

Complete Drinking Water Filling Production Line

(CGF 18-18-6 Line 8,000BPH)



About us

Our main products have: Water filling production line, water treatment system, juice filling production line, carbonated drinks production line, and also 5Gallon bottle filling production line, and all other auxiliary equipments.

Every year we attend the exhibitions, like Canton fair, PROPAK, and other exhibitions in Dubai, Kenya, Saudi Arabia and Algeria and etc., that time we always visit some local old customers and we are sure that we can offer more and better services than other supplier.



Brief

Technical data base:

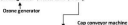
1. Rated capacity: 500 ml, 2000lph, 1500ml, 1,000BPH
2. Filling material: Drinking water
3. Filling type: Pump filling, normal temperature
4. Filling container : PET bottle 500ml, 1.5L
5. Cap: Plastic screw cap
6. Label: PVC shrink sleeve label
7. Package: Film package
Carton box for choice
8. Bottle blow molding machine: PM-A6
9. Injection molding machine: /
10. Power generator: /
11. Full load power: /
12. Workers: 3-5
13. Area: 400m² (final layout drawing is based on customer's workshop)
14. Conveyor mode:
Empty bottle: Air conveyor
Full bottle: Conveyor belt
15. Condition:
Temperature: 50-60 °C
Humidity: no dew (95%⁺)

Flow chart:

Water treatment system -RO system

Raw water → Raw water tank → Water pump → Silica sand filter → Active carbon filter → Sodium ion exchanger → Precision filter → Reverse Osmosis → Mixing tower → Water tank → Pump

Filling and Packing



Bottle uploader → Air conveyor → Filling Monoblock(3-in-1 machine) → Conveyor → Light checker → Blow dryer → Labeling machine → Code sprayer → PE film packing machine → Stock

PET bottle making

PET granules → Injection molding machine → PET preforms → PET bottle blow molding machine → PET bottles



Quotation list

No.	Machine	Model	Capacity	Qty	Remark
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I. Water treatment(5000L/H)

0	Raw water tank/pool			1pc	⇨ Prepared by customer
1	Beverage pump	15T	12T/H	1pc	⇨ Working pump
2	Silica sand filter	SY5-10	10T/H	1pc	⇨ Stainless steel 304 ⇨ Diameter:1200mm
3	Active-carbon filter	5GJ-10	10T/H	1pc	⇨ Stainless steel 304 ⇨ Diameter:1200mm
4	Sodium ion exchanger	5M2-10	10T/H	1pc	⇨ Stainless steel 304 ⇨ Diameter:1200mm
5	Microon filter	PSJ-10	10T/H	1pc	⇨ Polypropylene membrane 5um
6	Reverse Osmosis device	RO-9(3" Step)	5T/H	1pc	⇨ USA origin Hydranautics RO membranes
7	Ozone sterilizer	CF30-25	25g	1pc	⇨ Air source

	Qare tower	HT-1		1pc	◇ 4.55m height
8	UV sterilizer	DG-3M	ST/M	1pc	◇ /
9	Finished water tank	ST	ST/M	1pc	◇ 3mm thickness
10	Stainless steel pipes, valves and contactors			1pc	◇ Full set is made of 316L 304

1.500ml 1.5L PET bottle filling and packaging line

11	Air conveyor	/	/	10m	◇ bottle support bar two side
12	CGF washing filling capping 3 in 1 machine	CGF 18-18-6	8000 bph	1pc	◇ 18 rinsing heads, 18 filling heads, 6 capping heads
	Air conveyor	SC-1		3m	◇ With air fan
	Flat conveyor	SC-1		3m	◇ With motor
	Cap unscrewder	UD-1		1pc	◇ Horizontal type
13	Cap sterilizer & ozone device	CF-T14000		1pc	◇
14	Belt type cap elevator			1pc	◇
15	Inspection light	D3	/	1pc	◇
16	Drying machine	H6J	8000 bph	1pc	◇ 3kw fan two pieces
17	Code sprayer	1510	8000 bph	1pc	◇ USA videojet
18	Automatic sleeve shrink labeling machine	GPC-150A	8000 bph	1pc	◇ With 18kw steam generator ◇ With steam tunnel
19	Automatic PE film shrink wrapping machine	WD-150	10-12 bags/m	1pc	◇ L type shrink machine
20	Flat conveyor	SC-1		20m	◇ Final length according to the factory layout
21	Exchange parts			1pc	

500ml 1.5L PET bottle filling and packaging line

18,500ml 1.5L PET bottle blowing machine

22	Automatic PET bottle blow molding machine	PM-60	6000 bph	1pc	◇
	Preforms load machine	PM-60		1pc	◇
	HP air compressor	6.0 /10		1pc	◇ 6.0 ³ /10MPa For Supply Pressure Air
	LP air compressor	1.0/10		1pc	◇ 1.0M ³ /1.0MPa For Supply Pressure Air
	Air cooling dryer	4.0/10		1pc	◇ 4.0 M ³ /1.0MPa For Cooling And Dryer Pressure Air
	Air cooling dryer	1.0/10		1pc	◇ 1.0 M ³ /1.0MPa For Cooling And Dryer Pressure Air
	Water chiller	5HP		1pc	◇ For cooling mold
	Air filter	1.0/10		5pc	◇
	Air tank	1.0/10		1pc	◇
	Bottle mould	500ml		1pc	◇ 6 Cavity
	Bottle mould	1500ml		1pc	◇ 6 Cavity
Bottle blowing machine:					
TOTAL:					\$ 188,900

Raw material price for reference:

S.N	Item	Unit	Price(USD)	Remark
1	PET profane	gram	0.0038	↪ Price for each profane depends on the weight
2	cap	pc	0.008	↪ PCO 20/10mm
3	PVC label	kg	4.5	↪ Normal 500ml label 1800 pcs per kg
4	PE film	kg	2.7	↪ Normal 500ml 4*6 package 28 bags per kg

Engineer cost for reference:

S.N	Item	Unit	Price(USD)	Remark
1	Visa fee	1	300	↪ One engineer
2	Travel expense	1	2,000	
3	Salary	20 days	2,000	

Freight cost for reference:

S.N	Item	Unit	Price(USD)	Remark
1	ISOHC container	2 pcs	-	↪ According to the destination port

Parameter *(Pictures only for your reference)*

1. Water treatment

1, water source pump

Brand: China Nanfang Southern Pump

Flowing: 32T/h

Liquid temperature:

Normal temperature type: $-15^{\circ}\text{C}\sim+20^{\circ}\text{C}$

Hot water type: $+20^{\circ}\text{C}\sim+130^{\circ}\text{C}$

Highest ambient temperature: $+40^{\circ}\text{C}$

Max. Operation pressure: 30 bar

Max. Inlet pressure is limited by max. Operation pressure

Motor Power: 1.5KW

Running speed: 2900rounds/min

Pump Inputting mouth diameter: Inner diameter $\phi 50\text{mm}$

Place of origin: Harzhou Nanfang Special Pump Industry Co., Ltd.



2. Silica sand filter

Model: SF-10

Height: 2500mm

Diameter: 1200mm

Capacity: 32T/h

Material: SUS304 stainless steel (Food grade)—Made in china.

Components: Water distributor, water gather, pressure gauge, filter material, valve and so on.

Filter medium: Sand

Specifications: $\phi 2\text{mm}$, $\phi 1\text{mm}$, $\phi 0.5\text{mm}$, $\phi 0.2\text{mm}$

Function: When the water through the machine, it machine will stop suspend substance through the good quality silica sand. Protect the following machines and also clean the water this machine can achieve the back washing itself through the manual valve device, and can prolong the life of machine also.



3. Active carbon filter

Model: SA-10

Height: 2500mm

Diameter: 1200mm

Capacity: 32T/h

Material: SUS304 stainless steel (Food grade)—Made in china.

Components: Water distributor, water gather, pressure gauge, filter material, valve and so on.

Filter medium: Shuck shape active carbon

Water quality after treatment: need to be accorded with GB5749-85 national standard for living drinking water

Function: This active carbon filter is simple and reliable, easy to maintain. It is suitable for the places which are strict with



water quality like enterprises, hotel, army, station and dock. All in all, it is a really good water supply device for both industry and living.

4. Sodium ion exchanger

Model: SW-10

Height: 2500mm

Diameter:1200mm

Capacity: 30T/H

Material: SUS304 stainless steel (Food grade)—Made in china.

Components: Water distributor, water gather, pressure gauge, filter material, valve and so on.

Filtering medium: Zeolophony

Function: This machine we also called softener, that Softener theory is Exchanging Na^{+} of resin itself instead of $\text{Ca}^{++}\text{Mg}^{++}$ of water resource with ion to make water resource softer and become soft water.

Pictures of three filters:



5. Precision filter

This machine is made of stainless steel as a small tank which contains precision filter membrane, it only allows un-treated water go through the membrane, and does not allow any liquid go through another part, so it can filter the un-treated water. It also can be used in petroleum industry, pharmacy industry, wine making industry, beverage industry and higher quality water industry.

Model: FS-10

Height: 1400mm

Diameter: 800mm

Capacity: 35T/H

Filter precision: 5µm

Material: SUS304stainless steel

Filterate medium: Polypropylene membrane (PP MEMBRANE) 20 feet 40 pieces



6. Reverse Osmosis

The device's key part is reverse osmosis membranes that is from the America, it has a good performance to eliminate salts and the high pressure pump is from a high quality pump producer in China, it's easy to handle for its simple structure. The source water, in the case that the TDS is less than 400mg/L, can reach the national standards totally after treatment by this device, it's the most ideal equipment for water treatment.

Capacity:5T

Component:

Item	Component
1	American HYDRANALYTICS company's ESPA high technology 40" compound film 8 PCS
2	PP high pressure film shell
3	Reverse osmosis high pressure pump one sets-NAN TANG pump
4	All kinds of capacity indicator, pressure indicator, electricity magnetic valve, balance device and pipe valve system
5	Online type pressure auto self-protection device
6	Online type electricity indicator (with stable compensation)
7	System safe protecting and alarm system
8	System frame



Back wash part photo



2, Coone sterilizer machine



Model: CF98-35

Capacity: 25g/h

Ozone tank thickness: 10-15mm Φ

Operating pressure: 0.04-0.08mpa

Operating temperature: $\leq 35^{\circ}\text{C}$

Inlet pressure: 0.5-0.7mpa

Air mass flow: 2-3m 3

Air dew point: $\leq 40^{\circ}\text{C}$

Cooling water flow: 120-180kg/h

Power: 220V/50Hz, 1.2kW Φ , 15-180W/k Φ O $_3$

Weight: 600kg

Dimension: 1750mm*600mm*1350mm

Four connections installed on the ozone generator: air inlet/Ozone outlet/chilling water inlet/chilling water Outlet

Oxidation tower

Dimension: $\Phi 750\text{mm} \times 4500\text{mm}$

B, UV sterilizer machine

The products adopt a high-intensity, long-lived UV germicidal lamp, the device is reasonable, compact, and adopts the structure of secondary disinfection, so health indicators completely according to the state standard.

Main technology parameter:

Model: DH-3H

Total power 2 KW

Flow of Sterilization Water: 5000L

Working Pressure: 0.4 MPa

Inlet and outlet diameter of the water pipe: DN25 mm

Working Voltage: 220 V

Steady Time: 3-6M

The life-span of the light tube: 3000H



9. Finished water tank

Material: Stainless steel 304

Volume: 5000L

Size: diameter: 1810mm*2400mm



II. PET bottle filling and packaging line

12. CGF 18-18-6 washing filling capping 3 in 1 machine

Air conveyor

Air conveyor is hoisted on the floor, with fan installed on the top. Air filter is positioned at every entrance of air fan, to prevent dust blown into bottles. Bottles are blocked on the neck in the conveyor and transported into filling machine by blowing power. All are made of stainless steel A304, except the hoses, board of plastic and nylon.

Technical parameter

1. Model of fan: DF-6
2. Power fan: 2.2 KW/unit; blowing capacity: 2500m³/h; full pressure: 165-20MPa; rotation speed: 2940r/min; weight: 38kg
4. Length of air conveyor: according to plant layout



Flat conveyor

1. Stable conveying, using synchronous chasing control between the conveying belt and engine, making bottles in good condition in the conveying: non-falling, non-block, non-jam.
2. Conveying belt is designed by module, component can be interchanged easily, with compact structure, low noise, easy assembling and maintaining, good flexibility to combine the bottle type according to the different capacity.
3. The design of electrical control is advanced and rational, we can design the control method, select the electrical control component according to client's layout, to improve the conveying stability.
4. Set the switch according to conveying system layout or customers' reasonable requirement, for the convenience of operation.
5. Belt lubricating system is equipped
6. Main part all using A304
7. Fringe board is using the U.S. Rexnord technology to produce

Specification

1. Conveyor height: 1.5000mm

2. Side panel: 304 stainless steel sheet, thickness is 3mm

3. Power: (3KW/2-40V) 50° brand 0.750kw

4. Supporting leg: 304 stainless steel

5. Working end cover: 304 stainless steel

6. Lubricant water concentration tank: 304 stainless steel

7. Chain plate: Domestic high-quality plastic chain plate, polypropylene (PP)

8. Bearing housing: 304 stainless steel cage



304#-304 stainless steel-coated





Washing part

Capping part



Filling parts:



Washing head (100% stainless steel)



capping head (100% stainless steel)



Filling head (100% stainless steel)

Technical parameter:

No	Equipment name	Technical parameter	Qty
1	Filling machine main body 3-4M-1	<ol style="list-style-type: none"> 1. Model: COSF 18-18-S 2. Number of heads: 18 washing heads, 18 filling heads and 6 capping heads 3. Capacity: 8000/H (300ml) 4. Material: The material which contact directly with the liquid is the SUS304 (Food grade), made in china. The transmission mechanism and the gear are equipped with firing A4 carbon steel. 5. The 3-in-1 is mainly used to fill water. 6. Disposition : <ol style="list-style-type: none"> 6.1. Motor: LICHRO SHANGHAI 6.2. Gear box: JB brand Hangzhou 6.3. Invert speed control: Japanese Mitsubishi 7. Volume of PET bottle : 0.25L-2L 8. Diameter of bottle: 58-115mm 9. Height of bottle: 160-220mm 10. Cap: plastic screw type cap 11. Filling temperature: Normal 12. Filling pressure: Normal 13. Filling precision: ±2-3% 14. Pressure of washing: 0.2Mpa 15. Washing consuming water: 1200kg/h 16. Gas consumption: 0.8m³ /min 17. Power of main motor: 4 KW 18. Dimension: 1580*1300*2500mm 	1 set

S.N.	Name	Remark	Producer
1	Washing head with bottle neck hanging	Made by our factory	Proman Machine
2	Filling valve	Made by our factory	Proman Machine
3	Sealing head	Made by our factory	Proman Machine
4	Touch screen		German
5	Transducer		China

6	PLC	SIEMENS	Germany
7	Approach switch	Autonics	Korea
8	Light fiber switch	Autonics	Korea
9	Pneumatic elements	AIRTAC	Taiwan

Electrical parts brand

Serial No.	Code name	Name of parts	Model specification	Producing area
1	CPM1A	Programmable controller	CPM1A-0800R-A	Siemens
2	DB	Electrical source transformer	DB3-00VA-00.0.0VA	Wuxi
3	AO	On-off device	0-100-2A	Taiwan
4	EF	Low-pressure breaker	EF0.140-... (M700)	Siemens
5	FG	Fuse	RT18-02-2A	Japan
6	EM1-0	AC electromagnetic contactor	EM00 00-00-AC220V	Siemens
7	EM0	AC electromagnetic contactor	EM00 00-00-AC220V	Siemens
8	ER	Heat-break device	ER000 40-10	Siemens
9	ER	Multi-continuous electrical device	ER000 40-1A	Siemens
10	GO	Multi-contin electrical device	W004.01.001-10	Nanjing
11	GI	Digital display device	GT10A-1.1.0	Shanghai
12	HL7-E	Indicator light	HL01-1-24V	Hangzhou
13	HL0	Cue light	HL0-0-AC220V	Hangzhou
14	HA	Multi-continuous electrical device	HT0-0.0P	Japan
15	SC	On-off changing	SC00-0*00	Hangzhou
16	SD	Key on-off	SC00-0*00	Hangzhou
17	SE	Button with light	SC00-0010-04V	Hangzhou
18	JT	Emergency button	SC00-0001	Hangzhou
19	BA	Alarm	SC00-000-14V	Hangzhou

20	SP1	Including on-off	PR12-4DW	AUTONICS
21	SP1	Fiber optic on-off	BP 383	Shanghai
22	TD1	Speed adjusting device	TD1.000—4T033TG	USA

13. Cap sterilizer & ozone device

This machine is mainly used to sterilize cap such as mineral water, purified water, tea, and juice, for medicine and sanitation industry. For foods industry disinfect and keep fresh at normal temperature, for bottle vessel, plastic case, wooden case sterilizer and storage.

Main technical standards:

- ▲ source voltage: 220V/50HZ
- ▲ input power: 0.75KW
- ▲ effective volume: 765L
- ▲ compress air displacement: 50L/min
- ▲ ozone generator rate: 700 ~ 7000mg/h
- ▲ insulation resistance: ≥1.5MΩ
- ▲ ground impedance: ≤0.1Ω
- ▲ overall dimension : 1200-500-1750

Type illumination : Four doors type



14. Belt type Cap elevator



15. Inspection light



16. Drying machine

Material: SS304 including electrical heating fans

This machine installed after the filling machine, in order to dry the bottles which outside with some water drop, this machine is used to removing the water outside the bottle surface, the blowing capacity can be adjusted through the buttons.



17, Code sprayer



50 series is a printer of the highest integration degree and smallest volume, which is a leader of top technology with easy and stable operation. Various models of different characters are customized for needs in different lines and display rate.

Main features:

1. High efficiency
- 2) Two lines of changeable information can be printed.
- 3) Speed of printing can reach 4.4m/sec.
- 3) Printing of various kinds of information.
- 4) Optional characters.
- 5) Different height of characters: 5, 7, 9, 11 and 16.

2. Touch screen operation

- 1) Touch screen button for on and off.
- 2) Fixed operation screen, with figure-key for different purposes, which is easy to handle.
- 3) Small volume.
- 4) ST sigma is smaller than any printers in the market.
- 5) Height: 512mm Length: 215mm Width: 250mm

3. Adaptability

- 1) Replaceable interface-box contains all connection parts for installation, making it easy for printers to move among lines.
4. Reliable performance

5. Simple operation

- 1) Module design and automatic controlled program allow easy operation and maintenance of ST sigma.
- 2) Two types of ink box are applicable to the demand of different production.

6. Elaborate design

- 1) Application of high technology enhances sustainability.
- 2) Module is made of anti-corrosion epoxy-resin, and aluminum coated in surface.
- 3) Highly reliable electron board of SMC technology.

Main technical parameters:

1. Function

- 1) Single nozzle can spray two lines of information.
- 2) Height of characters [1.0mm] [2.5mm] [3.2mm] [3.9mm] [5.0mm].
- 3) Many languages: Latin, Arabic, Japanese, Chinese and Korean.
- 4) Production date, future date or best-before date, time, shifts and automatic counting (3 calculators).
- 5) Bar codes: 2/5 code 89 code.
- 6) Automatic start and off
- 7) Interface operation: 128*32 LCD screen menu key and LED indicator light.
- 8) Manual keyboard: 240*128 LCD screen WYSIWYG information display and drop down menu.
- 9) More than 99 pieces of information are in store.
- 10) Interface of Many languages: More than 20 languages are optional such as English, French, Italian, German, Russian, Japanese, Chinese, Korean.

2. Ink system

- 1) Self checker and clog-out test.
- 2) Automatic ink-chroma control and ink-line speed control systems.
- 3) Self-clean.
- 4) Nozzles are automatically gotten through.
- 5) Ink and additive are sealed in the packed box. (5.6L liter or 6.8 liter).

3. Machine specification

- 1) Weight: 3.3 kilograms.
- 2) Temperature rang of working environment: 5℃ to 45℃.
- 3) Deviation of spraying heads and machine body: ±1.5 meters/±2meters.
- 4) Humidity: 10% to 90% no-froon.
- 5) Voltage: 110V (+/-20%), 220 (+/-20%), can be changed automatically.
- 6) Power: 50W, frequency ranges from 45 Hz to 65 Hz.

7] Safeguard grade IP54

4. Complete sets of accessories

5. Protective device on plus-pressure nozzles photocell sensor synchronizer defect alarmer spray-head and frame bridge.

18. Automatic sleeve shrink labeling machine



1. Label sleeve thermal shrink machine

1, the machine is made of stainless steel and high quality of aluminum alloy, the reasonable, intact frame, it is easy to adjust.

2, the first bolt is not needed, easy to move suitable for different place.

3, the shrinkable film roll with adjustable locking gear, can be adjusted according to different roll 5'-10'

4, the applicable bottle is the machine square bottle and round bottle

5, without tools, the driven machinery can be adjusted to meet different bottle size

6, particular inserting label ways, i.e. inserting label, it is reasonable and convenient.

7, full automatic feeder, the flat shrinking and tension are adjusted together.

8, it is assured to low error that there is inspection of rolling label out.

-
- 9, particular blade design, blade base can be change by free, changing blade quickly and conveniently.
 - 10, it is easy to change the central clamping device without any tools.
 - 11, oriental rolling label device can be lifting synchronal.
 - 12, the separating bottle screw, oriental belt and conveyor are adjusted synchronal.
 - 13, adopting ANCHUAN serve motor made in JAPAN and sensitive photo electricity, to insure the precision of cutting label.
 - 14, stainless steel electric controller, adopting Mitsubishi PLC made in Japan
 - 15, adopting advanced man-machine automatic controlling technology, main component adopts famous brand.

Technical parameters

Capacity : 1000BPH~15000BPH (on the base label length : 500ml)

Label size: Diameter 10-125mm

Bottle diameter : Diameter20-125mm

Label sleeve length: 30-250mm

Thickness : > 0.035mm

Label material: PVC/ PET

Electrical power : 30W (180V 50HZ)

Overall diameter : 1100*850*2000mm

Weight : Approximate 750KG including the steam thermal shrink machine





Activity

Activity	Start	End	Duration
1. Introduction	08:00	08:15	15 min
2. Safety	08:15	08:30	15 min
3. Theory	08:30	08:45	15 min
4. Practical	08:45	09:00	15 min
5. Discussion	09:00	09:15	15 min
6. Summary	09:15	09:30	15 min
7. Q&A	09:30	09:45	15 min
8. Conclusion	09:45	10:00	15 min

Activity



In the case of different and irregular round bottles, square bottles and flat bottles etc, the new-style steam shrinking oven is easy to adjust and maintain. It has an even shrinking. The distribution of low-pressure steam drum and spouting way of steam are uniform and designed with seamless tube. The nozzle is divided to be adjustable three segments and the height, position and steam output of every segment can be adjusted respectively so as to gain the perfect shrinking effect. The whole machine is made of stainless steel with heat preservation, which not only saves energy, but also complies with the international safety standard. The stainless steel defrosting tray collects condense water. The whole machine adopts the water-proof design with the convenience of easy operation and low maintenance.

Special Manufacture

Based on the original configuration, double layer heating furnace is manufactured to take effect on energy saving and environmental protection.

SPC-2000	Technical Parameters
Input Power Supply of Blower	1.238VAC/1.38W
Input Power Supply of Steam Generator	380V/50Hz
Working Pressure	0.1MPa
Weight	230kg
Steam Consumption	10-20kg/h
Size of Oven Body	1200mm x 940mm x 840mm
Transporting Speed	0-35m/min

3. Steam generator

The water is fed into the series of wholly automatic electrical heating generator by high pressure potential vortex pump made of copper with short water-supply time and durable service. A floating ball for liquid level is fixed in the water tank to automatically control the water inlet. Working system is all automatically controlled. After connecting the water supply and power supply for 5 minutes or so, it can output the steam continuously with a high level of working efficiency.

SPC-1200	Technical Parameters
Input Power Supply	3PHASES 380V
Input Power	1000W/1600W

Part Name	Part No.
Part Drawing	Part Photo
Part	Part





Technical parameters

·Outline dimension of the equipment:15050*W3300*H2100mm

·The largest dimension of the wrappage:1600*W400*H350mm

·Material of shrink film:PE

·Thickness of shrink film:0.08-0.12mm

·The highest temperature of the heat shrink furnace: 160-180°

Can adjust freewill.

·The maximum production per minute:0-12 package

·Equipment capacity: 20Rw

·Actual power consumption:1.5kw/hour

·Pressure request:220V

·Equipment weight:1.2T

·Machine required air pressure of the compressor:0.8-0.8MPa

1. Packing terms:

[1]150/500/550/600ml large package: 4*6, 4*3

Small package: 3*4, 3*3

[2]1L/1.5L/2L/2.5L large package:3*3,3*3

Small Package:2*2,2*3

2. For the pop can packing ,we advise packing with pallet,it will be steady.

3. Packing speed:0-15 bundles/minute

4. Satisfy the speed of the liquid filling machine.

[1]150/500/550/600ml large package :4*6, 4*3, (12000-15000 bottles/hour)

Small package:2*2,2*3(1000-4000bottles/hour).

5. Material of packing the width of PE heat shrink film

(200-600mm),thickness(0.08-0.12mm)

20, PH-A6 Automatic PET bottle blow molding machine



Finished PET bottle samples produced by PM-66 as follow:

Carbonated Drink Bottle



Water Bottle

Edible Oil Bottle



Wine Bottle



Pesticide Bottle



Medicine Bottle



Operation:

The standard operation of PM-46 stretch blow molding machine includes four steps as follow

Step 1. Put the preform into preform container and the conveyor will take the preform to orientation units automatically.

Step 2. Load the preform at neck up to preform holder, and then preform is conveyed into baking tunnel.

Step 3. After heating, preform is conveyed into the blow station, then close the mold, stretch and blow under low pressure and high pressure, exhaust, open the mold.

Step 4. The finished bottle is taken off by automatic discharging system

Technical parameter

TYPE	ITEM	UNIT	PM-46 technical data
Container	Cavity		6
	Product material	/	PET ,PC
	Container volume	L	0.05-2.0
	Theoretic output	Pa ₂ /hr	5000-40000
	Preform length	MM	50-200
	Max height of bottle	MM	100
Molding	Preform inner diameter	mm	15-60
	bottle diameter	mm	25-110

	Max mold plate dimension (L × W)	mm	550 × 480
	Max mold thickness	mm	200
Air compressor	High pressure compressor	M3/Mpa	1.2/30 = 3set
	Locking force	BN	1.7B
	Mold opening stroke (adjustable)	mm	200
	Low pressure compressor	M3/Mpa	2.0/30 = 3sets
	Air dryer	M3/Mpa	4.0/30 = 3sets
Main machine electricity	Power	KW	30
	Voltage / frequency	V/Hz	380/50Hz
Machine size and weight	Main machine (L × W × H)	m	4.8 × 2.25 × 1.8
	Main machine weight	T	5
	Conveyor (L × W × H)	m	1.4 × 1.1 × 1.85
	Conveyor weight	T	0.4
	High pressure compressor (L × W × H)	Rg	1.90 × 0.75 × 1.50 = 3sets
	Low pressure compressor (L × W × H)	m	1.85 × 0.75 × 1.50
	High pressure air reservoir tank (D × H)	m	0.70 × 2.25/3.0
	Air dryer (L × W × H)	m	0.85 × 0.50 × 0.95
Air filters	Rg	1.0 = 3pc	
Cooling water: cooling water recycling system can be used with its power of 8 ^{''} 10 liter per minute and 2 ^{''} 3 kilos water pressure			
Total power: 31.5 high pressure air volume (2m ³ /min); low pressure air volume (1.2m ³ /min)			
Safety	Auto emergency alarm	Safety inter-locking device	

Configuration list

Control system



High response, image high-quality control system, specially support simple USB program upgrade, providing strong guarantee for equipment upgrade, troubleshooting.

	<p>Microscope</p>
	<p>Microscope</p>
	<p>Microscope</p>
	<p>Microscope</p>
 	<p>Microscope</p>



automatic stretch blow molding machine adopts infrared type heating mode, whose superior thermal radiation and thermal penetrability provide machine with powerful heating to meet strict preform heating requirement under speedy moving. Infrared heating lamps placed onto three heating zone with 50 sets of independent voltage adjusting module and advanced microcomputer controller, can offer ideal heating for preform in different size. Each lamp's horizontal position is adjustable to keep the machine flexible.

Clamping system



adopts four-plate type toggle clamping unit to provide powerful clamping force and increase the clamping speed. Apart from the four-plate type toggle clamping unit, there is a high pressure assistant clamping device that is special designed to get a firm clamping.

Features

- A. Stable performance with advanced PLC.
- B. Conveying preforms automatically with conveyor.
- C. Strong penetrability and good and swift distribution of the heat by letting the bottles rotate by itself and revolute in the rails simultaneously in the infrared preheater.
- D. High adjustability to enable the preheater to preheat preforms in shapes by adjusting the light tube and the length of the reflecting board in the preheating area, and eternal temperature in the preheater with an automatic thermostatic apparatus.
- E. High safeties with security automatic-locking apparatus in each mechanical action, which will make the procedures turn into a state of safety in case of a breakdown in certain procedure.
- F. No contamination and low noise with the air cylinder to drive the action instead of the oil pump.
- G. Satisfaction with different atmospheric pressure for blowing and mechanical action by dividing the blowing and action into three parts in the air pressure diagram of the machine.
- H. Strong clamping force with high pressure and double crank links to lock the mold.
- I. Two ways of operating: automatic and manual.
- J. Safe, reliable, and unique design of the position of valve to make the air pressure diagram of the machine easier to understand.
- K. Low cost, high efficiency, easy operation, easy maintenance, etc, with automatic technological process.
- L. Contamination is avoided for the bottle body.

M. Ideal effect of the chilling with the chilling system.

N. Easy installation and starting

O. Low rejection rate: less than 0.3percent.

Parts Picture

		
Pressure regulating valve	Temperature control module	Circuit breaker
		
Amplifier module	Magnetic switch	Pneumatic finger
		
Electrical control box	Detection switch	Heating tube




Spare part list(Free)

Sequence number	Name	Quantity
1	Light tube	10 pcs
2	O-rings(complete machine)	1 set
3	seal rings	10 pcs
4	Monkey wrench	1 pcs
5	cross wrench Straight Screwdriver	Each for 1 pcs
6	High temperature wire, air tube	Each for 5 meter

1.	Wahlverfahren	10
2.	Wahlverfahren	10
3.	Wahlverfahren	10

	<p>Wahlverfahren für die Wahl von Abgeordneten in einem Land (1919 bis 1933). Wahlverfahren für die Wahl von Abgeordneten in einem Land (1919 bis 1933). Wahlverfahren für die Wahl von Abgeordneten in einem Land (1919 bis 1933). Wahlverfahren für die Wahl von Abgeordneten in einem Land (1919 bis 1933).</p>
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	<p>1,Chiller Mainly used for cooling the mould and guarantee the bottle part not damaged in the heating process, to improve the quality of finished products and production efficiency.</p>
	<p>4,Air filter Main function is used to filter the impurities and oil in the air, improving product cleanliness.</p>
	<p>3,Low pressure air compressor Used to provide air to run machine.</p>

Appendix

1) Installation, debug, training, after sales

1.1) Installation, debug

After equipments reached the workshop of customer, place the equipments according to plant layout we offered. We will arrange seasoned technician for equipments installation, debug and test production at the same time make the equipments reach the rated producing capacity of the line. The buyer need to supply the round-trickets and accommodation of our engineer, and100 USD per day as the salary for our engineer.

1.2) Training

Our company offer technology training to customer. The content of training is structure and maintenance of equipments, control and operation of equipments. Training is in the workshop of customer. Seasoned technician will guide and establish training outline. After training, the technician of buyer could master the operation and maintenance, could adjust the process and treat different failures.

1.3) Quality guarantee

We promise that our goods are all new and not used. They're made of suitable materials, adopt new design. The quality, specification and function all meet the demand of contract. We promise that the products of this line could storage for one year without adding any septic.

(Four.) After sales

1. after checking, we offer 12 months as quality guarantee, free offer wearing parts and offer other parts at the lowest price. In quality guarantee, the technician of buyers should operate and maintain the equipments according to seller's demand, debug some failures. If you could not solve the problems, we will guide you by phone; if the problems are still can not solve, we will arrange technician to your factory solving the problems. The cost of technician arrangement you could see the cost treatment method of technician.

2. after quality guarantee, we offer technology support and after sales service. Offer wearing parts and offer spare parts at favorable price; after quality guarantee, the technician of buyers should operate and maintain the equipments according to seller's demand, debug some failures. If you could not solve the problems, we will guide you by phone; if the problems are still can not solve, we will arrange technician to your factory solving the problems. The cost of technician arrangement you could see the cost treatment method of technicians.

II) Check & accept of equipments

(Equipments supplied by our company, we will offer products quality guarantee and test report)

1. check & accept standard (bottles and caps should be eligible)

- (1) working efficiency of the whole line $\geq 95\%$;
- (2) The quantity of waste of the whole line $\leq 0.2\%$;
- 1) bottle leakage: invert the bottle and press by hand come forth water leakage
- 2) Without cap, crooked cap or cap with damage
- 3) Clip bottle lead or damage the bottle seriously
- (3) the whole line will run continuously for 8/16/24 hours, stable quantity of the average acceptable end products $\geq 99\%$
- (4) the distance between the material inside the bottle and the top of bottle neck is less than 5mm [full after cooling]
- (5) the liquid reflux $< 10\%$
- (6) the sanitation of the product meets the standard of beverage industry.
- (7) about the checking and accepting of animalcule will carry sample and check according to the standard of nation beverage industry, the result of checking will according to the request of industry standard.

2. Check & accept procedure

- (1) After debugging the machine in seller's factory, after checking out and signature of two sides, then we can shipping the machine.
- (2) finish installation and debugging the machine, after checking out, running the whole production line to show the line function, after certification then final checking. Meanwhile training for operation, maintenance and so on, then make a signature of two sides to become effective.

III) Supply, installation, debug time

- 1. Valid time of the prices: 90 days.
- 2. Time of equipments production: 30 days.
- 3. Time of installation and debug: 30 days.
- 4. Payment terms: 50% as down payment, 50% before shipment. T/T or L/C.
- 5. Guarantee time: 12 months after machines running in buyer's factory.

IV) Package and transport

1, Package type

As usual, we adopt wooden case as package type. It's suitable for long-distance transport. According to customers' special demand, we could adopt sheet iron case and so on.

2, Transport

By sea.