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Zhangjiagang City BIEVO Machinery Co., Ltd.

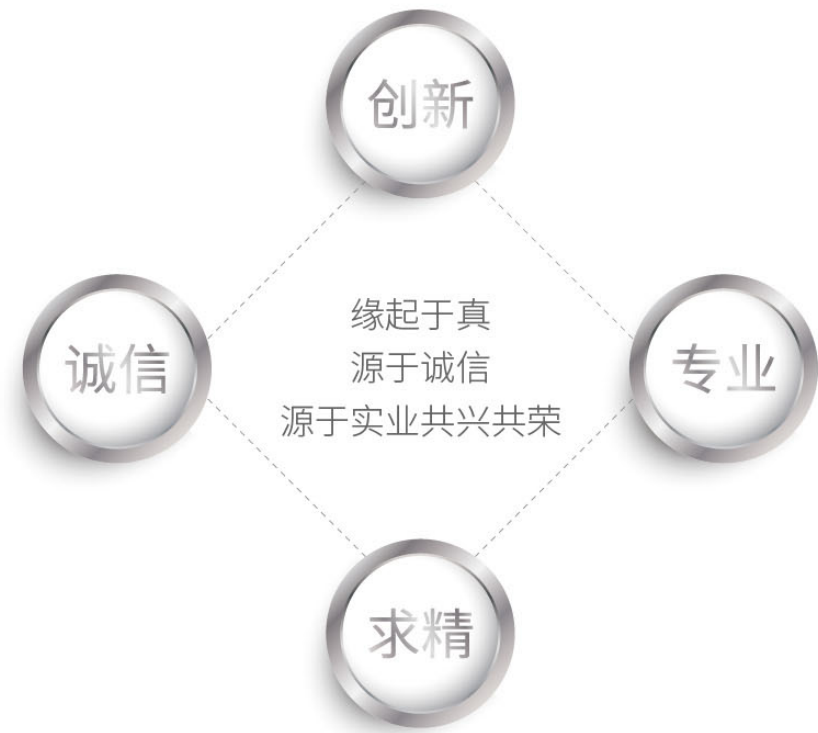
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PROFESSIONAL
BEVERAGE FILLING LINE
MANUFACTURER
专业饮料灌装生产线制造商

BEVERAGE MACHINERY

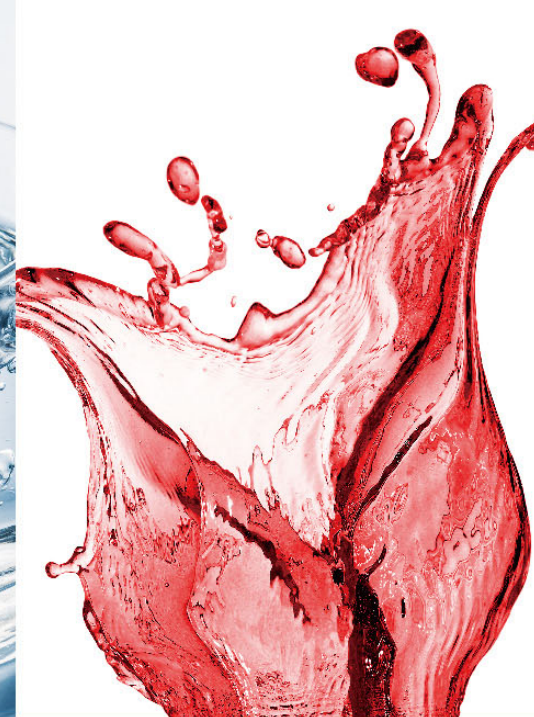
张家港市百沃机械有限公司
ZHANGJIAGANG CITY BIEVO MACHINERY CO., LTD.



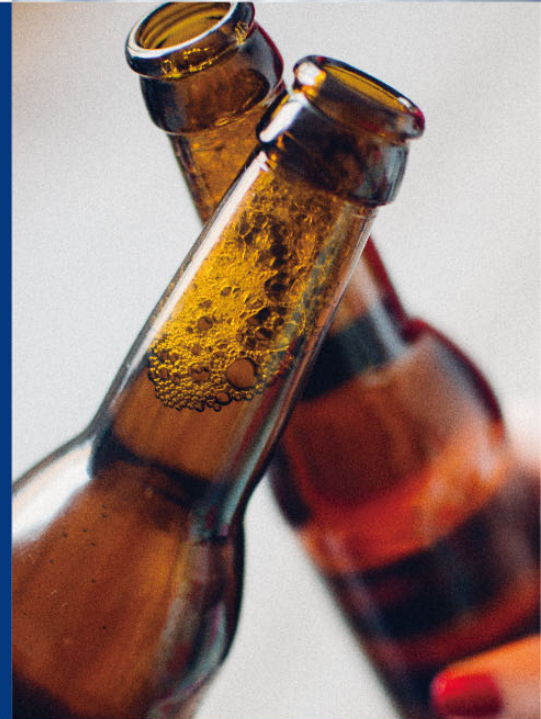


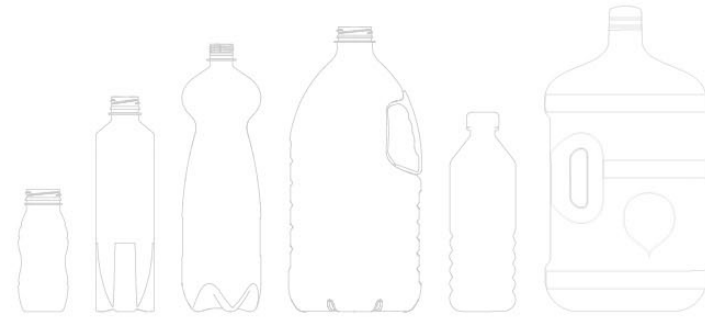
*Sincerity and accomplishes mutual prosperity
and boom of business*

Welcome distributors and end-users around the world
to cooperate with us, we look forward to receiving your
inquiries in near future...



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关于我们 About Us

张家港市百沃机械有限公司是从事食品饮料机械的专业制造商，一个集开发、科研、设计、生产制造和技术服务及市场营销于一体，专业设计制造成套饮料包装机械设备的骨干企业。

本公司严格贯彻“信誉第一、服务至上、质量上乘”的企业营销理念，推出了具有国际先进水平的以下生产线：含气饮料成套生产线，果汁、茶饮料成套生产线，纯水、矿泉水成套生产线，白酒、啤酒灌装生产线等，热忱欢迎您前来我公司考察指导，合作共赢！

Zhangjiagang City Bievo Machinery Co., Ltd. is a professional food and beverage machinery manufacturer. Bievo has its own special advantages in the research, design and manufacture, and offers technical support to customers. We also provide perfect after-sales service.

Our Beverage Machinery includes carbonated soft drink production lines; non-aerated beverage bottled filling production lines and juice/tea beverage/wine bottled/barreled filling production lines. You are welcome to cooperate with us.



公司主要产品：

- 每小时 2000-36000 瓶纯净水、矿泉水生产线
- 每小时 2000-36000 瓶果汁、茶饮料热灌装成套生产线
- 每小时 2000-36000 瓶含气饮料等压灌装成套生产线
- 每小时 2000-12000 瓶酱油、醋、食用油灌装包装生产线
- 每小时 60-1200 桶 3/5 加仑大桶饮用水生产线
- 每小时 60-1200 瓶 1 加仑小桶饮用水生产线
- 每小时 0.5-20T 产量豆奶、花生奶饮料生产线
- 每小时 1-20T 产量复合果蔬汁加工设备
- 每小时 2-20 水处理设备（矿泉水、纯净水、饮料加工用水）
- 其他相关设备：理瓶机、倒瓶杀菌机、喷淋冷却系统、CIP 清洗系统、UHT 超高温瞬时灭菌、套标机、吹瓶机等。

Our main products:

- Middle and small size mineral water and pure water production lines. The output is 2,000 to 36,000 bottles per hour.
- Juice and tea beverage machinery hot filling production lines. The output is 2,000 to 36,000 bottles per hour.
- Carbonated beverage machinery pressure filling production line. The output is 2,000 to 36,000 bottles per hour.
- Soy sauce, vinegar, edible oil filling production line. The output is 2,000-12,000 per hour.
- 3, 5-gallon barreled drinking water production line. The output is 60 -1200 barrels per hour.
- One gallon bottled drinking water production line. The output is 600-1200 bottles per hour.
- Soy milk, peanut milk beverage production line. The output is 0.5-20T per hour.
- Compound fruit and vegetable juice/powder processing equipment. The output is 1 to 20 tons per hour.
- Water treatment (mineral water, purified water, food process water) equipment. The output is 2-20T per hour.
- Related equipment: bottle unscrambler, reversing bottle machine, spray cooling machine, enrichment equipment, CIP cleaning machine, UHT instantaneous sterilizer, labeling machine, blow molding machine

整厂设计 Whole Plant Design

作为饮料设备供应商，除了质量、性能和价格外，我们更注重“交货”。

百沃致力于成为饮料制造商的战略合作伙伴。我们愿以专业的设备解决方案，帮助您打造领先的技术、卓越的性能和最有效的生产线。

As a beverage equipment supplier, except the quality, performance and price, we focus more on the "delivery".

BIEVO is committed to be a strategic partner of the beverage manufacturers. We'd like to help you build leading technology, excellent performance and most efficient production line with our professional equipment solutions.



我们的包装解决方案包括三个常见的饮料包装形式，如PET瓶，玻璃瓶和罐，我们有完整的生产线支持能力。

Our packaging solutions cover three common forms of beverage package like PET bottles, glass bottles and cans, and we have complete production line supporting capability.

产品解决方案

Product solution

我们将根据您的产品特点和市场状况给您提供建议，同时将为您的产品包装形式、生产能力、产品定位和投资计划等提供一站式专业的评估和策划。

We will give you advice according to your product features and market position; we will provide professional evaluation for your product packaging forms, production capacity and investment plan.

工艺流程和设备的选择

Technical flowchart and equipment selection

我们将帮助您选择最佳的工艺流程，评估风险和收益，提供最佳设备和辅助设备的选择，寻求整个线路设备的最佳匹配，并获得最佳的投资回报率。

We will help you choose the best technical flowchart, assess the risks and benefits, provide the best single equipment and auxiliary equipment selection, seek the optimum match of the whole line equipment, and get the best return investment rate.

工程的设计与安装

Engineering design and installation

全厂工程设计理念，积累了工程经验；优秀的工程设计团队，专业、高效、久经考验的安装队伍。

Whole plant engineering design concept, accumulated engineering experience; excellent engineering design team, professional, efficient, and long tested installation team.

培训及售后服务

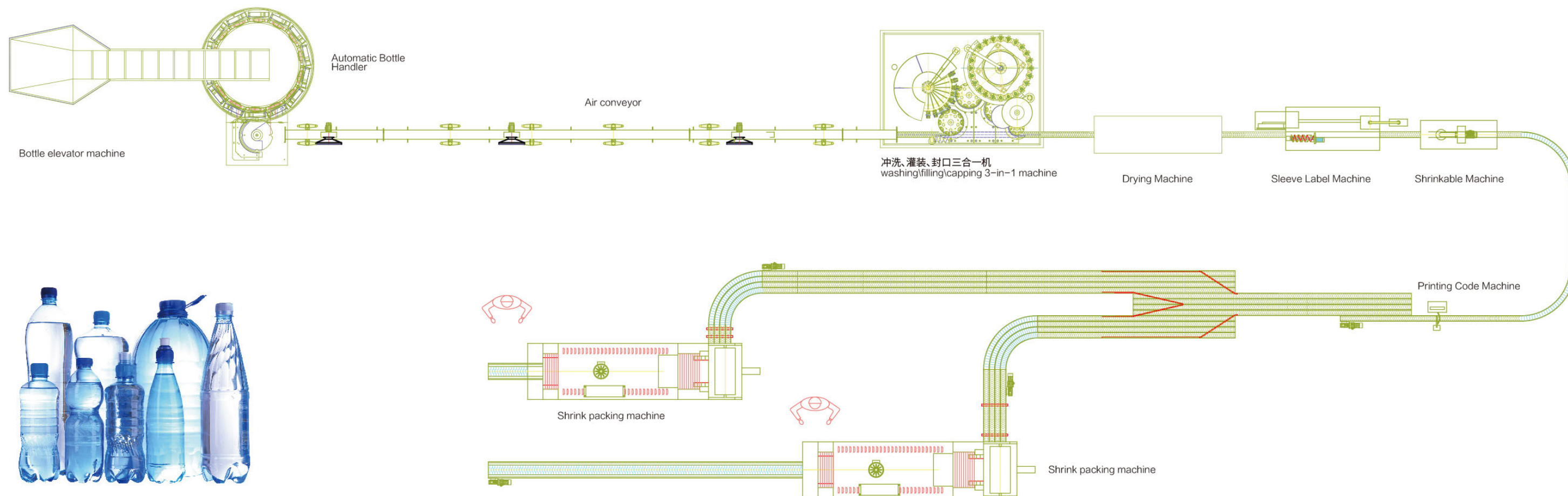
Training and after-sale service

通过专业培训，帮助您的设备人员提升技能，确保正确的操作和维护。备件供应充足，售后服务快捷。

Through professional training, help your equipment staff upgrade their skills, to ensure the proper operation and maintenance. Adequate supply of spare parts, and rapid response after-sales service.

The Production Line of Water

纯净水生产设备工艺流程图



CGZ Series

Washing, Filling, Capping 3-in-1 Unit for Water

纯净水, 矿泉水冲洗灌装封口三合一机组

用途

本系列设备主要用于聚脂瓶装各种矿泉水、纯净水等饮料的生产, 在一机上实现冲瓶、灌装、封盖。

Application

This series equipment is used in the production of non-carbonated drink, such as mineral water and purified water, etc. Washing, filling and capping are integrated into one machine.



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1、整机采用卡瓶颈悬挂运行工态设计, 从而使瓶在高速运行状态下平稳, 可靠, 同时大大减少了变更件的数量, 更换瓶型时更加方便快捷。

2、采用新一代不锈钢翻转式瓶夹, 使钳夹与瓶口螺纹以上不接触, 并设有喷头, 使瓶内壁冲洗充分、无死角。

3、采用先进的重力灌装原理, 灌装快、稳、准。

4、采用磁力扭矩式拧盖头, 实现抓盖、拧盖。拧盖力矩无级可调, 封口严密可靠、且不伤盖。

5、整机采用人机界面触摸屏按钮、PLC电脑控制、设有缺盖、过载保护报警装置, 能及时发现及排除故障, 生产自动程度高。

6、与水接触的零部件均采用优质不锈钢制造, 主要电器元件均采用国际知名厂家产品。

(1)The suspending bottle-neck clamping design make the bottle stable during the high-speed moving conditions. By changing a few parts, it can meet the need of production of different types of bottles easily.

(2) The new generation of stainless steel grab is adopted and the grabs have no contact with the area above the bottle's screw thread. Nozzles in the grab can guarantee the complete wash of the interior of the bottle.

(3) The advanced gravity filling technology used in this machine makes the filling quick, steady and accurate.

(4) Magnetic torque is used for screw capping, and the power of screw capping can be adjusted steplessly. Capping is reliable and do no harm to the caps.

(5) Advanced technologies, such as human-machine interface touch-screen and PLC program control are adopted in this machine.

(6)All parts that have direct contact with the water are made of high quality stainless steel. The critical electrical components are from famous international companies, such as Mitsubishi, Omron to name a few.

主要技术参数 Main Technical Parameters

型号	Model	CGZ12-12-6	CGZ18-18-6	CGZ24-24-8	CGZ32-32-8	CGZ40-40-10	CGZ50-50-12	CGZ60-60-15
生产能力	Production Capacity(bph)	2000-4000	5000-6000	8000-12000	12000-15000	16000-20000	20000-24000	25000-28000
聚酯瓶规格	Applicable Bottle Type	瓶颈(Bottle Diameter) $\Phi 50-\Phi 100\text{mm}$; 瓶高(Height) 150-320mm; 容量(Volume) 330-1500ml						
适用盖形	Applicable Cap Shape	塑料螺纹盖(Plastic Screw Cap)						
气源压力	Gas Source Pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6
耗气量	Gas Consumption(m^3/min)	0.4	0.4	0.6	0.6	0.6	0.8	0.8
总功率	Total Power(kw)	4.6	4.6	6.4	7	11	12	15
总重量	Weight(kg)	2500	3300	4800	6000	8000	9500	12300
外形尺寸	Dimension(L*W*H)(mm)	2450*1650*2100	2600*1800*2100	3000*2200*2400	4000*2220*2400	4100*2700*2600	4500*3400*2600	5400*4100*2600

3-10 Liters

Washing, Filling, Capping 3-in-1 Unit for Water

大瓶水 (3-10L) 冲洗、灌装、封口三合一机



该生产线是专供塑料桶清洗、灌装、封盖的生产设备。由于该生产线引进了欧洲国家先进和成熟技术具有整机自动化程度高、适应性强、操作方便、安全性能好等优点。

该设备适用+自动灌装3-10L纯水的设备，适用各种异形瓶，灌装量连续可调，每只灌装阀可微调，其技术水平领先于国内同行业同类产品。

This line is specially used for the equipments of plastic barrels washing, filling and capping. As this line has introduced the advanced and mature technology of the European countries, with the high degree of automation, adaptable, easy to operate, good safety performance advantages.

The equipment is suitable for automation filling 3-10 liters of pure water and different bottles, and volume can be adjusted continuously. Each filling valve can be micro-adjustment. Its technology is in the leading position in this field in China.

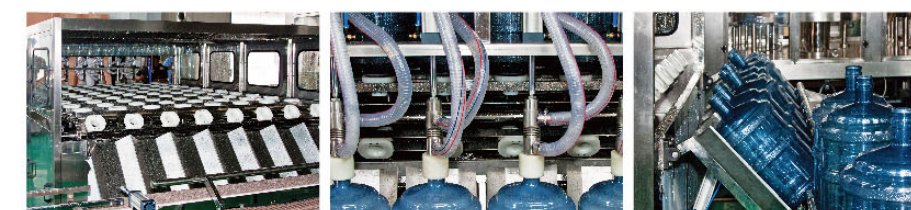
主要技术参数 Main Technical Parameters

型号	Model	JCGX4-4-1	JCGX12-12-4	JCGX16-16-4	JCGX20-20-5
生产能力(5L)瓶/时	Production capacity(bph)	500-600	2000-2500	3000-3500	3500-4000
适用瓶型	Suitable bottle diameter(mm)	φ=110-220 H=170-380			
喷冲压力	Spraying pressure(kg/cm ²)	2-3			
主电机功率	Motor power(kw)	3.0	4.0	5.5	7.5
外形尺寸	Overall dimension(L*W*H)	3200*1400*2500	3800*2100*2550	3800*2300*2800	4500*2800*2900
重量	Weight(kg)	2500	4800	5500	7500

QF Series

Full Automatic Barrel Filling Production Line

全自动桶装水生产线



该生产线是专供3-5加仑桶装饮用水生产之用，型号有100型、200型、300型、450型、600型、900型、1200型。该系列桶装生产线由洗瓶、灌装、封口三部分组成。洗瓶机采用多道洗涤液喷射和消毒液喷射，达到洗涤、消毒的目的，消毒液可以循环使用。封口机可以自动封口，输送瓶盖过程口配有位淋装置，以确保瓶盖无菌清洁。该系列生产线均可自动洗涤、消毒、灌装、压盖、计数和输出。具有功能齐全、设计新颖、自动化程度高等特点，是集机、电、气一体的新型饮用水桶装设备。

This filling specially produce 3-5 gallons barreled drinking water. Production capacity 100-1200 (barrels/hour). It integrates bottle washer, filler and sealer into one unit. In order to achieve the purpose of multiple injections of washing and sterilizing by means of liquid, washing and sterilizing are used in bottle washer. Sterilizing solution can be used circularly. The sealer can seal barrel caps automatically. This line equips with water spraying device to sterilize caps of bottles to ensure caps are aseptic and healthy. Also this line can automatically feeding, washing, sterilizing, filling, capping, counting and products discharging. It is a new kind of barreled water auto-production line, which integrates mechanism, electricity and pneumatics technology together.

主要技术参数 Main Technical Parameters

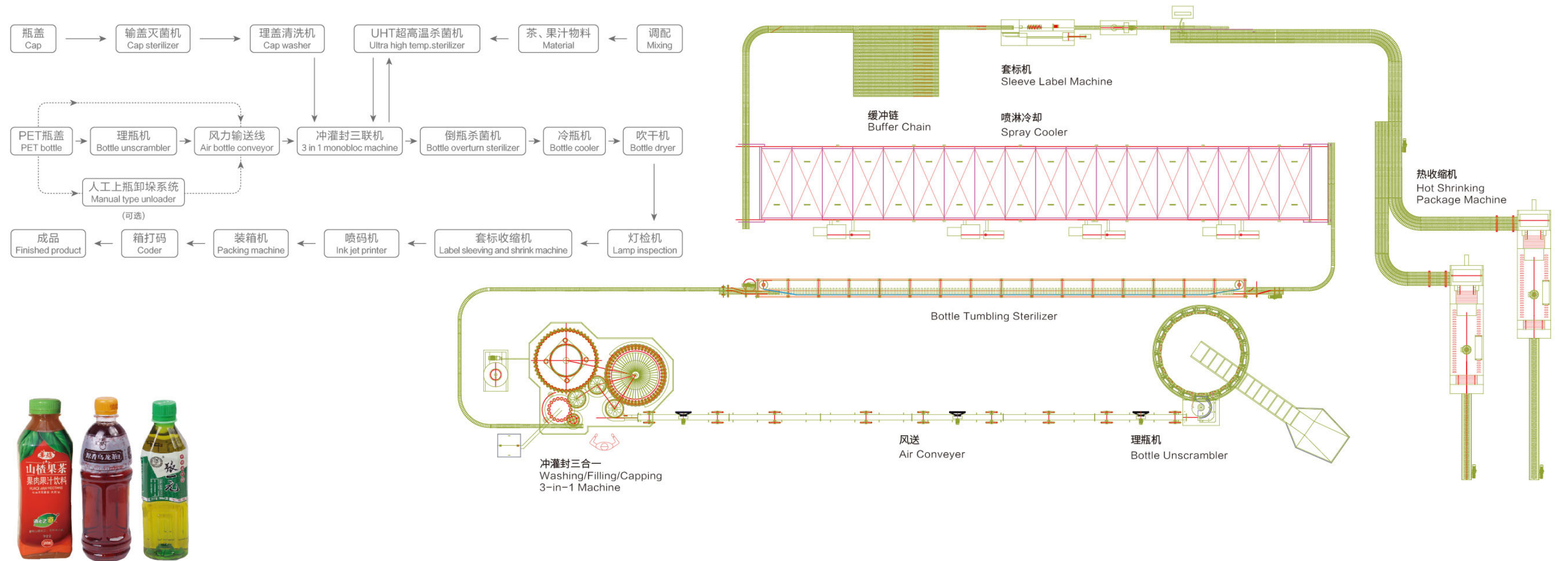
型号	Model	QF-100	QF-300	QF-450	QF-600	QF-900	QF-1200
灌装头数	Filling Heads	1	2	3	4	6	8
灌装容量	Volume(L)	18.9	18.9	18.9	18.9	18.9	18.9
桶形规格	Barrel Size	φ270*490	φ270*490	φ270*490	φ270*490	φ270*490	φ270*490
生产能力	Capacity(b/h)	100-120	200-300	450	600	900	1200
气源压力	Gas Pressure(Mpa)	0.4-0.6	0.4-0.6	0.4-0.6	0.6	0.6	0.6
耗气量	Gas Consumption(m ³ /min)	0.37	0.6	0.8	1	1.5	1.8
电机功率	Motor Power(kw)	1.38	3.8	3.8	7.5	9.75	13.5
额定电压	Rated Voltage(V)	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
重量	Weight(kg)	680	1500	2100	3000	3500	4500

Juice And Tea Hot Filling Production Line Fruit Juice and Tea Drink Factory Layout

茶、果汁饮料工艺流程图

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RGZ Series

Washer, Filler and Caper 3-in-1 Unit for Fruit Juice or Tea Drink

果汁, 茶饮料热灌装三合一机组

用途

本系列设备集洗、灌、封为一体，主要适用于各种耐热PET瓶果汁、茶饮料的热灌装生产。也可以用于纯净水、矿泉水的灌装。

Application

This series of machine integrates washing, filling and capping into one unit, it can be used for hot-filling production of different kinds of fruit juice, and also can be used of the filling of purified and mineral water.



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1、整机采用卡瓶悬挂运行工况设计，从而使瓶在高速运行状态下平稳、可靠。更换极少的变更件，可快捷、轻松地实现不同瓶型的生产之需。

2、采用新一代不锈钢翻转式瓶夹，使钳夹与瓶口螺纹以上部分不接触，瓶夹上装有喷头，可冲洗瓶子内壁任何部位。

3、采用先进的微负压重力式灌装原理，灌装快、稳、准。物料仓为全封闭结构，设有温度自控和自动回流功能，并提供CIP清洗接口。

4、本机能满足95°C以下热灌装技术要求。在封盖前设有对瓶口R.O.水冲洗装置，确保瓶口无发霉现象。

5、采用磁力扭矩式拧盖头，实现抓盖、拧盖。拧盖力矩无级可调，封口严密可靠、且不伤盖。

6、整机采用人机界面触摸屏按钮、PLC电脑控制、设有缺盖、过载保护报警装置，能及时发现及排除故障，生产自动化程度高。

7、与物料接触的零部件均采用优质不锈钢制造，主要电器元件、气动元件均采用国际知名厂家产品。

(1) The suspending bottleneck damping design make the bottle stable during the high-speed moving conditions. By changing a few parts, it can meet the need of production of different types of bottles easily.

(2) The new generation of stainless steel grab is adopted and the grabs have no contact with the area above the bottle's screw thread. Nozzles in the grab can guarantee the complete wash of the interior of the bottle.

(3) The advanced micro negative pressure filling technology used in this machine makes the filling quick, steady and accurate. The beverage-holding tank is fully-closed and also, temperature-control device and CIP washing interface are installed.

(4) The machine can meet all the technical requirements for hot-filling below 95°C. And before capping, bottle-mouth will be cleaned by R.O. washing device.

(5) Magnetic torque is used for screw capping, and the power of screw capping can be adjusted steplessly. Capping is reliable and do no harm to the caps.

(6) Advanced technologies, such as human-machine interface touch-screen and PLC computer program control are adopted in this machine.

(7) All parts that have direct contact with the beverages are made of high quality stainless steel. And many critical components such as the decelerator, the motor, are from famous international companies.

主要技术参数 Main Technical Parameters

型号	Model	RGZ12-12-6	RGZ18-18-6	RGZ24-24-8	RGZ32-32-8	RGZ40-40-10	RGZ50-50-12	RGZ60-60-15
生产能力	Production Capacity(bph)(500ml)	2000-4000	4000-6000	8000-10000	10000-13000	14000-16000	17000-20000	20000-25000
灌装方式	Way of Filling	重力微负压灌装 Gravity Micro Negative Pressure Filling						
灌装回流量	Filling Feedback Quantity	≤8%						
聚酯瓶规格	Applicable Bottle Type	瓶颈(Bottle Diameter)Φ50-Φ100mm; 瓶高(Height)150-320mm; 容量(Volume)330-1500ml						
气源压力	Gas Source Pressure(Amp)	0.6						
耗气量	Gas Consumption(m3/min)	0.4	0.4	0.6	0.6	0.6	0.8	0.8
总功率	Total Power(kw)	4.6	4.6	6.4	7	11	12	15
总重量	Weight(kg)	2500	3300	4800	6000	8000	9500	12300
外形尺寸	Dimension(L*W*H)(mm)	2450*1650*2100	2600*1800*2100	3000*2200*2400	4000*2220*2400	4100*2700*2600	4500*3400*2600	5400*4100*2600

Tubular Sterilizing System 管式杀菌机

全自动多管式超高温瞬时杀菌系统为全自动化PLC控制，产量有3-10吨/小时可供选择。该机分四个自控单元：预杀菌自控单元、正常生产单元、水循环自控单元、CIP清晰自控单元。针对低酸性产品灌装工艺要求和水的温差控制-系统配有封闭的过热水预杀菌系统，杀菌高效可靠，生产前后的CIP和SIP系统设计，满足生产设备的清洗和杀菌要求。本套全自动管式超高温瞬时杀菌系统关键部件均选用世界著名厂商：ALFA, LAVAL, APV, SPIRAX, SARCO, SIEMENS, FESTO等产品。

Pipe-type UHT is PLC controlled, with optional capacity from 3t/hr to 10t/hr, the whole system is automatically controlled in four units, pre-sterilization, normal production, water recycling and CIP. With technical requirement for acidic products and temperature control for water, sealed pre-sterilization system for ultra-high temperature water is equipped to ensure high efficiency. CIP and SIP are designed for the demand of cleaning and sterilization. Main components are from world famous suppliers as Alfa Laval, APV, SPIRAX, SIEMENS, FESTO, etc.



Ultra High Temperature Plate Sterilize 板式超高温杀菌机组

板式超高温瞬时杀菌系统为智能化PLC自动控制，产量有3-10吨/小时可供选择。针对饮料低温、中温、高温、热灌装的工艺要求，系统将板片工作段分为无菌工作段和一般工作段，选用七段换热机组的工艺设计，有效的利用热源，将能耗降到最低，完善的CIP和SIP系统设计，满足生产设备的清洗和杀菌要求。物料杀菌升温加热和灌装出口温度的调整，均采用过热水作介质，温控精度高。本套自动板式超高温瞬时杀菌系统，关键部件均选用世界著名厂商：ALFA、LAVAL、APV、SPIRAX、SARCO、SIEMENS、FESTO等产品。

Plate-type UHT is PLC controlled, with optional capacity from 3t/hr to 10t/hr. The system works in aseptic section and normal section, for the technical requirements of filling at low temperature, normal temperature and high temperature. The seven-section heat exchanger ensures minimum consumption of energy, and perfect design of CIP and SIP satisfies the demand of cleaning and sterilization. Ultra-high temperature water is employed as the media for the heating of materials and temperature adjustment of filling exit, featuring high accuracy. Main components are from world famous suppliers as ALFA, LAVAL, APV, SPIRAX, SARCO, SIEMENS, FESTO etc.



RSCG01-1 Type UHT Instantaneous Sterilizer 超高温瞬时灭菌机

本设备主要用于鲜奶、果汁、饮料、酒类等流体物料的杀菌，也可以用于豆浆，流体物料的灭菌。

The equipment is mainly used in the sterilization of liquid materials such as fresh milk, juice, beverage and alcohol as well as soybean meal and fluid medicines.



ZHP Series Double Filter 双联过滤器

该设备适用于除去鲜奶、糖液、饮料、果汁等液体各种肉眼看不到的固体杂质，两只过滤器交替使用，可不停机更换滤布，适用于长期连续生产。

The equipment is mainly used to get rid of all kinds of invisible solid impurities in fresh milk, sugar solution, drinks and other liquid, the two filters can filter in turn and filter cloth can be changed in the production process.



GJB Series High Pressure Homogenizer 高压均质机

整个机器用优质不锈钢制成的外壳，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，并在乳品，食品，制药等行业中得到了广泛的应用。

The whole machine is covered by shell which is made of polished stainless steel. All panel buttons are fixed on the shell. The appearance is bright and delicate. It is widely used in the modern industry, food industry, pharmacy industry and so on.



TQ Series Vacuum Derating Machine 真空脱气机

该设备是果蔬汁、果茶蛋白饮料等生产线中不可缺少的设备之一，主要用于调配后的果蔬汁在真空状态下脱气（氧气），从而达到防止果蔬汁氧化，延长果蔬汁储存期的目的。

The degasser is one of the necessary equipment in fruit juice or fruit tea production line. It is mainly used for degassing the homogenized juice under vacuum condition and prevent the juice from being oxidized and then to prolong the storing period of the juice.



Automatic CIP Spot Rinsing System 自动CIP清洗系统

CIP清洗设备用于乳品、果汁、饮料等行业物料管道和容器设备的清洗。CIP利用离心泵输送清洗液在物料管道和设备容器内进行强制循环，达到清洗目的而不需要对管道设备拆卸，提高设备利用率，减少劳动强度。

The CIP equipment is used to clean on-site of material pipe and devices of the industries like milk products, beverage and etc. A centrifugal pump is used in CIP to convey cleaning liquid into material pipe and equipment to force the cleaning liquid to circulate to make cleaning without taking apart pipes or equipment availability can be improved and intensity of labor lessened.

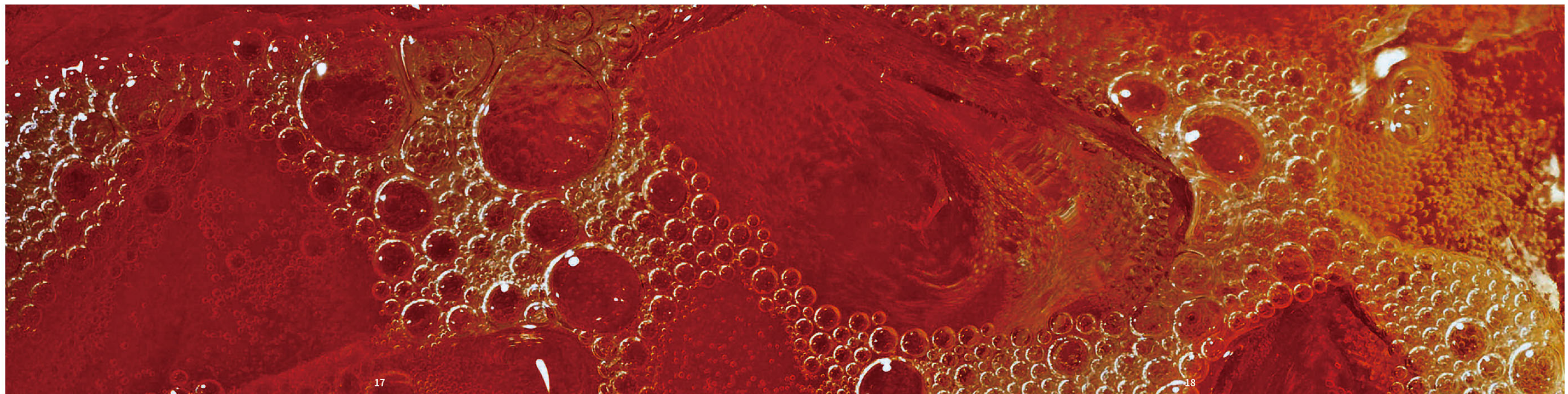
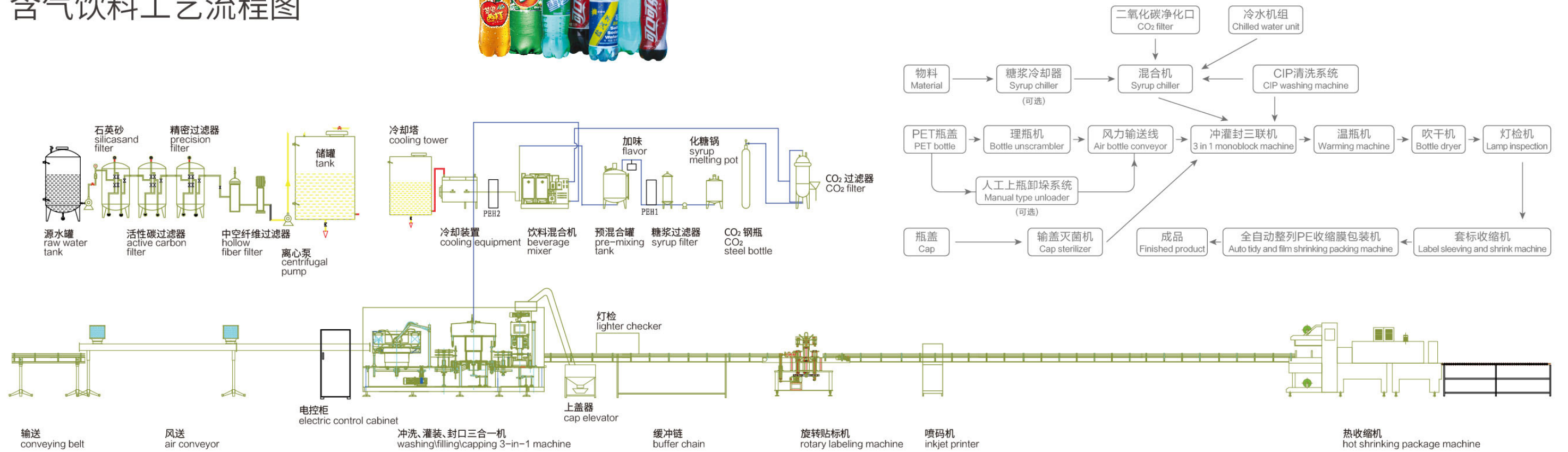


Technological Flow Sheet of Carbonated Drink Production Line

含气饮料工艺流程图

专业饮料灌装生产线制造商
Professional Beverage Filling Line Manufacturer

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DGZ Series

Washing, Filling, Capping 3-in-1 Unit for Water

含气饮料等压灌装三合一机组

用途

本系列设备主要用于聚酯瓶装各种碳酸饮料的生产，在一机上实现冲瓶、灌装、封盖。整机设计科学合理、外形美观、功能齐全、操作维修方便、自动化程度高。

Application

This series of equipments is used in the production all kinds of carbonated drink contained in PET bottle. Washing, filling and capping are integrated into one machine. The machine design scientificly, beautiful appearance, complete function, convenient maintenance and highly automation.



1、整机采用卡瓶颈悬挂运行工态设计，从而使整线运行功能更加可靠，克服了由于瓶壁厚、瓶高度误差而引起的机器不能正常运转的因素。更换瓶型方便、快捷。

2、引进德国、意大利、美国先进技术。采用等压灌装原理，灌装速度快，液面控制稳。物料仓为全封闭结构，配备了CIP接口。

3、采用磁力扭矩式拧盖头，实现抓盖、拧盖。拧盖力矩无级可调，封口严密可靠、且不伤盖。

4、水平回转式气力理盖器，具有不损坏瓶盖表面，料斗内缺盖有自动补盖等功能。

5、整机采用人机界面触摸屏按钮、PLC电脑控制、设有缺盖、过载保护报警装置，能及时发现及排除故障，生产自动化程度高。

6、与物料接触的零部件均采用优质不锈钢制造，主要电器元件均采用国际知名厂家产品。

(1) The suspending bottle-neck cramping design make the whole production line more stable during the working process and it also avoids malfunctions caused by the differences of thickness and height of the bottle. This design also dramatically reduces the required number of changeable parts,makes it more convenient to change the types of bottle.

(2) The advanced technologies from Germany and Italy are introduced. Isobaric filling technology is used in this machine. Filling is quick and the amount of the liquid can be controlled accurately. Also, the beverage-holding tank is full-closed and the CIP interface is installed.

(3) Magnetic torque is used for screw capping, and the power of screw capping can be adjusted steplessly. Capping is reliable and do no harm to the caps.

(4) Horizontal swirl wind-power cap-managing device is used to avoid damaging the surface of the cap. And when there is shortage of caps in the caps storage tank, caps will be fed automatically.

主要技术参数 Main Technical Parameters

型号	Model	DGZ12-12-6	DGZ18-18-6	DGZ24-24-8	DGZ32-32-8	DGZ40-40-10	DGZ50-50-12	DGZ60-60-15
生产能力	capacity(bah)(500ml)	2000-3000	3000-5000	6000-8000	8000-11000	12000-15000	15000-18000	18000-22000
灌装压力	Filling Pressure (Mpa)	≤0.4						
适用盖形	Applicable Cap Shape	塑料螺纹盖(Plastic Screw Cap)						
聚酯瓶规格	Applicable Bottle Type	瓶颈(Bottle Diameter)Φ50-Φ100mm; 瓶高(Height)150-320mm; 容量(Volume)330-1500ml						
气源压力	Gas Source Pressure(Amp)	0.6						
耗气量	Gas Consumption(m ³ /min)	0.4	0.4	0.6	0.6	0.6	0.8	0.8
总功率	Total Power(kw)	4.6	5.4	6.4	8.5	11	12	15
总重量	Weight(kg)	2600	3500	5200	6500	8000	10000	12800
外形尺寸	Dimension(L*W*H)(mm)	2450*1650*2100	2600*1800*2100	3000*2200*2400	4000*2220*2400	4100*2700*2600	4500*3400*2600	5400*4100*2600

QHS Series

Beverage Mixer

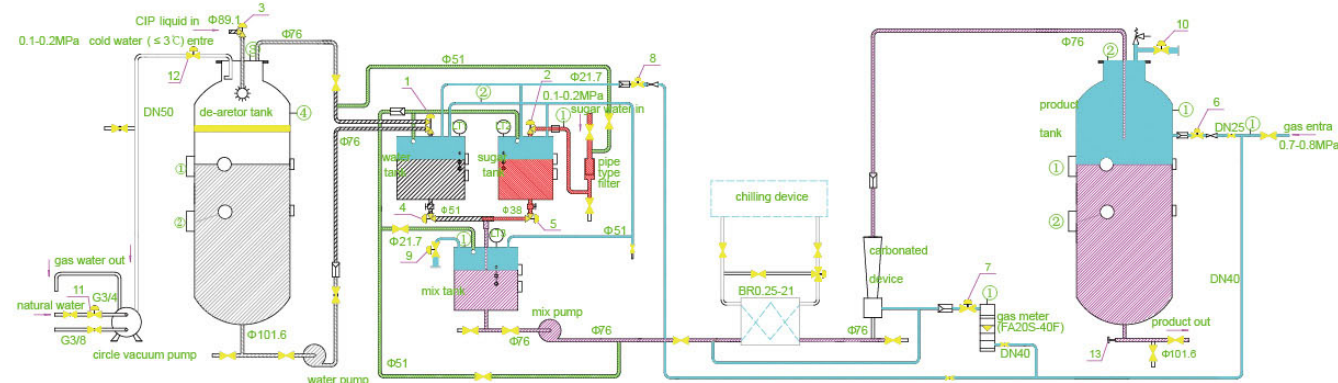
QHS系列饮料混合机

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，供灌装机使用。也可以用于稀释啤酒，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-CO₂ 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, drinking water and aerate CO₂ into beer 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 CO₂ content in finished beverage, more compact structure and convenient operation. It is suitable for all kinds of beverage manufacturers with large of small scales.



主要技术参数 Main Technical Parameters

型号	Model	QHS-1500	QHS-3000	QHS-4000	QHS-6000
产量	Production capacity(kg/h)	1500	3000	5000	7000
含气量	Carbon dioxide content	1.5-2.5	>2.5	>3.5	>3.5
出水温度	Inlet temperature of the chilled wated(°C)	0-4	0-4	0-4	0-4
功率	Power(kw)	1.1	2.8	5.2	8.5
外形尺寸	Overall dimension(L*W*H)	900*700*2000	1600*1300*2000	3000*1800*2200	5000*2100*2500
重量	Weight(kg)	400	800	1800	2800

Carbonated Drink

Auxiliary Machines

碳酸饮料辅机



配料罐
Blending Tank



冷水机组
Chiller



换热器
Heat Exchange



二氧化碳过滤器
CO₂ Filter

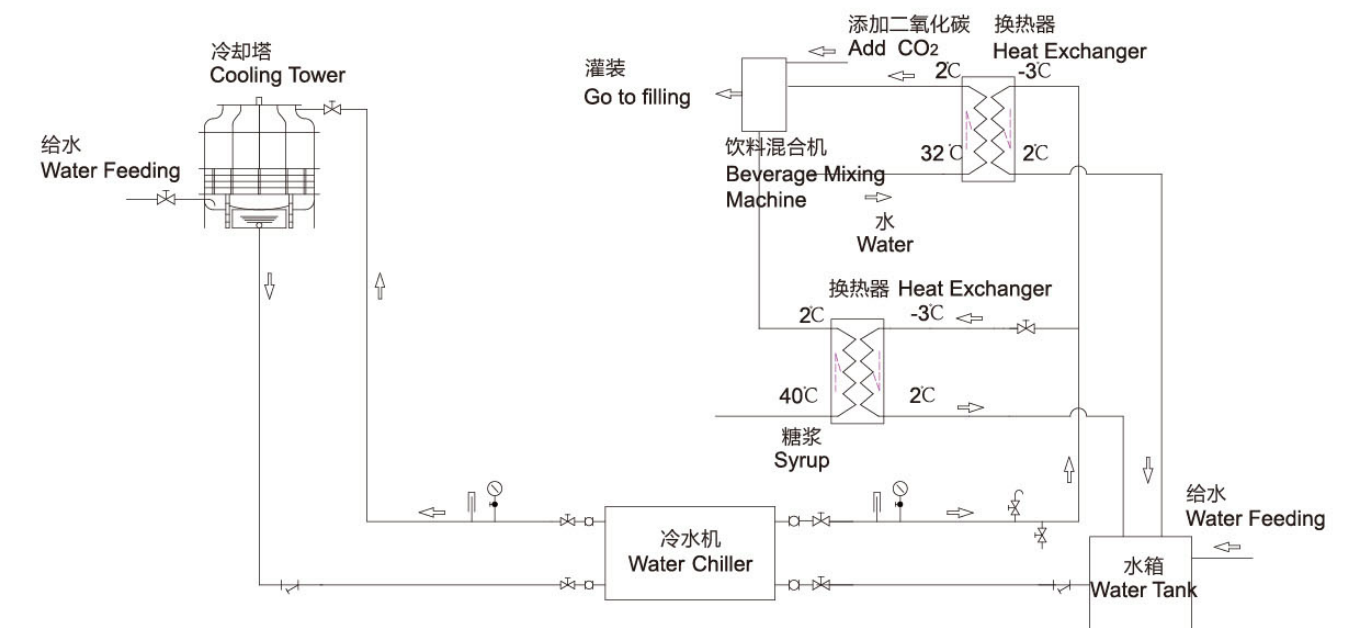


化糖锅
Sugar Melting Pot

Carbonated Drink

Preparation Layout

碳酸饮料预处理流程图



Pop Can

Filling & Sealing 2-in-1 Machine

易拉罐灌装封口二合一机组



本系列产品是引进瑞士灌装封罐技术，经消化吸收后，设计制造的易拉罐灌装、封罐一体设备。FG系列机型适用于碳酸饮料和啤酒的冲洗灌装封罐，产量从2000至9000罐每小时。

FG series of can filling and sealing monoblock machine, whose technologies was introduced from SWEDEN, is specially applicable for filling & sealing carbonated drink and beer into can. Capacity of this machine is from 2000 to 9000 can per hour, based on 330ml can.

主要技术参数 Main Technical Parameters

型号	Model	FG12-1	FG18-4	BGF32-6
生产能力	Capacity(bph)(500ml)	2000-3000	4000-6000	6000-8000
适用罐高/罐颈	Suitable can height/diameter(mm)	罐颈(Can Diameter)φ53.5-φ80mm; 罐高(Height)65-160mm		
总功率	Total Power(kw)	4	5.5	6.5
总重量	Total Weight(kg)	2500	3300	4800
外形尺寸	Dimension(L*W*H)(mm)	1800*1500*2100	2100*1500*2100	2600*2200*2100

BGF Series

Beer Filling Capping 2-in-1 Machine

啤酒灌装封口二合一机组



本系列产品采用当今国际流行的“二次抽真空与高压激泡”技术，最大限度降低啤酒含氧量，大幅度提升啤酒口感；精确压力控制和玻璃瓶自动检测功能，更确保啤酒灌装设备的出品时刻保持完美品质。该设备是引进德国技术，结合我国啤酒生产行业的特点设计开发的啤酒及啤酒无菌灌装设备。本机具有优良的运行可靠性，完善的冲洗、灌装、压盖、消毒杀菌等功能，实现无菌啤酒在无菌的环境中灌入无菌容器中，产量从2000至20000瓶每小时。

The BGF series of beer filling & sealing monobloc machine adopts advanced technologies of double evacuations before filling and high pressure hot water injection system after filling. These technologies remarkably reduce oxygen content in bottled beer, improve taste of beer much. They have been widely used in modern beer industry in the world. Precise pressure control technology and automatic bottle detection system on the machine insure top quality of bottled beer products all the time. We improved and developed this aseptic beer bottling machines on the base of advanced beer technologies from German. It has characteristics of high reliability, full functions of rinsing, filling, press capping, and system sterilizing. By this series of beer filling machines, customers would realize to fill sterilized beer into non-contaminated bottle under fully aseptic status. Capacity BGF series of beer filling machine is from 2000 to 20000BPH, based on 650ml glass bottle.

主要技术参数 Main Technical Parameters

型号	Model	BGF12-6<皇冠盖>	BGF18-6<皇冠盖>	BGF24-8<皇冠盖>	BGF32-8<皇冠盖>
		Crown Cap	Crown Cap	Crown Cap	Crown Cap
生产能力	Capacity(bph)(500ml)	1000-1200	2000-3000	4000-5000	6000-8000
适用瓶高/瓶颈	Suitable bottle height/diameter(mm)	瓶颈(Bottle Diameter)φ50-φ95mm; 瓶高(Height)160-340mm			
罐装压力	Filling pressure(Mpa)	0.15-0.35			
罐装温度	Filling temperature(°C)	0-5			
总功率	Total Power(kw)	2.5	3	4	5.5
总重量	Total Weight(kg)	2500	3300	4800	5800
外形尺寸	Dimension(L*W*H)(mm)	1800*1500*2500	2100*1500*2500	2600*2200*2500	3000*2250*2500

Sprit, Cola Etc. Gas Containing Drink Auto Washing, Filling and Sealing Production Line

雪碧、可乐等含汽饮料自动冲洗、灌装、封口生产线

该生产线包括QS全自动冲瓶机, DG等压灌装机、FXZ封盖机, SSJ系列输送系统, 主要部分采用不锈钢材质, 构造合理, 技术先进, 操作简单, 是中小型企业饮料厂的理想选择。

The production line include QS auto washer, DG balanced pressure filler, FXZ capping machine, SSJ conveyor system etc. The key parts are made of stainless steel, with the features of reasonable structure, advanced technology, easy in operation, widely used in carbonated drink filling, it's the ideal production line for middle and small beverage factory.



主要技术参数 Main Technical Parameters

型号 Model	产量 Production	瓶高 Bottle Height	电机功率 Motor Power
S-12 DG-12 FXZ-1	1000-2000b/h	160-300(mm)	3.13kw
QS-18 DG-18 FXZ-6	1500-4000b/h	160-320(mm)	4.45kw
QS-24 DG-24 FXZ-8	2000-5000b/h	160-340(mm)	4.45kw
QS-32 DG-32 FXZ-8	3000-8000b/h	160-340(mm)	5.95kw



Can Juice(Non-carbonated Drink) Production Line

果汁等不含汽饮料易拉罐灌装生产线

本生产线用于马口铁材质的三片罐, 易拉罐的冲洗、灌装、封口适用于果汁、功能饮料等不含汽饮料的易拉罐灌装。

This production line is mainly used for washing, filling and sealing of three pieces style pop-top cans made of tinplate. It is suitable for juice, energy drink etc Non-carbonated drink filling and sealing into cans.



主要技术参数 Main Technical Parameters

型号 Model	QS-16洗罐机 Can Washer	QS-12洗罐机 Can Washer	YLF-1封口机
产量 Production capacity	3000	1500-8500	2400
罐型 Bottle/can type	φ40-80	φ40-90 H50-340	φ50-67 H90-200
功率 Power(kw)	0.55	1.1	0.75
尺寸 Overall dimension(mm)	1900x530x1100	810x1050x2050	930x700x1850
重量 Weight(kg)	480	500	500

Automatic Oil Filling machine

全自动油类灌装机

这类型的机器适用于灌装粘稠, 非粘稠, 和易复腐蚀的液体。广泛应用于植物油, 化学液体, 日化用品。采用直线式的灌装, 电机工具集成化控制。对于简单和快速改变品种具有独特的设计和卓越的能力。外观符合国际化的观念。

德国西门子PLC和触摸屏控制使它具有智能保护功能。真空无滴漏装置确保在生产的过程中不会产生滴漏。机器上应用了容量电子控制, 变频器控制和光电检测系统(德国图尔克品牌)。

This type machine is suitable for filling viscous, inviscid and corrosive liquid. It's widely applied in plant oil, chemical liquid, and daily chemical industry. It adopts linear type filling, electromechanical & instrumental intergration controlling. It's simple and rapid for changing the varieties with unique design and superior capability. It's appearance accords with the international machinery concept.

Germany SIEMENS PLC and touch screen control make it intelligentize protection function. Vacuum anti-dropping device ensures no leaking situation in production. Electronic adjusting for volume system, frequency control and photoelectric detecting system (Germany TURCK brand) are applied in this machine.

主要技术参数 Main Technical Parameters

参数 Parameter	Unit	SNYG Series				
灌装头数 No. of heads	Pcs	12	10	8	6	4
灌装容量 Filling volume	ml	200-1000, 500-3000, 1000-5000, 1500-6000				
产量 Productivity	bph	1600-4000	1400-3200	1200-2600	1000-1900	720-1300
灌装精度 Filling tolerance	%	<0.5%				
电压 Voltage	V	According customer country's standard				
功率 Power	Kw	1.5	1.5	1.5	1.2	1.0
气压 Gas pressure	Mpa	0.55-0.8Mpa				
耗气量 Gas consumption	M ³ /min	0.6	0.4	1.2	1.0	0.8



Sachet Liquid Filler Sealing Machines

液体袋装机

此系列广泛用于薄膜包装的牛奶, 豆奶, 所有饮料, 酱油, 醋, 黄酒等等。包装程序: 紫外线杀菌, 袋子成型, 打码, 灌装和定量, 封口, 切割和计数。所有的组件都是不锈钢材料, 以及根据国家卫生标准设计。A和B型号采用单层聚乙烯薄膜, 而C型号采用符合薄膜。其中, B型号是双型设计, 所以它可以灌装两种类型不同颜色和风味的液体在同一个包装里面。C型号是按中封, 边封和光电检测分类。

This series is widely used in the film packing of milk, soy milk, all kinds of drinks, soy, vinegar, yellow wine etc. All packing procedures: ultraviolet ray sterilization, molding of bags, print of dates, filling with fixed quantity, sealing and cutting and numeration. All components are made of stainless steels and are designed to meet state hygienic standard. A and B model adopt single-layer polyethylene film while C model employ composite films. Among them, B model is twin type designed so it can fill two types of liquid of different colors and flavor in one package; C model are categorized as middle sealing, side sealing and photo-electric detection.

主要技术参数 Main Technical Parameters

型号 Model	SJY-1000A	SJY-1000B	SJY-1000C
生产速度 Speeding of Production	1500-2100 bags/hour	1500bags/hour	1000-1800bags/hour
包装容量 Packing Capacity	100-500ml	100-500ml	100-1000ml
包装尺寸 Packing Size	L30-150 x W120-160mm	L30-190 x W84-120mm	L30-240 x W120-160mm
机器功率 Power of Machine	1.2Kw 220VAC/380VAG	1.2Kw 220VAC/380VAG	1.2Kw 220VAC/380VAG
机器重量 Weight of Machine	270kg	320kg	330kg
整机尺寸 Overall Dimensions	850 x 800 x 1800mm	950 x 850 x 1900mm	1050 x 850 x 1850mm

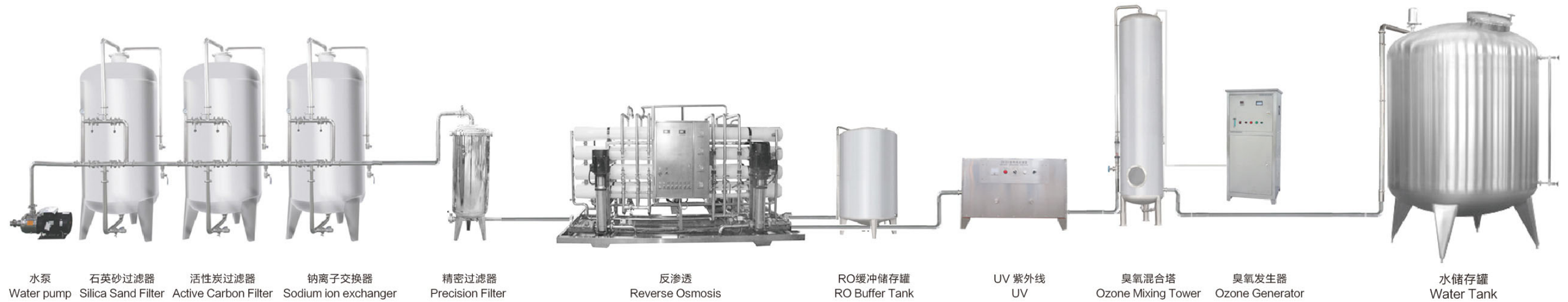


Water Treatment System

水处理系统

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石英砂过滤器:
该机器可以去除水中悬浮的杂质部分，减少水的浑浊度。

活性炭过滤器:
该机器可以去除水中的色素、气味以及水中的微生物。

钠离子交换器:
该机器可以去除水中的钙离子和镁离子来软化水质。

精密过滤器:
该机器可以确保进入反渗透膜中的水的密度小于 0.1um。

反渗透
反渗透装置根据不同动作压力来选择半渗透膜来净化含有盐分的水的设备。之所以称为反渗透，是因为其工作方式与自然的渗透方式相反。不同的材料有不同的渗透压力。
反渗透装置可以去除水中 97% 以上的可溶性盐、99% 以上的胶质、微生物、微粒和有机材料，这个装置成为净化水、高纯度水、太空水（高度净化的水）。最主要的特征包括低能耗、无污染、产出水高质量、操作维修便捷。

紫外线杀菌器:
该机器使用 UV 可以杀死一些经过反渗透后的水中的细菌。

臭氧杀菌器:
臭氧杀菌器可以杀死紫外线无法杀死的细菌。

中空纤维超滤器采用不对称的半渗透的薄膜，这些薄膜有高分子材料通过特殊制作工艺制造而成。待处理的水在压力下经过这些薄膜。待处理水中的高分子物质和胶体颗粒在膜表面被堵塞，通循环原液排出。然后待处理的水变的更加浓缩，进一步来说，原液中的物质被分散和聚拢。

结合客户的水质分析报告以及最后想达到的水质标准，我们将提供建议给客户选择合适的水处理设备。

Silica sand filter:
It can remove the suspended solids and gluten particles in the water, thus reduce the turbidity of water.

Active carbon filter:
It can remove the pigment, smell and a large number of biological organisms in the water.

Sodium ion exchanger:
It can remove calcium and magnesium ions in the water, so as to soften the water.

Precision filter:
It can ensure that the granularity of the water into reverse osmosis membrane is less than 0.1 um.

Reverse Osmosis:
The Reverse Osmosis Device is an equipment to purify the saline water with the action of pressure difference of semi-permeable membrane. It is called reverse osmosis, as it is counter to natural penetration direction. Different materials have different osmotic pressures.
The reverse osmosis can remove more than 97% of the soluble salt and above 99% of the colloid, microorganism, particles and organic materials, becoming the best first-choice equipment in the engineering of modern purified water, highly purified water and space water (super-purified water). The most highlighted features are low energy consumption, no pollution, simple technique, high-quality water and convenient operation and maintenance.

UV sterilize:
It uses the UV to kill some bacteria that may also pass through the reverse osmosis system.

Ozone sterilizer:
Some bacteria may not be killed by the UV, the sterilizer uses ozone to kill those bacteria.

Hollow-fibre Ultrafilter This ultrafilter adopts dissymmetrical semipermeable film which is made from macromolecule material with special process. The raw liquid flows under pressure, inside or lut side the film. The macromolecule substance and colloid particles in the raw liquid are clogged at the film surface and are brought away by circulating raw liquid. Then the raw liquid becomes inspissated, furthermore, the substance in liquid is seperated, concentrated.

According to customer's water source analysis report and the final water standard required, we will suggest customer to choose the suitable water treatment plants.

Auto Sleeve Shrink Labeling Machine 全自动热收缩套标机

本机是采用国际先进技术，对PET瓶（圆、方）套上环标，并热收缩固定于瓶身特定位置之上的机器。本机结构紧凑，可适用于不同方向，不同高度的生产线上。

机械部分采用模块化的组合设计，使机器更趋合理。高度调整采用电机升降，更换物料更简单。独特的刀盘设计，使筒状薄膜卷切断更准确可靠。

This machine adopts international advanced technology; cover the circle label on the PET bottle. And then hot shrinking to fix on the position which bottle body designated.

This machine's structure is compact, and suitable for the production line of different direction and different height.

The machinery part adopts combination designing of modularization, and makes the machine reasonable. The height adjustment adopts motor fluctuating; it is convenient to replace the material. The unique cutter design, make the film-rolling cut more exactly and reliably.



Auto Self-adhesive Labeling Machine 全自动不干胶贴标机

本机适用于药品、食品、饮料、日化等行业用瓶的单面，双面及侧面贴标，机器采用PLC控制技术，生产效率高，贴标位置精确合理，操作简捷，动力系统由3-5个伺服电机运作，速度可调，全自动调速装置，并配备安全保护装置。

This machine is suitable for pharmacy, food, beverage, daily chemical industry etc. all kinds of quadrate & flat bottles single side, double, and lateral labeling. Machine adopts PLC process control, photo-electricity bottle checking and label delivery. It is of high production efficiency, labeling precise and reliable, operation convenience, and wide adaptive scope etc. Start-up system: depend on 3-5 pole motor driving, electronic control speed, full automatic transmission device, electricity source place combine with highly precise density steel star gear, include automatic suited machinery safety device.



OPP Hot Melt Glue Labeling Machine OPP 热熔胶贴标机

本机适用于制药、食品、饮料、日化等的各种方、扁瓶的单面、双面、侧面标签的粘贴。机器采用PLC程序控制，光电检瓶送标，具有生产效率高、贴标准确可靠、操作方便、适应范围广等优点。启动系统：依靠3-5极电机驱动，电子控制速度，全自动传动装置，电源档位和高精密度的钢星齿轮相结合，包含自动匹配的机械安全设施。

This machine suit for pharmacy, food, beverage, daily chemical industry etc. all kinds of quadrate & flat bottles single side, double, and lateral labeling. Machine adopts PLC process control, photo-electricity bottle checking and label delivery. compose of high production efficiency, labeling precise and reliable, operation convenience, and wide adaptive scope etc. characters. Start-up system: depend on 3-5 pole motor driving, electron control speed, full automatic transmission device, electricity source place combine with high precise density steel star gear, include automatic suited machinery safety device.



Full-automatic Film Shrink Wrapping Machine 全自动热收缩膜包机

适用范围

饮料、啤酒、乳品、医药、日化产品的集束包装，包装时无需加装底托或纸板，进一步节省外包装成本。

Scope of application

It is used in collecting wrapping of drink, beer, milk, medicine, daily necessities. While packing, No, chassis of paper plate to save outside package cost further.

特点

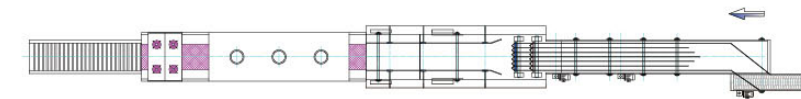
- 具有输送进料、理瓶、裹膜、收缩、冷却定型等流程的全自动化功能。
- 采用世界先进的薄膜恒温热合技术，封口线清晰，更加坚固美观。
- 输送电机采用进口变频器控制，输送流畅，实现无级调速。
- 先进的螺旋运风循环结构，三层隔热层处理，包装牢固，节约能源。

Features

- It has full-auto characteristics, such as conveying materials, ordering bottles, wrapping g film, shrinking, cooling and shaping and others.
- It adopts advanced film thermal sealing technology. The seal seam is clear. It is firmer and more beautiful.
- The conveying motor adopts imported frequency converter control. Its conveying is smooth and the stepless govern is carried out.
- It adopts advanced screw air supplying circulating structure and 3-layer insulating treatment. The wrapping is firm and save energy.



Linear type Automatic PE Film Shrink Wrapping Machine 全自动直线型收缩膜包装机



主要技术参数 Main Technical Parameters

功率	Power	28KW
空气消耗	Air consumption	25m³/H、≥0.6MPa
速度	Speed	20-25bag/minute。
瓶子直径	Bottle diameter	φ60-90φmm, height≤330mm

聚乙烯膜	PE film	thickness: 0.03-0.10mm, width: ≤600mm
重量	Weight	1.5ton
尺寸	Dimension	L12000 x W1100 x H2100mm
最大包装尺寸	Wrappage max size	L2400 x W650 x H450mm

BV Series Full-auto Rotating Type Blow Molding Machine

BV系列全自动旋转式吹瓶机

BV系列吹瓶机广泛用于生产矿泉水瓶、含汽饮料瓶、杀虫剂瓶、油瓶、化妆品瓶、广口瓶及热灌装瓶等。由自动提升机将瓶胚带入生产线，经过石英灯加热瓶胚达到吹瓶目的，低投资，高效率，操作安全快速，维修维护方便简捷。

BV series stretch blow molding machine is suitable for producing PET/PC/PP and PE, plastic containers and bottles in all shapes.

It is widely used to produce the carbonated drink bottle, mineral water, pesticide bottle, oil bottle, cosmetics, wide-mouth bottle and hot filling bottle, etc.

Feeding system carries the preforms by robot automatically Infrared oven heater adopts the quartz lamp to heat the PET tube.

Fully automatic process with low investment, high efficiency, quick and safe operation, easy for trouble-shooting, maintenance and other benefits.



BV Series Semi automatic Bottle Blow Molding Machine

BV系列半自动吹瓶机

BV系列半自动吹瓶机适用于生产PET瓶；容量10--2000ml，广泛用于矿泉水瓶，含汽饮料瓶，化妆品瓶，食用油瓶等。

BV series heat-resistant semi-automatic bottle blow molding machine is suitable for producing any shapes of PET containers and volume is from 10-2000ml. It is widely used to produce mineral water bottles, carbonated beverage bottles, cosmetic bottles oil bottles etc.

Adopting double crank connecting bar clamping and clamping mold is stable and fast, adopt for infra-red rotary oven and heated equally.

The machine is also equipped with muffler and different parts of refueling system, can be operated in the step-by-step mode and semi-auto mode; this machine is small with low investment, easy and safe to be operated by one person.



Injection Machine

注塑机

该设备用于生产PET瓶胚及瓶盖，设计合理，操作方便，自动化程度高。电器元件均采用国际知名品牌。

This machine is designed for PET bottle preform and caps, with molding cycle less than 10s, full hydraulic mold clamp system, two level injection unit shorter the perform time, the main electric system control use SIEMENS, hydraulic system use Bosch Rexroth, pneumatic system and temperature system with schneider, all the parts are of high quality, it is ideal machine for beverage manufacturer.

