



## PRODUCTION SITE

生产现场

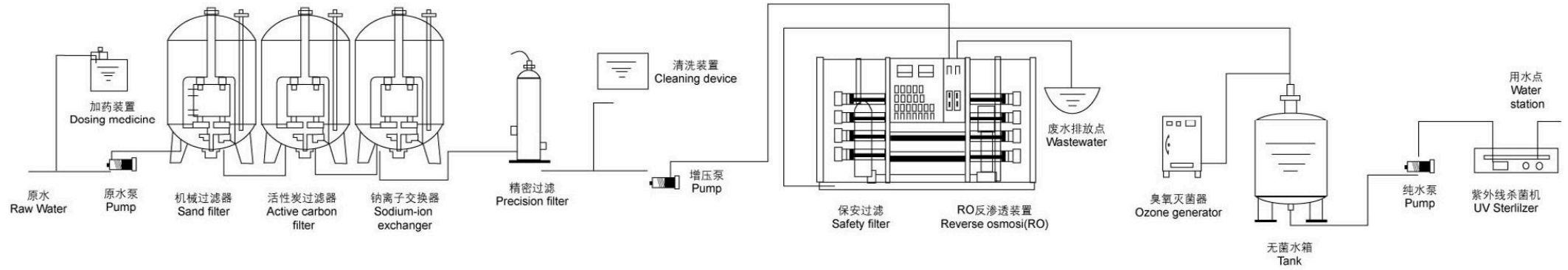
10多年来,兆恒机械的产品不仅销往国内,也远销世界各地。伴随公司的不断成长,客户积累量也在日渐增多。兆恒机械的目标是有朝一日,在全世界范围内,凡是有瓶装饮料产品的地方,都会有我们为之提供的灌装机械,并且我们的服务能让所有使用者满意。追逐理想的脚步,我们从未停下。

Over these 10 years, products manufactured by Zplast Machinery are not only marketed inland, but also exported to many oversea countries throughout the world, and the number of the cooperation companies is keeping growing rapidly along with the growth of the company. Target of Zplast Machinery is that we hope someday our products can be found in every country of the world where there is bottled beverage production, and with recognition of every one of our customer. Our steps chasing this dream have never being stopped.



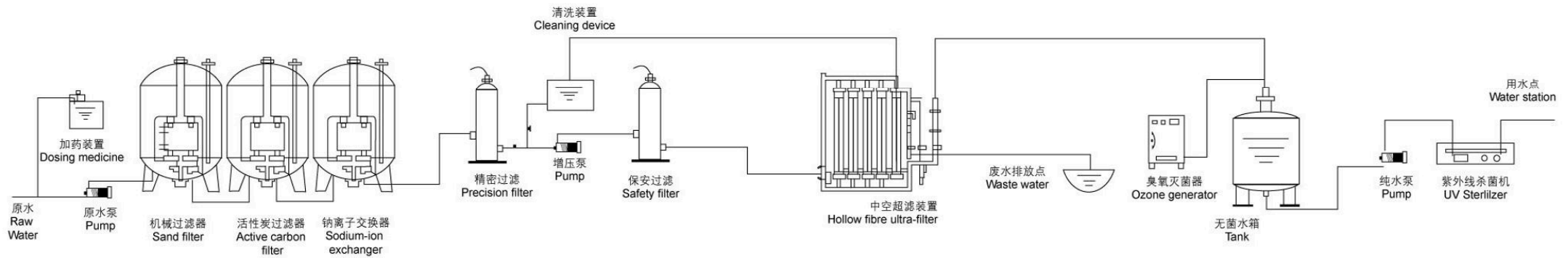
## 纯净水工艺流程图

Technological Flow Chart Of Pure Water treatment system



## 矿泉水工艺流程图

Technological Flow Chart Of Mineral Water treatment system



## 水处理系统

### Water Treatment System

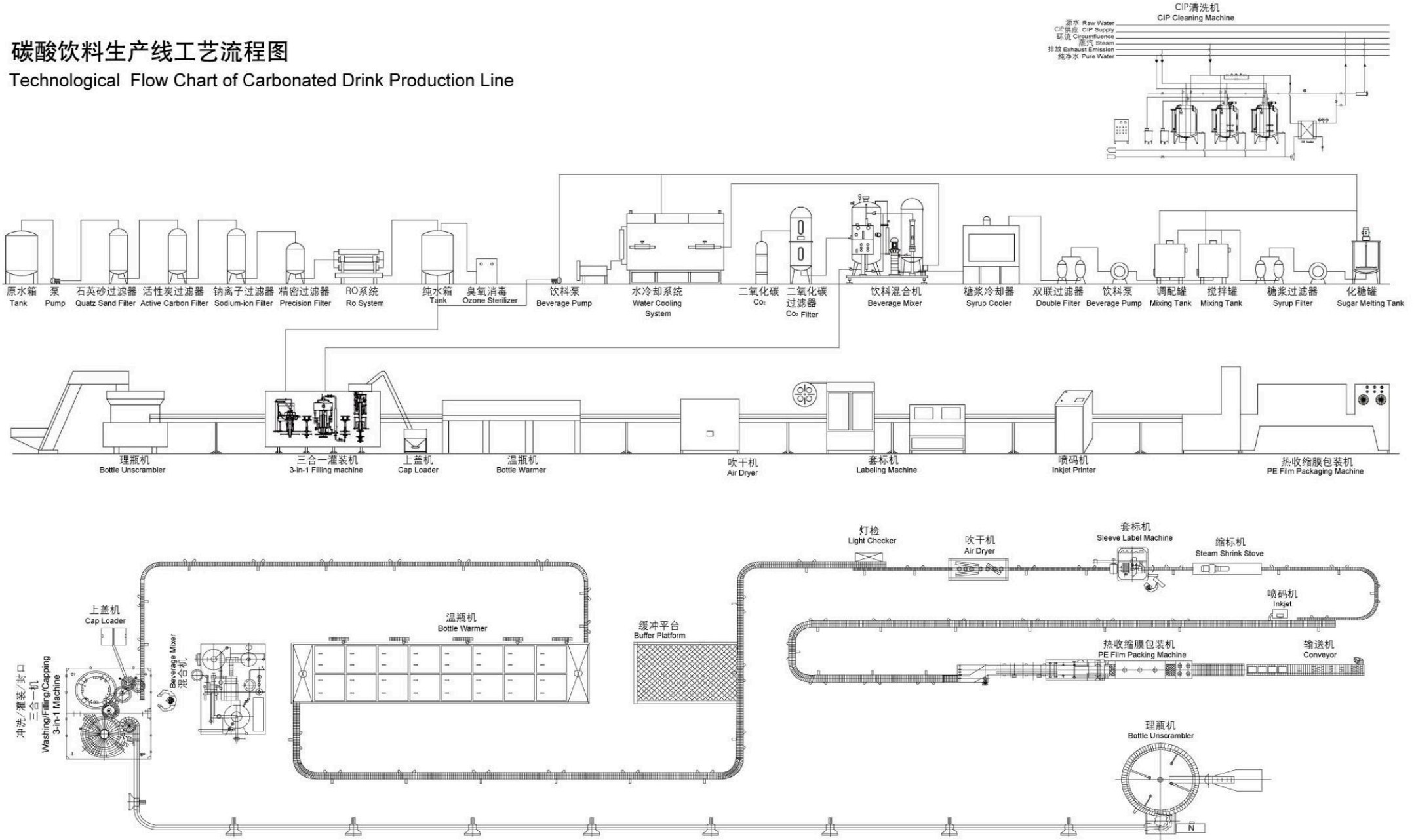
该水处理系统主要用于制取纯净水，矿泉水，各种饮料前处理用水。它可以有效地除掉原水中的各种颗粒，悬浮物，异味和颜色，同时过滤掉其它物质，过滤重金属离子，软化水，以使其达到饮用水标准。

This water treatment system is mainly used to get pure water, mineral water, pre-treatment water for all kinds of beverage. It can effectively get rid of suspended matters and smell and color in raw source water, also filter substance such as organics, microorganism, chloride, colloidal particles, and residual chlorine. Besides, this system filters heavy metal ion to reduce hardness of the water, to make it reach to standard of drinking water.

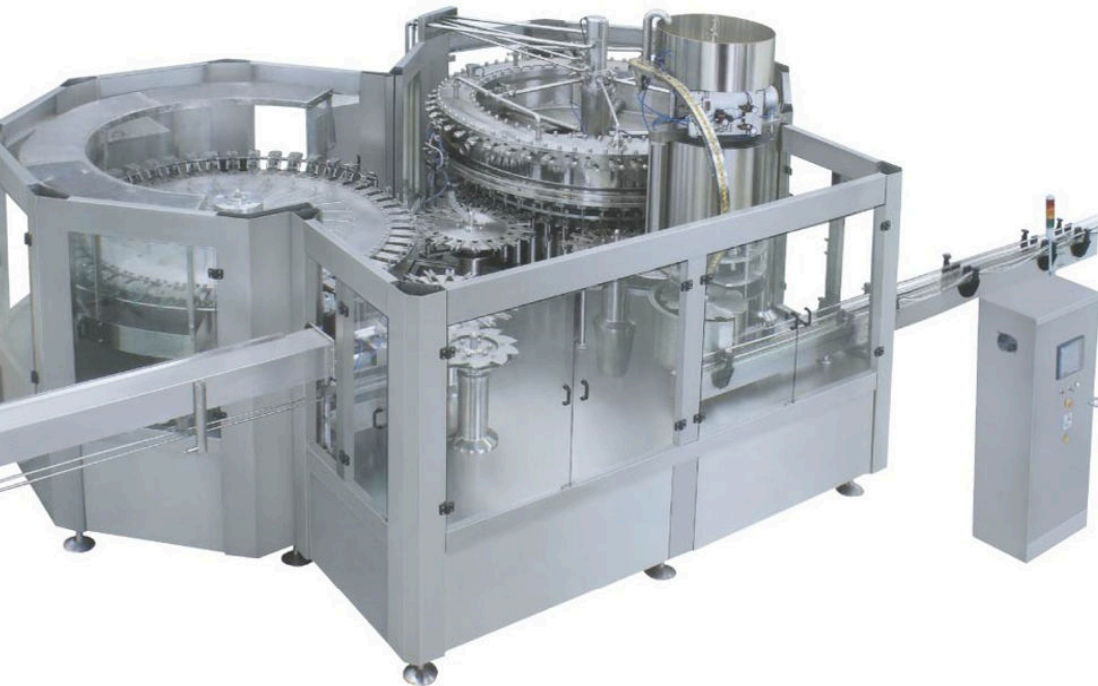


# 碳酸饮料生产线工艺流程图

## Technological Flow Chart of Carbonated Drink Production Line



## 碳酸饮料灌装生产线 Carbonated Drink Filling Line

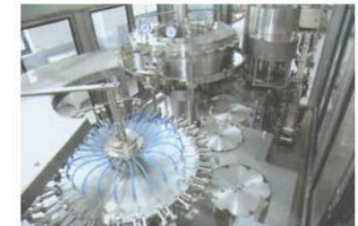


CGFD系列型冲瓶、灌装、旋盖机组引进国外先进的含气灌装技术是一台高效能的全自动液体包装设备。

该机适用于含气饮料的包装，该机具有以下特点：灌装缸、灌装阀等与物料直接接触的零部件均采用优质不锈钢或无毒材料制造，符合食品卫生要求；密封件采用耐热橡胶，满足了用户高温消毒的工艺要求；采用了PLC可编程控制器，实现了从瓶子入机到包装完毕的全自动控制采用了变频调速控制，易于用户调整调备，满足了不同工艺对生产能力的要求；采用了等压灌装原理及弹簧阀，确保了饮料品质，采用了先进的磁力离合调整拧盖力矩装置，确保了封盖质量。

This kind of complete set of machine combines washing, filling and rotary capping functions in one unit, is a fully automatic and high efficiency liquid packing equipment.

It is suitable for packing beverage containing gas. Its performance is as following: all parts, for instance, filling valve, which directly contact medium are made of stainless steel. So it conform to the requirements of Food sanitation. Sealing parts are made of heat-proofing rubber, in order to meet the technique requirements of users to sterilize the whole machine at high temperature. Using programmable controller to realize fully automatic control from bottles entering to finishing packing. Using transducer as speed regulator. So the user can regulate the machine easily to suit different power requirements. Adopting balanced pressure filling principle and spring valves in order to assure beverage quality. Using advanced magnetic coupler to regulate cap-screwing torque, in order to assure capping quality.

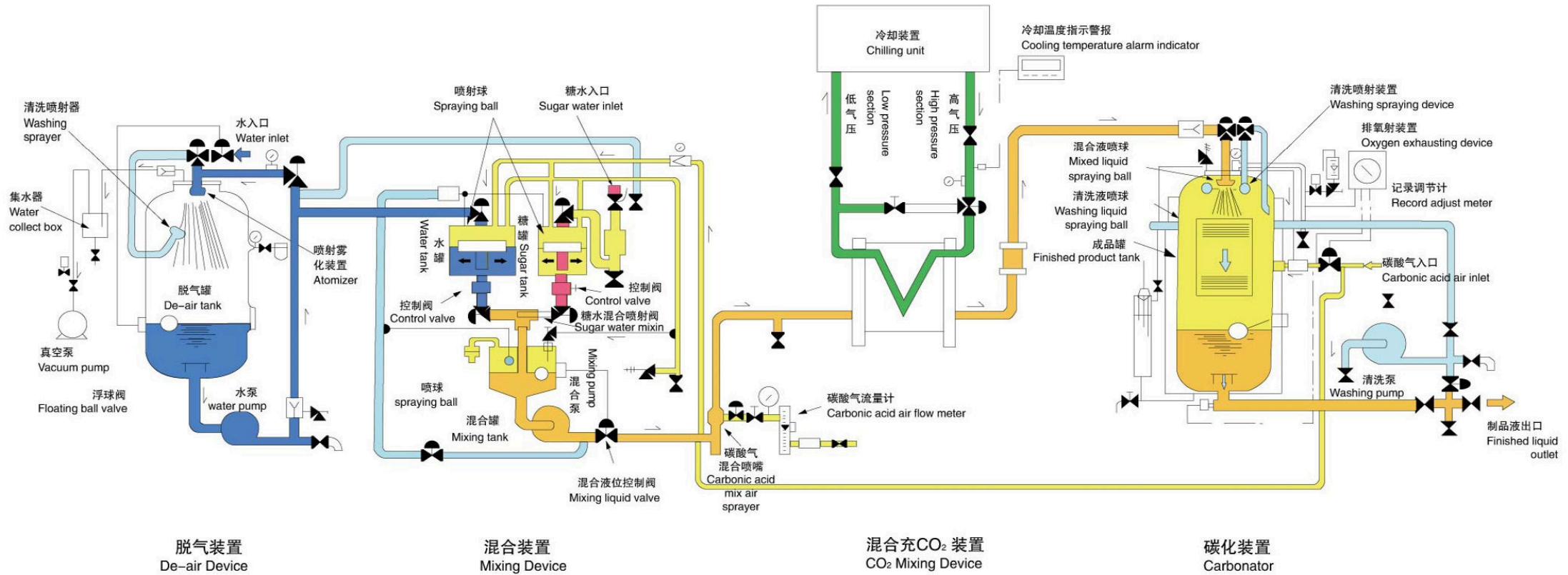


### 技术参数 Technical Parameter

型号 Model	CGFD16126	CGFD18186	CGFD24248	CGFD323210	CGFD404010	CGFD505012	CGFD606015	CGFD808020
冲洗、灌装、旋盖头数 Heads of washing, filling, sealing	16-12-6	18-18-6	24-24-8	32-32-10	40-40-10	50-50-12	60-60-15	80-80-20
生产能力 Production capacity: 500ml(B/H)	3000	5000	8000	12000	15000	18000	21000	32000
适用瓶型规格(mm) Suitable bottle size	Φ=50-Φ95mm 330-1500ml		Φ=50-105mm 330-2250ml		Φ=50-110mm 330-2500ml			
灌装压力 Filling pressure(Mpa)	0.15-0.35							
灌装温度 Filling temperature (°C)	0-5							
功率 Power supply(KW)	4.5	5	5.5	8.5	10	12	16	20
外形尺寸 Overall dimension(L×W×H)mm	2300×1700 ×2500	2500×1850 ×2500	3100×2100 ×2500	4600×2160 ×2500	4600×3800 ×2500	5000×4700 ×2500	6500×5400 ×2500	7700×6400 ×2500
重量 Weight(kg)	2600	3500	5000	6800	8500	10000	12500	16000

# QHS 系列饮料混合机工作流程图

## QHS Series Drinks Mixer Working Flow



图例 Legend

处理水  
Treated water

糖水  
Syrup

混合液  
Mixed liquid

碳酸气  
CO<sub>2</sub>

冷媒  
Refrigerant

清洗水  
Washing water

## 混合机 Mixing Machine



本机是引进国外最新技术开发研制而成，主要用于碳酸饮料的气液糖的混合加工。在同类产品中处于领先地位。

该机采用先进的气液混合装置，可将糖浆及添加剂、水、二氧化碳气体三者一次混合，供灌装使用。也可用于稀释啤酒、啤酒充气以及汽酒等的生产。它具有工艺先进、混合充分、糖与水混合精度高、含气量高、结构紧凑、使用方便、适用于大、中、小型饮料厂使用。

QHS series of Beverage Mixers, which were developed on the base of advanced similar technologies abroad, are mainly applicable for mixing water-syrup-CO<sub>2</sub> proportionally in beverage industry. It is the most advanced Beverage Mixer in this field at present.

There is a set of advanced water-gas mixing device on the machine. This machine could proportionally mix syrup, additive, drink water and CO<sub>2</sub> into finished beverage before bottling. It also could thin beer or aerate beer or produce sparkling wine before bottling. This machine has features of most advanced process technology, well mixing effectiveness, high syrup-water mixing precision, high CO<sub>2</sub> content in finished beverage, more compact structure and convenient operation. It is suitable for all kinds of beverage manufacturers with large or small scales.

### 技术参数 Technical Parameter

型号 Model	QHS-1500	QHS-2500	QHS-3500	QHS-5000	QHS-8000
生产能力 Capacity(L/hr.)	1000-1500	2000-3000	3000-4000	4000-6000	8000-9000
含气量(GV) Gas content in beverage	1.5-2.5	1.5-2.5	>2.5	>3.5	>3.5
糖浆与水调节比例范围 Mixing range(Syrup-water)	1: 3-1: 6			1: 3-1: 6	
冷冻水入口温度 Temperature in chilled water	0-5℃			0-4℃	
饮料脱氧方式 Water deoxidization method	用CO <sub>2</sub> 气体置换水中的氧气 Deoxidized by CO <sub>2</sub>			真空脱氧 Deoxidized by vacuum system	
预碳化罐 糖浆罐工作压力 Working pressure of pre-carbonation tank and syrup tank(Mpa)	0.05-0.08			预碳化罐(脱气罐) Pre-carbonation tank: -0.08~-0.06	
储存罐工作压力 Working pressure in storage tank(Mpa)	0.2-0.5			0.2-0.5	
功率 Power supply(kw)	1.1	4	4.5	5.2	8.5
外形尺寸 Overall dimension(mm)	900×700×2000	1500×1100×2100	1800×1200×2100	3000×1800×2200	3500×2100×2500
重量 Weight(kg)	500	1000	1200	1800	2800



### 化糖锅 Sugar Melting Pot

化糖的必要设备，带有加热搅拌功能，分为电加热和蒸汽加热两种。

It is necessary sugar melting equipment with function of heating and churning up, dividing into electrical heating and steam heating.



### 糖浆过滤器 Syrup Filters

该设备用于过滤糖浆、果汁、饮料、和鲜牛奶。两个过滤器交替工作。

Used for filter sugar liquor, fruit juice, beverage, and fresh milk. Double filters work alternatively and constantly.



### 搅拌罐 Mixing Tank

该设备用于混合水、糖浆、添加剂和其他材料。

Used for mix up water, syrup, additive, and other material.



### 糖浆冷却器 Syrup cooler

这是碳酸饮料的生产的必要设备，用于冷却糖浆。

It is necessary equipment in carbonated drinks production, specially used for cooling syrup.



### 二氧化碳过滤器 CO<sub>2</sub> Filter

该设备用于净化二氧化碳，结构合理，安全可靠。

Used for purifying carbon dioxide, with reasonable structure and reliable safety.



### 吹干机 Bottle dryer

用于吹掉瓶身上的水珠，方便套标和贴标。

Used for getting rid of water on surface of the filled bottle, to make it easy for labeling.

## 冷水机 Water chiller

制取冷却水，用于和糖浆和二氧化碳混合。产量：3T/H—15T/H

Prepare for cold drinking water, and then use the cold water to mix with syrup and CO<sub>2</sub> in mixing machine. Capacity: 3T/H-15T/H



## 温瓶机 Bottle Warmer

利用循环水喷雾来加热成品，使其达到常温后便于包装。

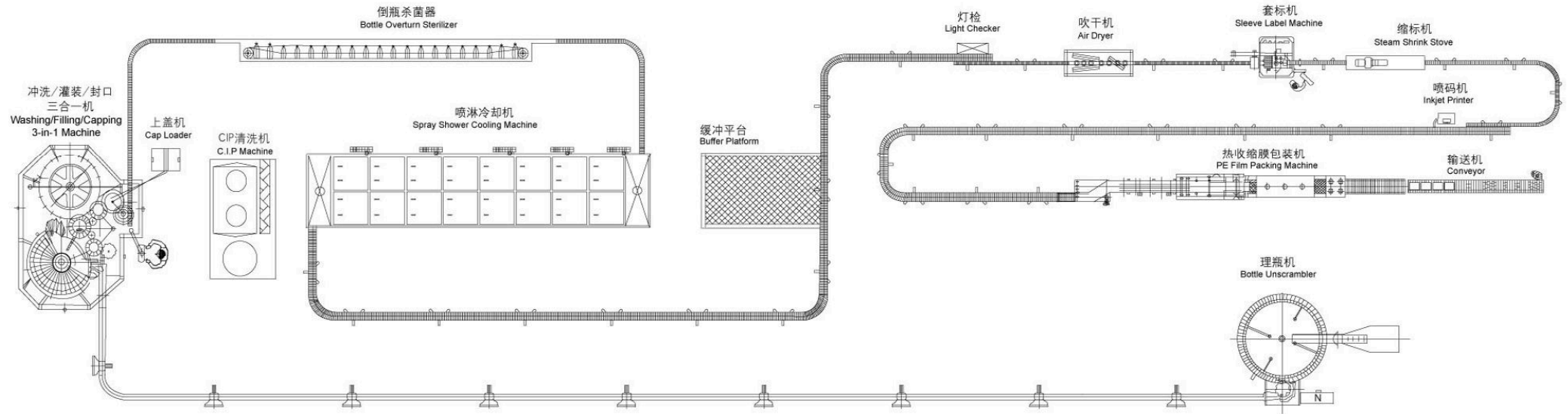
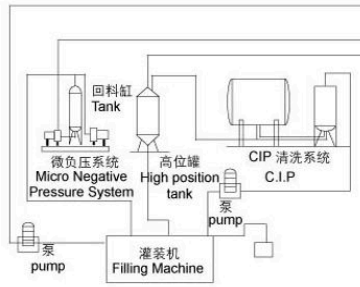
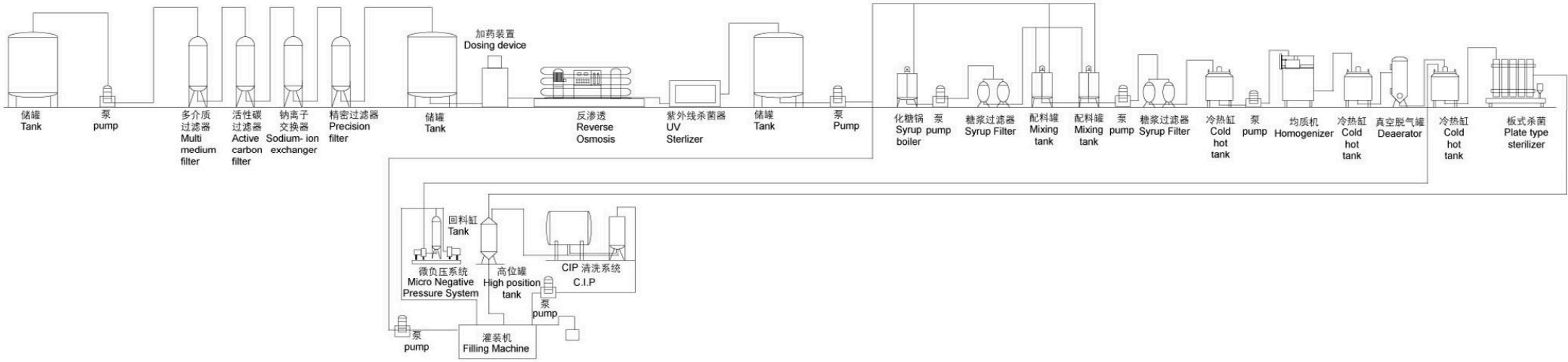
Make use of recycled water to spray and warm-up filled bottles, so that they are easy to be packed at normal temperature.





# 果汁、茶、热灌装饮料生产线工艺流程图

## Technological Flow Chart Of Juice & Tea Hot Filling Line

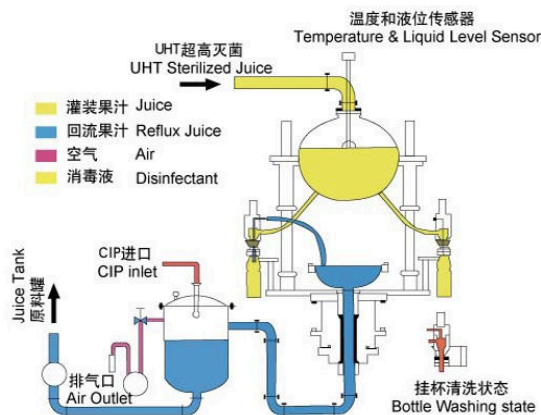


## 热灌装生产线 Hot Filling Line



## 技术参数 Technical Parameter

型号 Model	CGFR16126	CGFR18186	CGFR24248	CGFR323210	CGFR404012	CGFR505012	CGFR606015	CGFR808020
冲洗、灌装、旋盖头数 Heads of washing, filling, sealing	16-12-6	18-18-6	24-24-8	32-32-10	40-40-12	50-50-12	60-60-15	80-80-20
生产能力 Production capacity: 500ml(B/H)	4000	6000	10000	12000	16000	22000	26000	36000
适用瓶型规格 Suitable bottle size	Φ=50-Φ95mm	330-1500ml	Φ=50-105mm	330-2250ml	Φ=50-110mm 330-2500ml			
喷射压力 Spraying pressure(Mpa)	0.25-0.3							
灌装温度 Filling temperature (°C)	80-95							
功率 Power supply(KW)	5	5.8	6.3	9.6	11.5	14	19	24
外形尺寸 Overall dimension(L×W×H)mm	2300×1700 ×2500	2500×1850 ×2500	3100×2100 ×2500	4600×2160 ×2500	4600×3800 ×2500	5000×4700 ×2500	6500×5400 ×2500	7700×6400 ×2500
重量 Weight(kg)	2600	3500	5000	6800	8500	10000	12500	16000



CGFR系列全自动冲洗、灌装、旋盖三合一机引进意大利技术，精工制造，可实现无菌灌装，增加恒温系统，更换部分附件，可适应耐热PET瓶，果汁，茶，饮料等热灌装工艺要求。该机组技术先进，占地面积小，结构紧凑，适用于PET瓶装各种不含气饮料(矿泉水，纯净水，蒸馏水，果汁，茶，饮料等)常温或热灌装，也适用醋等液体的清洗，灌装，封口。是目前最先进的饮料灌装设备。

CGFR series fully automatic rinsing, filling and screw capping combined machine, whose main technique was imported from Italy, can realize to asepsis filling. Because it is equipped with constant temperature controlling system. It can apply to fill hot fruit juice, tea and other beverage into thermal proof PET bottle by changing few parts. The complete set of machine is more advanced in technique, compact structure, it is suitable for normal temperature filling or hot filling PET bottled no gas contained beverage (Mineral water, purified water, distilled water, fruit juice, tea and so on), as well as washing, filling and sealing other liquid, such as vinegar. It is one of the most advanced filling machines at present.



## 热灌装线的前处理设备

### Pre-treatment Facilities For Hot Filling Line



**带式捡果机**  
Belt Type Fruit Selector

主要用于剔除果蔬原料中的烂果、虫果。  
Mainly used to pick out decayed fruit and eat by moth.



**冲浪洗果机**  
Fruit Surf Washer

- 1、该设备适用于各种果蔬类原料的清洗
  - 2、循环水将原料冲向出料方向
- 1、 For cleaning fruits and vegetables.
  - 2、 The circulating water pushes raw materials to the exit.



**提升机**  
Belt-Type Lifter

- 1、链板采用高强度，符合食品卫生的工程塑料
  - 2、视不同工况，线速度可无级调整
- 1、 The chain-plate is made of high-strength engineering plastics which meets the requirement of foodstuff hygiene.
  - 2、 According to different working conditions, the linear speed can adjustable.



**可倾式夹层锅**  
Double-layer Pot

夹层锅是以蒸汽为热源，利用间接加热的方式进行加热的设备，用于水果预煮。  
Double layer pot is an indirectly heating equipment using steam as heat source. In generally it applies to pre-heat fruit.



**果蔬破碎机**  
Fruit & Vegetable Crusher

该机主要用于苹果、梨、桃子等破碎。  
It is mainly used in crushing apple, peach, pear and so on.



**打浆机**  
Beater

该设备用于果蔬类物料的打浆、去渣。浆渣自动分离，特别适用于芒果、桃、苹果等核桃类水果的加工。  
产量：1T/H—10T/H

The equipment is used in beating discarding residue of fruit or vegetable material. Juice is automatically separated from residue. Special in processing mango, peach, apple and other walnut kinds of fruit.

## 热灌装线的前处理设备

### Pre-treatment Facilities For Hot Filling Line



**螺旋榨汁机**  
Juice Screw Extractor

该机适用于葡萄、番茄和浆果类及各种蔬菜类的榨汁，榨汁效率高，并可根据不同的物料调整螺杆与滚筒的间隙。  
This machine is suitable for extracting juice from grape, tomato, fruits and vegetables. Its range of extracting ratio is very wide. The space between screw stem and cylinder can be adjusted according to different material extracted.



**带压式压滤机**  
Belt Press Filter

该机广泛应用于大中型果汁生产、酒精工程以及酿酒、淀粉、饲料等半成品生产；自动进出料；压缩充分；出汁率高，气囊控制，滤带自动纠偏，工作连续可靠。  
This machine is widely used to dewater process in large or middle scale factories for juice production, alcohol, wine, amyllum. High juice(water) extracted ratio. Using gasbag to control. The filtering belt can rectify declination automatically. So the machine can work continuously.



**胶体磨**  
Colloid mill

该机适用于各类乳状液的均质、乳化，广泛应用于果酱、果汁、豆奶、乳制品、饮料、各类糖浆、营养液、中成药、乳化细度2um，同时物料接触部件均采用不锈钢制成，是食品、饮料、制药等混合的最理想设备。  
The machine is suitable for all milky liquids to homogenization and emulsification. It is widely used in fruit catsup, fruit juice, tea, soymilk, milk. All parts touching with medium are made of stainless.



**化糖锅**  
Sugar Melting Pot

化糖的必要设备，带有加热搅拌功能，分为电加热和蒸汽加热两种。

It is necessary sugar melting equipment with function of heating and churning up, dividing into electrical heating and steam heating.



**搅拌罐**  
Mixing Tank

该设备用于混合水、糖浆、添加剂和其他材料。

Used for mix up water, syrup, additive, and other material.



**双联过滤器**  
Double Filters

该设备用于过滤糖浆、果汁、饮料、和鲜牛奶。两个过滤器交替工作。

Used for filter sugar liquor, fruit juice, beverage, and fresh milk. Double filters work alternately and constantly.

## 热灌装线的前处理设备

### Former Treatment Facilities For Hot Filling Line



**冷热缸**  
Heating and Cooling Tank

适用于在低温或高温状态下搅拌液体，也可用于加热、冷却、保温、消毒和储备饮料。  
产量：0.6T—5T。

Applicable to churn up liquid material at the state of low or high temperature, for heating, cooling, keep warm, sterilize and reserve beverage. Capacity: 0.6T-5T.



**真空脱气机**  
Vacuum Degasser

用于果汁等饮料的脱氧，延长饮料保质期。  
产量：1T/H—10T/H

Used for juice deoxygenate under the vacuum state to extend storage term of beverage.  
Capacity: 1T/H-10T/H



**高压均质机**  
Homogenizer

整个机器用不锈钢制成的外壳罩住所有仪表，按钮固定在外罩上，外表光洁，精致美观。适用于现代工业生产。在乳品、食品、制药等行业中得到广泛应用。  
The whole machine is covered by shell which is made of stainless steel. All buttons are fixed on the shell. The appearance is bright and fine. It is used in the modern industry production, as milk industry, pharmacy industry and so on.



**超高温瞬时灭菌器**  
Ultra high-temperature sterilizer (UHT)

该设备主要用于鲜牛奶，果汁，茶饮料，酒精，豆浆等的杀菌。  
产量：1T/H—10T/H

This equipment is mainly used for sterilization for fluid material, such as fresh milk, juice, tea, alcohol, soybean milk and so on.  
Capacity: 1T/H-10T/H



**板UHT杀菌器**  
Plate UHT Sterilizer

主要用于加热消毒果汁，茶饮料，鲜牛奶，和酒精其他热敏感的液体。可以保温，冷却，灭菌温度85—135℃。  
产量：3T/H—15T/H

Mainly used for heating and sterilizing juice, tea beverage, fresh milk, and alcohol and other heat sensitivity liquid, also keeping warm and cooling, with the sterilization temperature at 85-135℃.  
Capacity: 3T/H-15T/H



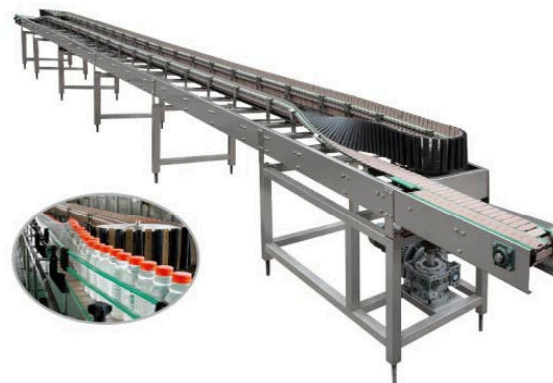
**管UHT杀菌器**  
Pipe UHT Sterilizer

此灭菌器主要用于消毒高粘度的产品，纤维和果肉，高酸度产品。如果汁，果酱，咖啡饮料，灭菌奶。杀菌温度在80℃—140℃。  
产量：3T/H—15T/H

This sterilizer is mainly used for sterilization in high viscosity products with fiber and bigger flesh, and other products with high acidity, such as fruit juice, jam, coffee beverage, sterilized milk. Sterilization temperature is at 80℃-140℃.  
Capacity: 3T/H-15T/H

## 热灌装线的后处理设备

### Finishing Treatment Facilities For Hot Filling Line



**倒瓶杀菌器** Bottle overturn sterilizer

用于瓶口，瓶盖内部灭菌。  
Used for sterilizing at bottle mouth and inside of bottle caps.

### 技术参数 Technical Parameter

产量	Capacity(b/h): 3000-18000
杀菌时间	Sterilizing time(s): 15—20s
输送速度	Belt speed: 4—20m/min
电机功率	Motor power: 2.2kw

## 喷淋冷却机 Spraying And Cooling Machine

利用循环水喷淋冷却成品。喷淋的时间和温度可调。  
Make use of recycled water to spray and cool finished goods. Time and temperature of spraying is adjustable.

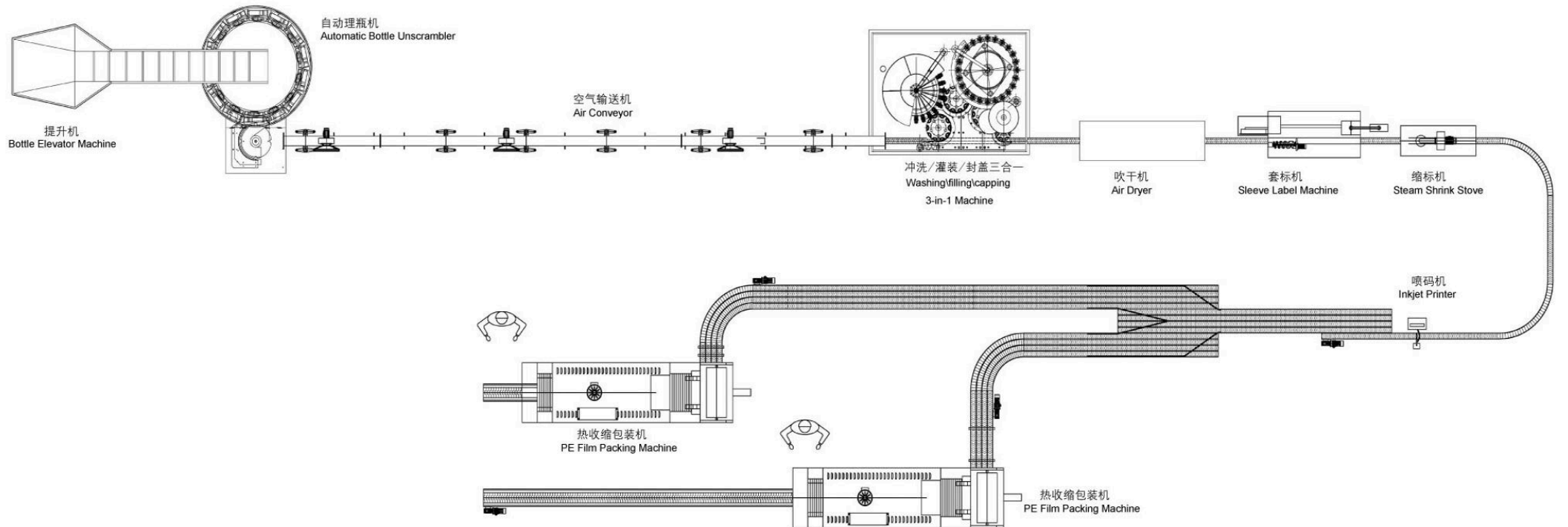
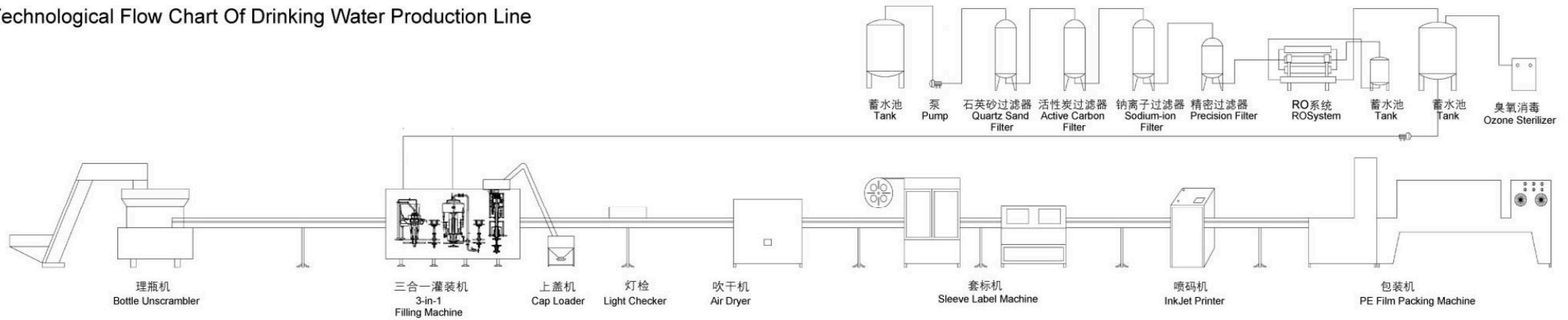


### 技术参数 Technical Parameter

型号	Model	PLJ-4000	PLJ-6000	PLJ-12000	PLJ-36000
生产能力	Production capacity(b/h)	3000—5000	6000—9000	10000—15000	24000—36000
出口温度	Out bottle temperature(℃)	37—45	37—45	37—45	37—45
冷却时间	Cooling time(min)	20-30min	20-30min	20-30min	20-30min
网带宽度	Width of chain(mm)	1220	1200	2000	2000
蒸汽压力	Steam pressure(Mpa)	<0.4	<0.4	<0.4	<0.4
耗水量	Water consumption(m <sup>3</sup> /h)	6	9	15	28
蒸汽用量	Steam consumption(kg/h)	80	120	250	280
电机功率	Motor power(kw)	2.2	3	5	9
外形尺寸	Dimension(mm)	6000x1500x1700	8000x1500x1700	12000x2200x1700	22000x2200x1700
重量	Weight(kg)	2000	3000	4000	6000

# 饮用水工艺生产线流程图

## Technological Flow Chart Of Drinking Water Production Line



## 饮用水灌装生产线 Drinking Water Filling Line



该机集冲洗，灌装，旋盖为一体的全自动多功能联合机组。它适用于各种无气饮料，油醋，果酒，矿泉水，纯净水的自动冲洗，灌装，封口。该线设计独特，样式新颖，功能齐全，适应性强，操作使用方便，外形造型美观，自动化程度高，是目前最先进灌装设备。

The machine is a full-automatic multiple-function washing, filling and capping unit. It is used in washing, filling and sealing all kinds of no gas contained liquid such as fruit juice, oil & vinegar wine, fruit wine, mineral water and pure water. The line has features of unique design, new style, complete functions, multi-purpose, convenient in operation, beautiful construction high automaticity. It is the best filling equipment in China.

### 技术参数 Technical Parameter

型号 Model	CGF16126	CGF18186	CGF24248	CGF323210	CGF404012	CGF505012	CGF606015	CGF808020
冲洗、灌装、旋盖头数 Heads of washing, filling, sealing	16-12-6	18-18-6	24-24-8	32-32-10	40-40-12	50-50-12	60-60-15	80-80-20
生产能力 Production capacity: 500ml(B/H)	4000	6000	10000	12000	16000	22000	26000	36000
适用瓶型规格 Suitable bottle size	Φ=50-Φ95mm 330-1500ml		Φ=50-105mm 330-2250ml		Φ=50-110mm 330-2500ml			
喷射压力 Spraying pressure(Mpa)	0.25-0.3							
功率 Power supply(Kw)	5.8	6.6	7	10.4	11.5	14	19	24
外形尺寸 Overall dimension(L×W×H)mm	2300×1700 ×2500	2500×1850 ×2500	3100×2100 ×2500	4600×2160 ×2500	4600×3800 ×2500	5000×4700 ×2500	6500×5400 ×2500	7700×6400 ×2500
重量 Weight(kg)	2600	3500	5000	6800	8500	10000	12500	16000

## 1加仑灌装生产线 1 Gallon Filling Line

本生产线主要用于液体灌装，集中消毒清洗，灌装，封盖为一体，具有产量稳定，结构简单，操作方便的特点。

This line is mainly used for liquid filling, which concentrates disinfection rinsing, filling, capping together, with features of moderate production capacity, simple structure, and easy operation.



### 技术参数 Technical Parameter

生产能力 (Production Capacity(b/h))	500-3000(b/h)	
灌装容量 (Filling Volume)	3L-10L	
瓶型 (Bottle Material)	各种形状的PVC, PP, PET塑料瓶 All shapes of PVC, PP, PET Plastic bottles	
灌装精度 (Filling Precision)	±2%	
气源压力 (Gas Source Pressure)	0.6-0.8Mpa	
耗气量 (Air Consumption)	50L/min	
功率 (Power)	2.5kW	
尺寸 (Dimensions)(L×W×H)	冲瓶机 washing machine 灌装机 Filling machine 封盖机 Capping machine	1400×1300×1900 1400×1300×1900 1300×1300×2350
重量 (Weight)	1500kg	

## 5加仑桶生产线

### 5 Gallon Barreled Production Line



## 技术特点 Technical Features

本机集清洗、填充和封口机为一体。  
 本机主材为不锈钢，耐腐蚀，易清洁。  
 主要电器元件和电路元件都是国际品牌。  
 水泵是杭州南方（也可选用格兰富）。  
 喷嘴是美国的喷涂系统公司的技术。

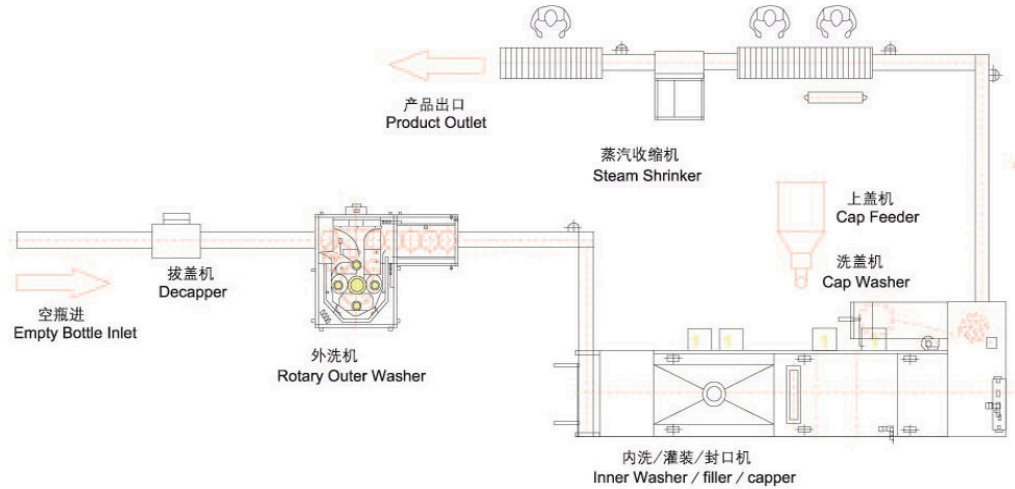
The machine integrates rinser, filler and capper together.  
 The machine is of stainless steel, resisting corrosion and easy to clean.  
 The main electrical components and gas circuit elements are all of international brand  
 Water pump is Nanfang, Hangzhou(Grundfos is available).  
 Nozzle is of America's Spraying System Company's technology.

## 技术参数 Technical Parameter

型号	Model	QGF-100	QGF-200	QGF-300	QGF-450	QGF-600	QGF-900	QGF-1200
灌装头数	Filling heads	1	2	3	4	4	6	8
桶容量	Barrel volume(L)	18.9	18.9	18.9	18.9	18.9	18.9	18.9
桶尺寸	Barrel size(mm)	Φ270×490	Φ270×490	Φ270×490	Φ270×490	Φ270×490	Φ270×490	Φ270×490
产量	Capacity(b/h)	100	200	300	450	600	900	1200
空气压力	Gas pressure(Mpa)	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.6	0.6	0.6
耗气量	Gas consumption(M <sup>3</sup> /min)	0.37	0.37	0.6	0.8	1	1.5	0.8
电机功率	Motor power(kw)	1.38	1.75	3.8	3.8	7.5	9.75	13.5
重量	Weight(kg)	680	800	1500	2100	3000	3500	4500

## 5加仑桶装水生产线工艺流程图

### Technological Flow Chart Of 5 Gallon Barrel Water Production Line



拔盖机  
Decapper



外洗  
Rotary Outer Washer



自动上桶  
Bottle Feeder



内洗/灌装/封口机  
Washer/filler/capper



上盖机/洗盖机  
Cap Feeder And Cap Washer

## 酒类灌装 Liquor Filling

冲洗，灌装，封盖一体。

本机是用于灌装白酒，葡萄酒，伏特加酒

Combine rinsing, filling and capping in monoblock. this machine is use for distilled spirit, wine, Vodka filling.



## 技术特点 Technical Features

灌装阀采用高精机械灌装阀，具有无瓶不抽真空的特点。开式齿轮接结合齿轮箱传动，带有离合装置，变频调速设备扩展了机器的速度调节范围。本机具有自润滑装置，润滑点可以定期加油润滑。该机效率高，噪音低，寿命长。酒缸封盖头可以手动调节，从而适应不同大小的瓶子。灌装缸的液位高度采用传感器控制，从而确保液位精度。

Filling valve adopts high precision mechanical filling valve, with the character of no bottle no vacuum pumpmg. Open Gear combined gear box transmission, with on-off device. Frequency conversion velocity modulation device extends the speed modulating scope.

This machine has self oil lubrication device so that the lubrication points could be lubricated regularly in time. The machine is of high efficiency, low noise and long life.

Wine jar and capping head are driven by hand to fit different sizes of bottles.

The material height in the tank is controlled by electric probe to assure the precise liquid level.



## 技术参数 Technical Parameter

型号 Model	清洗头 Washing heads	灌装头数 Filling heads	旋盖头 Capping heads	生产能力 Production Capacity(b/h)	主电机功率 Power of main motor (kw)
CGFJ18-18-6	18	18	6	5000	2.2
CGFJ24-24-8	24	24	8	8000	3
CGFJ32-32-10	32	32	10	10000	5.5



## 啤酒灌装机 Beer Filling Machine

本机主要用于玻璃瓶啤酒灌装。功能如下：高精度机械灌装阀，无瓶不抽真空。采用外置机械阀，内部设有弹簧和密封圈，两次抽真空和齿轮箱变速。自带润滑装置，润滑点定期润滑。具有效率高，噪音低，寿命长的特点。当灌装或灌酒时发生爆炸，灌装阀将自动关闭，并且清洗装置立即工作。不锈钢磁性料斗可拆卸。封口机可以减少破瓶率。进瓶采用螺旋进瓶。酒罐和封盖头是可以手动调节以适应不同大小的瓶子。灌装缸液位高低有电子探头控制，从而确保灌装精度。

This machine is mainly used for beer filling in glass bottles, with features as blow. With high precision mechanical filling valve, no bottle no vacuum pumping. External mechanical valve has no spring or sealing inside. Twice vacuum pumping and gear box transmission. With self oil lubrication device so that the lubrication points could be lubricated regularly in time. With high efficiency, low noise and long life. When comes blasting during the gas or beer filling, the filling valve will close automatically, and bottle cleaning device will work at once. With stainless steel and magnetic hopper. With outloading function, the capper could decrease the broken bottle number. Bottle in is by guide bar type. Wine jar and capping head are driven by hand to fit different sizes of bottles. The material height in the tank is controlled by electric probe to assure the precise liquid level.



### 技术参数 Technical Parameter

型号 Model	CGFB18-18-6	CGFB24-24-8	CGFB36-36-8
生产能力 Production Capacity(500ml)(b/h)	3000	5000	8000
总功率 Total Power(kw)	6	8	10

## 易拉罐灌装机 Pop-top Can Filling Machine

此灌装机用于铝易拉罐，马口铁罐和塑料罐的灌装封盖，可分为热灌装碳酸饮料灌装。它具有许多优点，封盖质量好，运行稳定，优雅外观，易于操作和维护，生产速度可调。我们可以根据客户要求配置控制系统，这是啤酒及饮料厂最好的选择。

This filling machine is used for aluminum pop cans, tin cans and plastic cans filling and capping, which divides into hot filling and carbonated filling. It has many advantages like good-sealing quality, stable operation, elegant appearance, easy to operate and maintain and speed regulation of produce—speed. We could configure the control system as client's needs, so it is the best choice for brewers and beverage factories.



### 技术参数 Technical Parameter

型号 Model	能力 Capacity	功率 Power (kw)	重量 Weight (kg)	尺寸 Size (mm)
FG18-4	100~120cans/min (335ml)	5.5	3500	3200×2200×2800
FG32-6	280~300cans/min (335ml)	6.5	4200	3900×2500×3000

## 理瓶机 Bottle Unscrambler

此设备适用于高产量的生产线。把杂乱的瓶子成规则的排列，并传递到下一个工艺。  
 This equipment is used along with production line with high capacity.  
 It sorts rambling bottles into line type and conveys to next craft.



## 技术参数 Technical Parameter

型号 Model	能力 Capacity(B/H)	功率 Power (kw)	重量 Weight (kg)	尺寸 Size (mm)
LP-14	6000-8000	1.5	3200	Φ2200×2340
LP-18	15000-18000	3	4200	Φ2640×2340
LP-21	18000-22000	3	4600	Φ3020×2650
LP-24	22000-26000	4	5000	Φ3400×2650

## 输送系统 Conveying system



风力输送 Wind Conveyor



链条输送 Chain Conveyor

## 上盖机 Cap Loader Machine



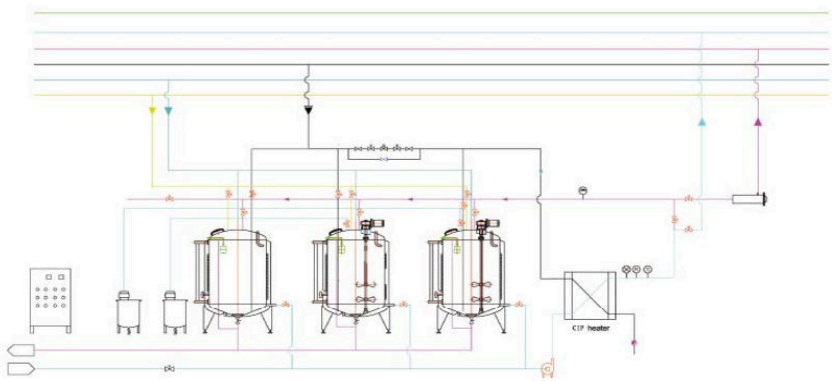
皮带上盖机  
Cap Loader Machine by belt  
wind by belt

风力上盖机  
Cap Loader Machine by wind

## 全自动CIP系统 Automatic CIP System

CIP清洗系统是专门设计用于对饮料生产线和灌装设备进行就地自动清洗的设备，可提供酸洗、碱洗以及热水洗三个程序，设置酸、碱液浓度及热水温度，配置新一代人机对话操作系统，操作安全、使用方便。

CIP is specially designed for the clean up of beverage production line and filling equipment, with three cleaning sections of acid, lye and heated water, in which temperature can be set up for acid, lye and heated water. A new generation of touch screen operation, which is both open-and-shut and easy to handle.



## 技术参数 Technical Parameter

操作压力 Operation Pressure	罐内常压、蒸汽管内 0.3-0.7Mpa Normal pressure in tank, 0.3-0.7Mpa inside the steam pipe
操作温度 Operation Temperature	酸碱罐内、清水罐内、蒸汽管内 60-138℃ In acid and alkaline tank, water pipe, steam pipe is 60-138 C
离心泵流量 Flow of Centrifuge Pump	10T/H
离心泵最大扬程 Max Lift of Centrifuge Pump	35m
电机功率 Power of Motor	2.2kw
外形尺寸 Dimension	3000x1000x2000mm

## 套标机 Sleeve Labeling Machine

此套标机用于饮料生产线上对瓶子进行套标和缩标。

产量：10000BPH - 36000BPH.

Sleeve labeling machine is used for labeling and shrinking with shrink oven.

Capacity: 10000BPH to 36000BPH.



## 贴标机 Labeling Machine

本机适用于贴玻璃瓶，塑料瓶和金属罐的纸标签。

贴标速度：30pcs/min-200pcs/min

This machine is suitable for glass bottles, plastic bottles and metal can of paper labeling.

Labeling speed: 30pcs/min-200pcs/min



## 自粘不干胶贴纸标签机 Self-adhesive Stick Labeling Machine

贴标速度：高达200pcs/min

Labeling speed: up to 200pcs/min



## DL18-8-6型贴标机

### DL18-8-6 Full Automatic Rotary Labeler



#### 该机型特点

- 引用可编程控制器，交流变频调速装置和无接触传感技术，在运行中可自动进行多区段无级调速，调速范围宽，精度高，速度转换平稳可靠。
- 触摸屏图形显示式操作面板可全方位地监视运行状态。运转可靠，形象逼真，使用方便，操作宜人。多种安全防护和状态自动功能，进一步提高了自动化程度。整机结构紧凑，布局合理，维护简易，安全可靠。
- Adopting PLC control system, frequency conversion and touchless sensor therefore capable of automatically and sequentially adjusting the speed in certain wide ranges and therefore of high accuracy, liability and stability of speed conversion.
- The membranous keyboard and the control panel in graphic screen allow the complete monitoring of the operating and therefore of liable operating, authentic graphy, easy use and friendly interface. Utilizing multi-safety and automatic status protector to enhance the lever of automating. Compact and rational design of the structure, easy maintenance, safety and liability.

#### 技术参数 Technical Parameter

项目	Project	规格与数据 Specifications and data
名称	Name	回转式全自动贴标机 Rotary automatic labeling machine
型号	Model	DL18-8-6型贴标机 DL18-8-6 Full Automatic Rotary Labeler
适应瓶子规格	Bottle size	直径dia: 50-90mm 高度Height: 150-300mm
生产能力	Range of output capacity	4000-24000瓶/小时(b/h)
贴标数目	Labeling quantity	身标1个(1 body tag) 颈标1个1 neck tag 顶标1个1 circular top tag 背标1个1 back tag
取标装置头数	Number of heads acquiring labels	身标8个8 body tags 颈标8个8 neck tags 顶标8个8 circular top tags 背标8个8 back tags
夹标装置头数	Number of heads pinching labels	身标6个6 body tags 颈标6个6 neck tags 顶标6个6 circular top tags 背标6个6 back tags
托瓶压瓶头数	Number of propping / pressing heads	18个
标纸宽度	Label width	50-135mm
标纸盒容量	Capacity of labeling box	7000张(pieces)
气源压力	Air pressure	0.35-0.5Mpa
气源流量	Air flow	0.9m³/min
主电机功率	Main motor power	4KW
重量	Weight	5000kg
外形尺寸	Overall dimension	(长L×宽W×高H) 2140×2030×2400mm

## 全自动热收缩包装机 Full Auto Thermal Shrinking Packaging Machine

该设备是适合大型和高速生产线。它每分钟可以包25-30包。

It is suitable for large type and high speed production line. It can package 25—30 packs per minute.



## 热收缩包装机 Thermal Shrink Packaging Machine

热收缩包装机用于包装成品并收缩膜，可以每包6瓶，12瓶或24瓶。有2种类型分为全自动和半自动，生产能力8到10包/分钟。

Thermal shrink packaging machine is used for packing finished goods and shrinking by film to make every pack with 6 bottles, 12 bottles or 24 bottles. There are 2 types dividing into full automatic and semi-automatic, with capacity of 8 to 10 packs/min.



## 纸箱装箱机 Carton Packing Machine

纸箱包装机用于把成品装到纸箱里。分为半自动和全自动。  
Carton packaging machine is used for packaging finished goods in cartons. Divided into semi-auto and full-auto.

## 纸箱开箱机 Carton Machine

### 技术参数 Technical Parameter

纸箱尺寸	Carton size	(L) 200-500 (W) 150-420 (H) 100-500MM
工作台高度	Table height	650mm
速度	speed	500-720(ctns/hr)
外形尺寸	outline size	(L)2000(W)1900(H)1200mm
功率	power	0.4kw
气源压力	Air pressure	0.35-0.5Mpa
胶带尺寸	adhesive tape size	48mm&75mm
重量	weight	350kg

## 全自动纸箱装箱机 Automatic Carton Packing Machine

装箱机采用伺服电机驱动，全自动操作。本机精巧，稳定，美观，经济，方便。抓手由气缸驱动，更稳定，并且高度可调。

The carton packing machine driven with servo motor system is designed by ourselves, operated with automatic. It is small, beautiful, stable, economical and convenient. The gripper driven by cylinder is stable, exactable and high adjust.

### 技术参数 Technical Parameter

速度	speed	500-720(ctns/hr)
压缩空气	Air compressure	0.6-0.8Mpa
功率	Power	3.5kw
瓶型	bottle	玻璃瓶，塑料瓶 glass and pet bottle
重量	Weight	1200kg



## 全自动折叠式封箱机 Automatic Folding Style Carton Sealing Machine

该机配备在纸箱装箱系统上，具有同时自动折叠，利用粘性胶带密封上下两底的功能。  
This automatic folding style carton sealing machine is the flowing line equipment which is a bulk of cartons is sealed automatically and sealing the upwards and downwards adhesive tape.

### 技术参数 Technical Parameter

纸箱尺寸	Carton size	(L) 200-500 (W) 150-420 (H) 100-500MM
速度	Speed	500-720(ctns/hr)
功率	Power	0.4kw
气源压力	Air pressure	0.35-0.5Mpa
胶带尺寸	Adhesive tape size	48mm&75mm
重量	Weight	180kg