:

- ◆small electric thermo steam oven with compact structure and small cube, machine inner set auto water replenishing bump, and set auto water-level controlling, pressure controlling, can work continually.
- ◆water of the oven is lower than 30L, avoid complex annual YSR
- ◆water volume in the oven is less, with high working pressure, high steam temperature, can solve many users high-pressure steam requirement efficiency.
- ◆ Steam output valve not only can connect hard tube but also can connect anti-high temperature steam rubber tube flexibly and save the space effectively.
- ◆ whole machine occupy area is small, convenient to move and install.

Product technological parameter:

model		LDR-18-0.4-Z			
item	unit		item		
Rating steam volume	t/h	0.024	Main steam valve mouth diameter	DN	15
Rating working pressure	MPa	0.4	Safe valve mouth diameter	DN	15
Saturation steam temperature	°C	151	drainage valve mouth diameter	DN	15
Input power	KW	18	External size	mm	670
Input current	A	41		mm	620

Payment:

100% T/T deposit within five days after the contract is signed against invoice of the seller.

Delivery:

Machine process time 45 working days after T/T receipt/ deposit and can&lid sample received; shipping will take 15 days. Total delivery time is 60 working days.

After sales service:

1. Installation & adjustment

After the equipment are arrived at the customer's site, the customer is responsible for unpacking and arranging the equipment according to the placement drawing; and does under our install-adjust technicians' guidance. Costs of the staff are decided at last.

2. Training

- We are responsible for offering the technical training to user. The training content includes the structure and maintenance of the equipment, control and operation of the equipment. Through training, users' technical staff can grasp and the skill of operation and maintenance proficiently, and deal with the general troubles in time. We will appoint qualified technical staff for the guidance.
- The buyer can send staff to our company for learning.

3, Quality assurance

- We guarantee the goods offered are brand-new, not used, with latest design and suitable material made, and we guarantee the specification of the equipment is consonance with the contract.
- We guarantee the line achieve product technical performance indicators within 5 days after feeding operation through the correct guidance of the installation and commissioning.
- We are responsible for the fault and damage of the production line caused by our design, technology, manufacture, installation, adjustment and material defect etc. that all belong to our responsibility.
- The warranty period is 12 months after acceptance check of the production line. If there is any different between the furnished equipment in the customer's factory and the equipment concerned in the contract, the users have the right to pass the inspection book to the legal department to claim for compensation to our company within goods warranty period.

4. Warranty

Offer 12 months maintenance period to the problem that caused by our design, manufacture and the material quality, and offer the relevant parts and effective service for free for above reason. We

will offer a widely and favorable technical support, after service all the time after guarantee period.