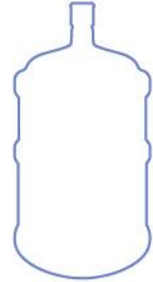




小瓶饮用水灌装生产线
Small Bottle Drinking Water
Filling Production Line



桶装饮用水灌装生产线
Barreled Drinking Water
Filling Production Line



含气饮料灌装生产线
Carbonated Beverage
Filling Production Line



果汁热灌装生产线
Juice/Pulp Hot Filling
Production Line



玻璃瓶灌装生产线
Glass Bottle Filling
Production Line



食用油灌装生产线
Edible Oil Filling
Production Line



易拉罐灌装生产线
Pop-top Can Filling
Production Line

江苏兆恒机械科技有限公司

JIANGSU ZPACK MACHINERY CO., LTD.

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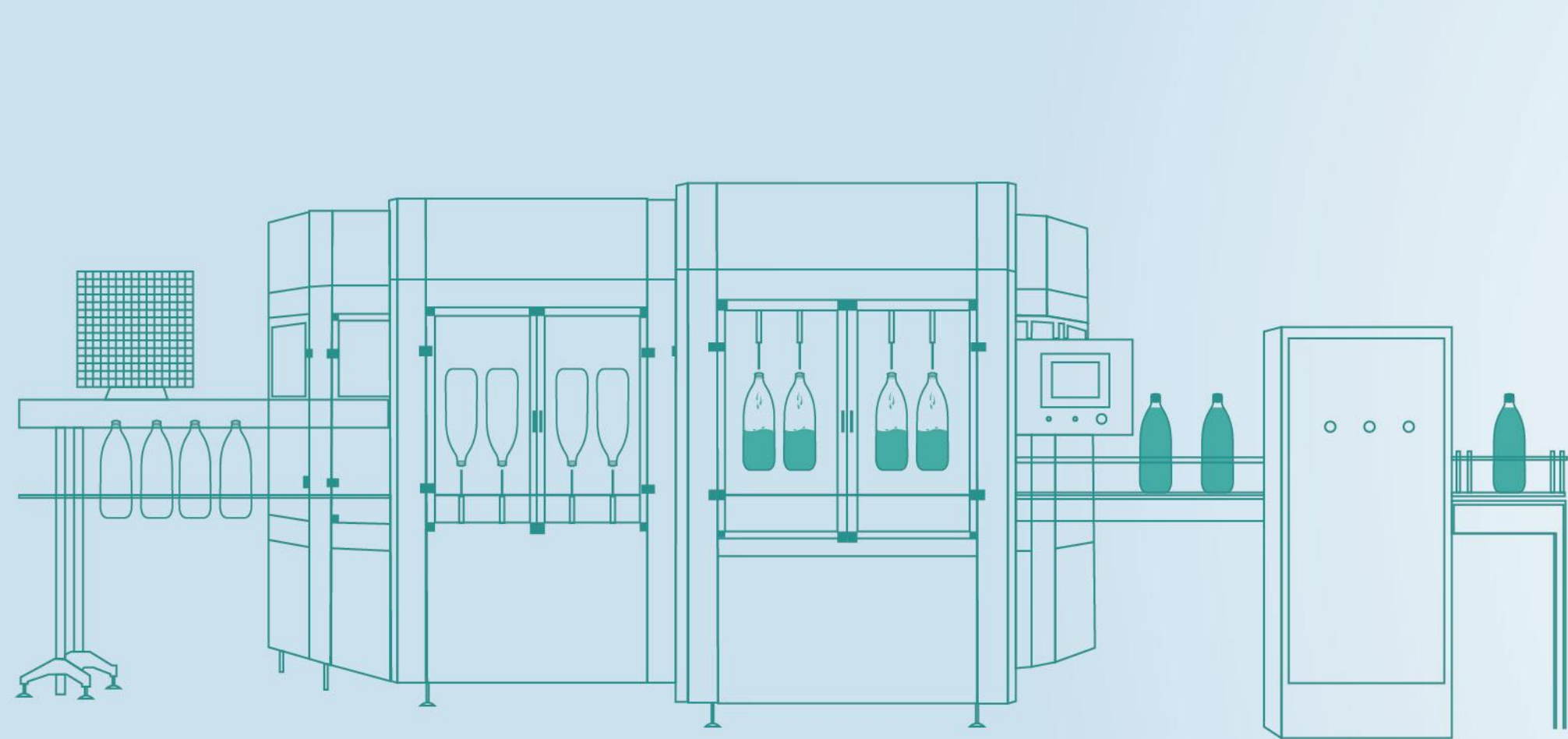
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饮料包装设备专业制造商

Professional Manufacturer Of Beverage Packing Equipments



江苏兆恒机械科技有限公司
JIANGSU ZPACK MACHINERY CO., LTD.



兆恒机械竭诚向广大用户提供

- 1-80吨/小时 纯净水/矿泉水水处理系统
- 1-80吨/小时 饮料前处理、清洗杀菌系统
- 2000-80000瓶/小时 旋转式吹瓶机（PET瓶）
- 12000-80000 瓶/小时 小瓶水吹灌旋一体机（PET瓶）
- 500-5000瓶/小时 5L大瓶水吹灌旋一体机（PET瓶）
- 2000-40000瓶/小时 超洁净（中温）灌装生产线（PET瓶）
- 3000-40000瓶/小时 小瓶水灌装生产线（PET瓶）
- 500-5000瓶/小时 3~18L大瓶水灌装生产线（PET瓶）
- 100-3000桶/小时 3/5 加仑桶装水灌装生产线
- 2000-40000瓶/小时 含气饮料灌装生产线（PET瓶/玻璃瓶）
- 2000-40000瓶/小时 啤酒灌装生产线（玻璃瓶）
- 2000-40000瓶/小时 热灌装生产线（PET瓶/玻璃瓶）
- 2000-40000瓶/小时 果肉饮料混合灌装生产线（PET瓶）
- 500-6000瓶/小时 3-5L大瓶装食用油灌装生产线（PET瓶）
- 2000-48000瓶/小时 易拉罐灌装生产线
- 2000-48000瓶/小时 牛奶灌装生产线
- 2000-80000瓶/小时 后包装（含套标/贴标、膜包、装箱、码垛等）系统

ZPACK Machinery wholeheartedly provides to the masses of users

- 1-80 Tons/hour purified water/mineral water treatment system
- 1-80 Tons/hour beverage pretreatment, cleaning and sterilization system
- 2,000-80,000 Bottles/hour rotary blowing molding machine (PET bottles)
- 12,000-80,000 Bottles/hour small bottle water blowing filling capping machine (PET bottles)
- 500-5,000 Bottles/hour 5L large bottle water blowing filling capping machine (PET bottles)
- 2,000-40,000 Bottles/hour ultra-clean (medium temperature) filling production line (PET bottles)
- 3,000-40,000 Bottles/hour small bottle water filling production line (PET bottles)
- 500-5,000 Bottles/hour 3~18L large bottle water filling production line (PET bottles)
- 100-3,000 Barrels/hour 3/5 gallon barreled water filling production line
- 2,000-40,000 Bottles/hour carbonated beverage filling production line (PET bottles/glass bottles)
- 2,000-40,000 Bottles/hour beer filling production line (glass bottles)
- 2,000-40,000 Bottles/hour hot filling production line (PET bottles/glass bottles)
- 2,000-40,000 Bottles/hour pulp beverage mixed filling production line (PET bottles)
- 500-6,000 Bottles/hour 3-5L large bottles edible oil filling production line (PET bottles)
- 2,000-48,000 Bottles/hour can filling production line
- 2,000-48,000 Bottles/hour milk filling production line
- 2,000-81,000 Bottles/hour after-packaging (including sleeve labeling/adhesive labeling, film packaging, case packaging, palletizing, etc.) system



COMPANY PROFILE

公司简介

江苏兆恒机械科技有限公司坐落于江苏省张家港市，自 2011 年成立以来，始终专注于液态产品智能工厂产存一体化解决方案，是专业的总集成总承包服务企业。经营范围涵盖食品饮料设备制造与销售、包装及环保设备制造与销售等，具备设备修理、安装及技术服务能力，涉及进出口贸易。

公司产品包括水、果汁、碳酸饮料、5加仑瓶灌装线及辅助设备，满足液态产品生产企业需求。凭借卓越品质与服务，与国内外多家知名企业建立合作，产品畅销东南亚、中东、美洲、非洲等40余国。

作为中国专业的饮料机械制造商，兆恒机械在液态包装领域拥有深厚技术，针对不同液态产品建立工艺设计体系，提供定制化交钥匙解决方案。配备大型加工车间及德日先进设备，保障设备高精度与稳定性。

公司汇聚经验丰富的工程技术人员，不断创新产品与服务。工程师团队遍布全球，快速响应客户需求，提供高效技术支持，确保项目顺利进行。

Jiangsu ZPACK Machinery Technology Co., Ltd. is located in Zhangjiagang City, Jiangsu Province, since its inception in 2011, has always been focusing on the liquid products intelligent factory production and storage of integrated solutions, is a professional general integration of general contracting services enterprises. The business scope covers food and beverage equipment manufacturing and sales, packaging and environmental protection equipment manufacturing and sales, etc., with equipment repair, installation and technical service capabilities, involving import and export trade.

The company's products include water, fruit juice, carbonated beverages, 5-gallon bottle filling lines and auxiliary equipment to meet the needs of liquid products manufacturers. With excellent quality and service, we have established cooperation with many famous enterprises at home and abroad, and our products are sold well in more than 40 countries in Southeast Asia, the Middle East, America and Africa.

As a professional beverage machinery manufacturer in China, ZPACK Machinery has profound technology in the field of liquid packaging, establishes process design system for different liquid products and provides customized turnkey solutions. Equipped with large-scale processing workshop and German and Japanese advanced equipments, it guarantees the high precision and stability of the equipments.

The company gathers experienced engineers and technicians to continuously innovate products and services. We have a team of engineers all over the world, responding quickly to customer needs and providing efficient technical support to ensure the smooth progress of projects.

QUALIFICATION CERTIFICATE

资质证书



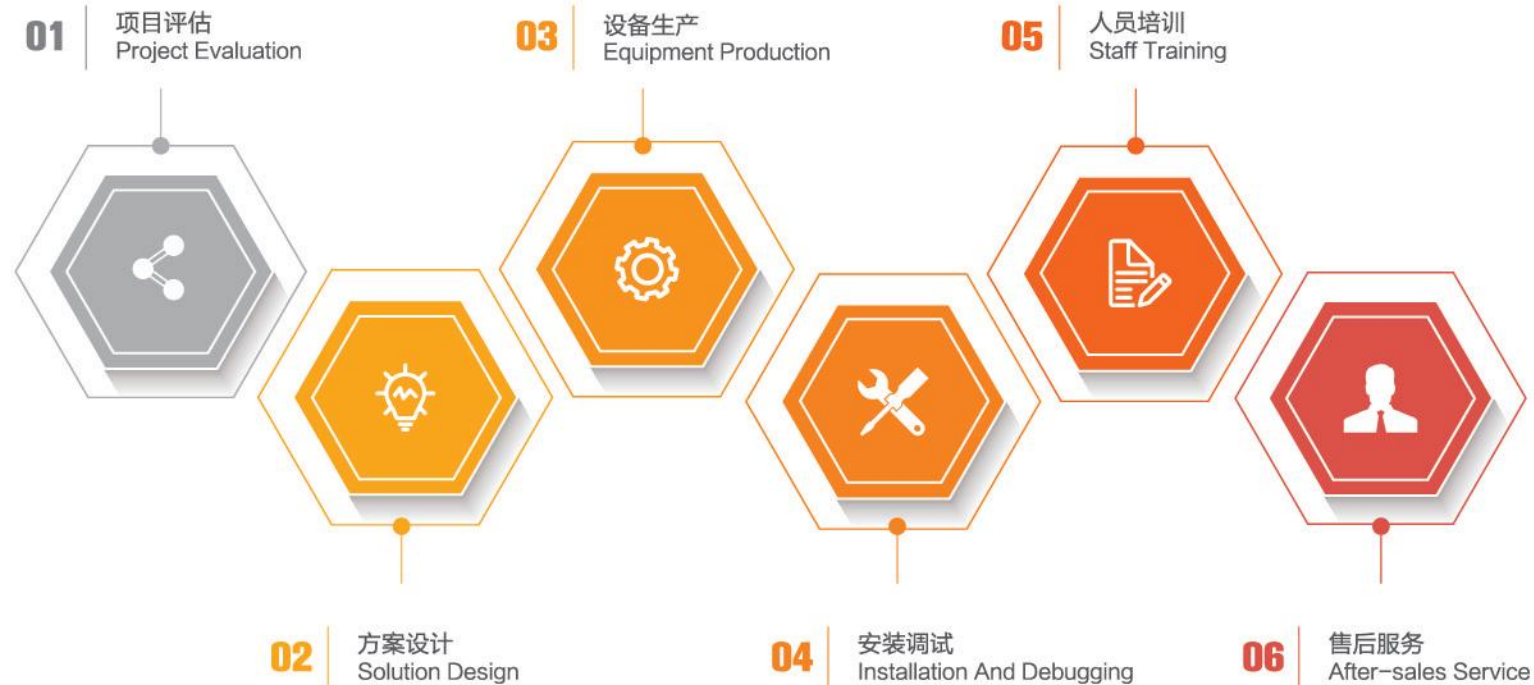
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36	实瓶输送	Bottles Conveying Belt
36	PET空瓶气输送线	PET Empty Bottles Air Conveyor



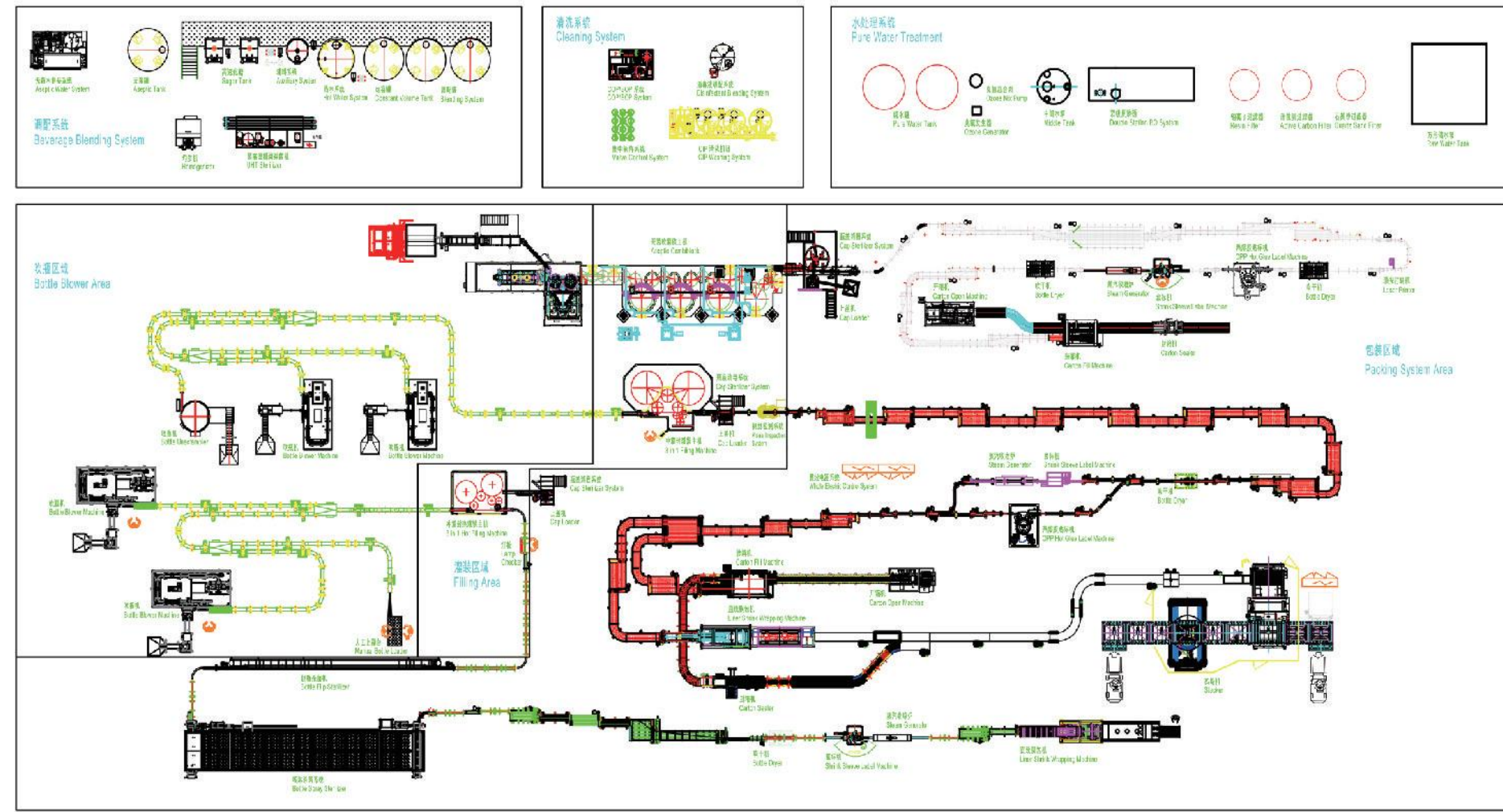
Turnkey Solution Of Beverage Production Line

饮料生产线交钥匙解决方案



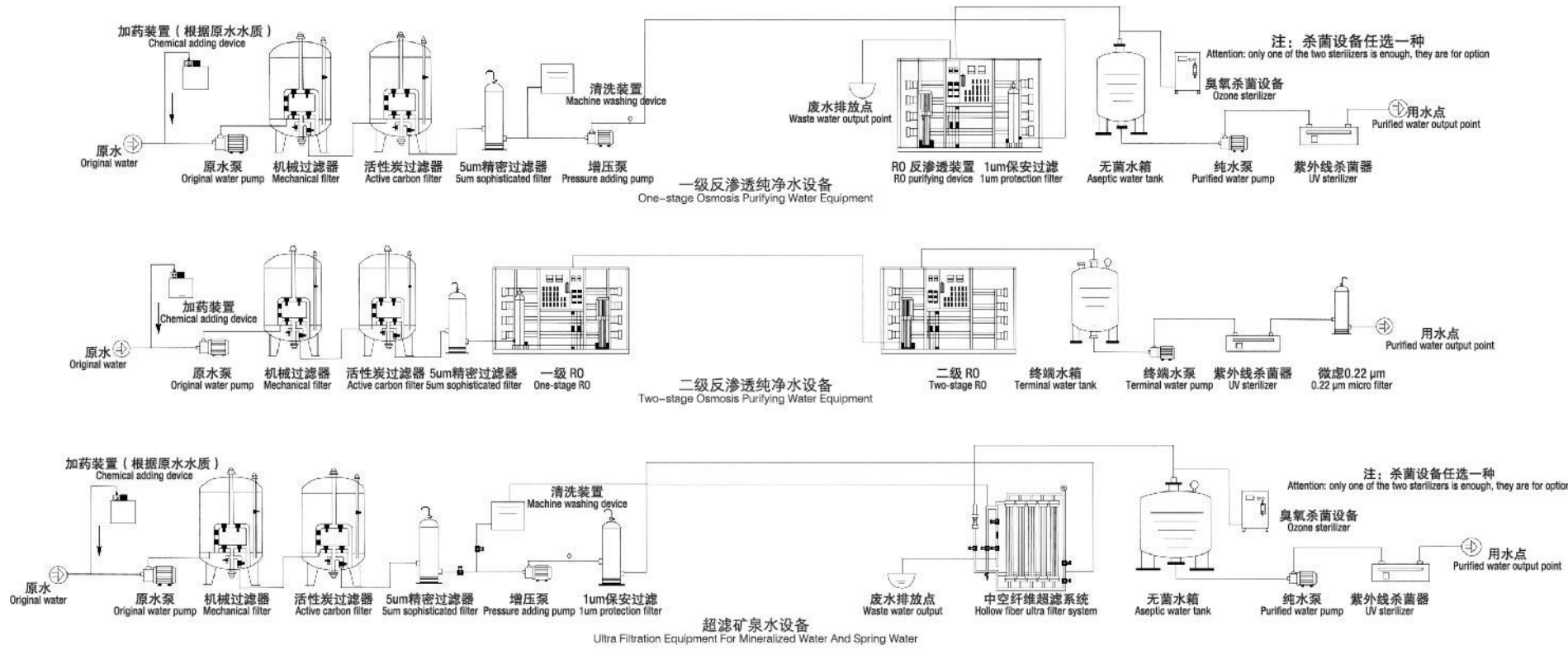
Process Flow Chart Of Filling Line

灌装线工艺流程图



03

JIANGSU ZPACK



04

JIANGSU ZPACK



集装箱式水处理设备
Container water treatment equipment



单级反渗透生产线
Single-stage reverse osmosis production line



双级反渗透生产线
Two-stage reverse osmosis production line

Beverage Pre-treatment System

前处理系统



应用范围

热灌装饮料、含气饮料、果味水等前处理。

Application

Pre-treatment of hot-filled beverages, carbonated beverages, fruity water, etc.

主要包括

热水系统、萃取系统、溶糖系统、辅料系统、调配系统、CIP系统、各类储罐、阀门、管件、UHT系统（板式、管式）、混合机等。

Product's scope

Hot water system, extraction system, sugar melting system, auxiliary system, UHT system(plate & tubular), blending system, CIP system. Various tanks ,valves, pipe fittings, mixing machines etc.



Extraction System

萃取系统

产品特点

茶叶萃取是指用热水浸泡茶叶从中提取有效成分的操作，萃取操作的目的是高效地提取植物的有效成分，不仅要尽可能地保持茶原液特有的色、香、味，还要有效地防止造成饮料混浊沉淀的非原液有效成分的过量溶出。

多采用分次提取的方法，其中一次提取采用低温提取以保护原液香气成分并使小分子热敏性成分溶出；二次提取采用高温提取以提取茶叶中的大分子有效呈味成分，但与此同时，非多酚类大分子化合物也一同溶出，这可能引起饮料混浊和沉淀。通过控制提取参数可以平衡这一对矛盾。

Product Features

Tea extraction refers to soak in hot water tea extract effective components, extraction operation efficiently is the purpose of the active components of extraction plant, not only to keep the tea concentrate as much as possible special color, aroma, taste, but also effectively prevent to cloudy precipitation caused by excessive dissolution of active ingredients of the concentrate.

Adopt the method of fractional extraction, extracted one to protect concentrate aroma components extracted with the use of low temperature and small molecule heat-sensitive ingredients dissolution; Secondary extraction using high temperature extraction to extract the macromolecular effectively the flavour components in the tea, but at the same time, the polyphenols macromolecular compounds and dissolution, it may cause cloudiness and precipitation. By controlling the extraction parameters can balance the pair of contradictions.



Soluble Sugar System

溶糖系统

产品特点

糖是构成果汁饮料的主要成分之一，蔗糖溶于水制成单糖浆的过程称为溶糖操作。

溶糖系统通常包括：糖粉输送、糖粉溶解、糖浆灭菌、糖浆过滤和冷却、糖浆储存等单元。特殊情况下，还需要对糖浆进行脱气处理。

Product Features

Sugar is one of the major components of fruit juice, sugar dissolves in water single syrup process called soluble sugar.

Soluble sugar system usually includes: sugar dissolve powder conveying, powdered sugar, syrup sterilization, syrup, filtering and cooling, such as syrup storage unit. Special circumstances, the need for degassing treatment syrup.



Pipeline & Preparation System

管道及调配系统



CIP Cleaning System

CIP清洗系统

产品特点

- CIP清洗装置作为既不分解生产设备，又可用简单操作方法安全自动的清洗系统，几乎被引进到所有的食品，饮料及制药等工厂。
- CIP清洗装置不仅能清洗机器，而且还能控制微生物的清洗方法。
- CIP清洗装置分手动、半自动及全自动三种供用户选择。

Product Features

- CIP cleaning device can be used as a non-resolved production equipment as well as the simple operation method full-automatic cleaning system. It almost has been used in all foodstuff, beverage and pharmacy etc.
- CIP cleaning device not only can clean the machine, but also can control the mi-crobiology cleaning method.
- CIP cleaning device divides into manual and half-automatic and full-automatic kinds, which can be selected by users.



Plate Sterilizer

板式灭菌器

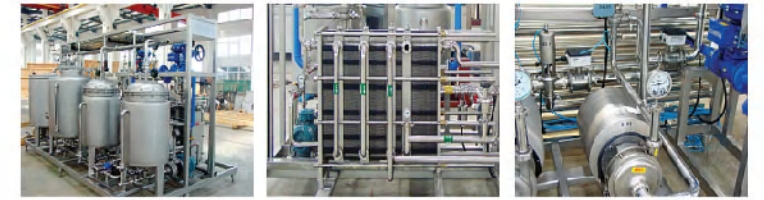


产品特点

板式灭菌器适用于乳品，果汁，茶饮料，啤酒，保健饮料等液体物料的巴氏、超巴氏、超高温杀菌。物料通过本设备杀菌冷却达到延长保质期的目的。并根据客户的对物料杀菌、保温、冷却的不同工艺要求，进行单段、双段、多段形式的组合系统设计。本设备具有很高的热回收率，设备结构紧凑，占地面积小，流程变化灵活，容易操作与维修，深得客户青睐。也可根据客户需求制造含CIP系统的超高温杀菌设备。

Product Features

This whole set of machines is mainly used for pasteurism, ultra-pasteurism and ultra-high temperature sterilization of liquid substances such as milk, juice, tea drinks, beers and healthy drinks. After the sterilization and cooling, those substances can be kept for a longer time. To meet different requirements of sterilization, warm and cooling technique, a mix of single, double or multi-segment system can be designed. The equipment boasts a high heat recycling rate. With compact structure, it takes relatively small space. With flexible working flow, it is easy to operate and maintain. This makes it popular among customers. CIP system can also be added to it at the request of customer.



Pipe Sterilizer

管式灭菌器



产品特点

管式杀菌成套设备是专门为乳品、果汁、饮料或类似液体、物料设计的一次性杀菌设备，是对物料通过杀菌、冷却达到延长保质期目的的理想设备。可根据用户对不同物料的加热、杀菌、保温冷却的不同工艺要求，进行流程结合设计，具有各种完全保护措施，自动化程度较高，控制稳定精确等优点。

Product Features

The whole set of tube-style sterilization machine is especially used for one-off sterilization of liquid substances such as milk, juice and drinks to make them last for a longer period through sterilization and cooling. In accordance with different requirement for heating, sterilization, heat preservation and cooling, the flow can be designed in combination, with various safety measures and high degree of automation for precise and stable control.



Inverse Sterilizer Machine

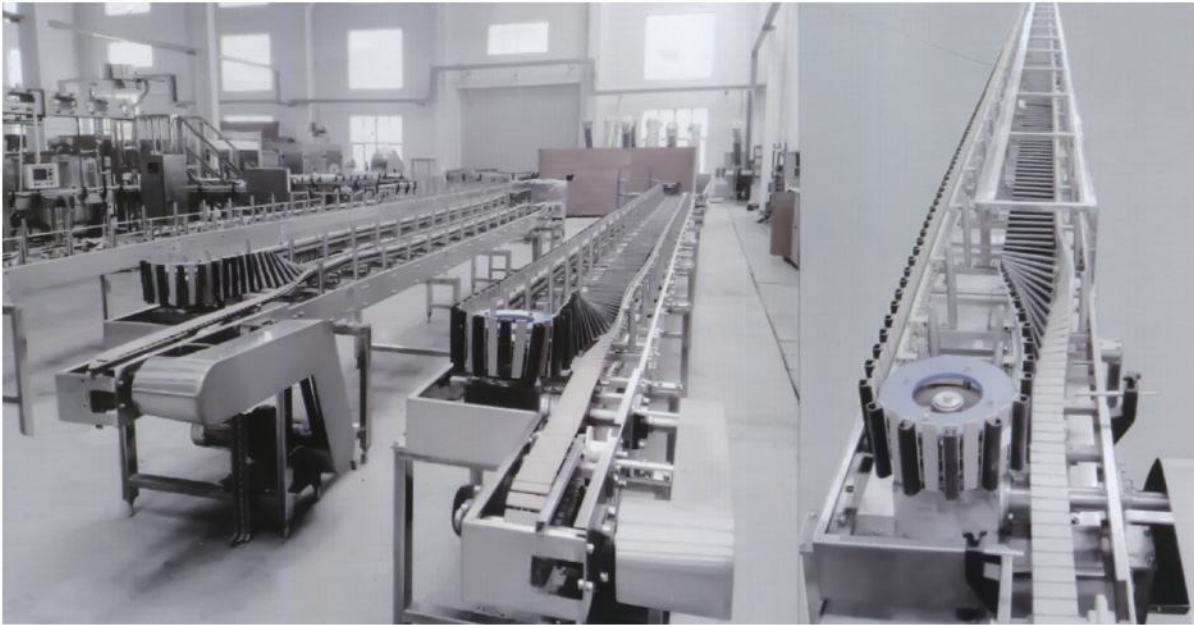
倒瓶杀菌机

产品特点

倒瓶杀菌机主要用于PET聚酯瓶包装的果汁、茶等饮料热灌装后对瓶口、瓶盖内壁未经杀菌或高温处理的部分进行杀菌。本机主要由传送链系统、瓶体反转链系统、机架、瓶子翻转导杆等构成；本机实现自动翻转杀菌和自复位，而且在杀菌过程中，只须通过瓶子内存物的自身高温对瓶口和瓶盖内壁进行杀菌，不必增加任何热源，达到节能目的。机身采用SUS304材料制作，美观大方，使用方便。产量5000-36000瓶/小时，杀菌时间15-40秒可供用户选择。

Product Features

It is mainly used in sterilizing PET bottle mouth and inside surface of caps. In which haven't been disinfected by themal tea. Fruit juice which halri n g been filled in PET bottle. In mainly consist of chief conveying chain system, support, bottle reversing chain system, bottle reversing guiding rod and bottle repositioning rod, use its inner thermal medium to isinfect ottle mouth and caps without any other heat source, so it can save energy. The machine is fully made of SUS304 stainless steel, more convenient in operation. Productivity: 5000-36000 ottles hour, sterilizin time: about 15-40 seconds.



Spray Cooling Tunnel

喷淋冷却隧道



产品特点

本机用于耐热聚酯瓶茶饮料、热灌装、聚酯瓶碳酸饮料灌装生产线，可使高温灌装的茶饮料降温至36-40℃。产量5000-36000瓶/小时。喷淋时间约15-20分钟。

Product Features

The machine can reduce the temperature of hot fillin g drinks to 36-40°C. It is used in heat-resistant PET bottle tea beverage, hot filling, PET bottle carbonated drink filling production line. Productivity: 5000-36000 bottles/hour, spray time: about 15-20 minutes.

技术参数 TECHNICAL PARAMETERS							
型号		Model	PLJ-1000		PLJ-2000	PLJ-3000	PLJ-5000
最高杀菌温度 (°C)		Max. sterilizing temperature	100				
杀菌输送带宽度 (mm)		Width of sterilization transferring belt	1500				
输送带线速度 (mm/min)		Transferring belt speed	110-553 (Stepless speed)				
加热蒸汽压力 (MPa)		Heating steam pressure	0.4				
杀菌段长度 (mm)		Length of sterilization step	9000	16000	22000	32000	
预冷段长度 (mm)		Length of pre cooling step	1200	1600	1800	2200	
冷却段长度 (mm)		Length of cooling step	3000	5000	8000	10000	
加热循环水量 (m³)		Heating recycling water volumer	21	25	35	50	
电压 (kw)		Power	9.6	10.6	13.6	16.5	
设备外形尺寸 (mm)	长	Size	Length	9880	17880	23800	34880
	宽		Width	2250	2250	2250	2250
	高		High	1735	1735	1735	1735

Blowing Filling Capping Combiblock Machine

吹灌旋一体设备



产品特点

本机采用吹瓶、灌装、旋盖三个工艺流程，将PET瓶胚转为瓶装液体产品的先进包装技术。大底板式的主体结构，独立的灌装空间，净化空气过滤系统，保证灌装区域更卫生与安全的环境。优良的传动系统大程度的消除了传动误差，使瓶子传递平稳顺利，不产生卡瓶现象。设备的设计和制造符合欧盟的CE认证，产品质量和人身安全得到保障。本机适用于各种形状的PET瓶和塑料瓶，主要应用于纯净水，矿泉水，蒸馏水，茶，果汁，调配乳，功能饮料，含气饮料，带果肉的果汁等领域。

Product Features

This machine adopts three technological processes including blowing filling and capping, to turn PET bottle preform into advanced packaging technology of bottled liquid products. The main structure is large plate, independent filling space, clean air filtration system, ensure a more sanitary and safe environment in the filling area. Good transmission system to a large extent to eliminate the transmission error, smooth the transfer of bottles, won't jam the bottle. Equipment design and manufacture in accordance with the European Union CE certification, product quality and safety guaranteed. This machine is suitable for PET bottles and plastic bottles of various shapes, mainly used in pure water, mineral water, distilled water, tea, juice, mix milk, drinks, energy drinks, fruit juice with pulp, etc.

技术参数 TECHNICAL PARAMETERS								
型号	Model	6-24-6	8-32-8	10-40-10	12-50-12	14-60-15	16-70-16	20-80-18
吹瓶腔数	Blowing Molds (Pcs)	6	8	10	12	14	16	20
灌装头数	Filling Heads (Pcs)	24	32	40	50	60	70	80
旋盖头数	Capping Heads (Pcs)	6	8	10	12	15	16	18
生产能力(500ml)	Production Capacity (BPH)	12000	16000	20000	24000	30000	36000	42000

Ultra Clean (Medium Temperature) Filling Production Line

超洁净（中温）灌装生产线



产品特点

- 适用产品：果汁，NFC鲜榨果汁，茶，蛋白饮料等。
- 适用容器：PET瓶。
- 灌装原理：重力灌装，微负压灌装，称重灌装，流量计灌装。
- 灌装温度：68 ~72℃，4~6℃。
- 生产能力：6000~36000BPH。

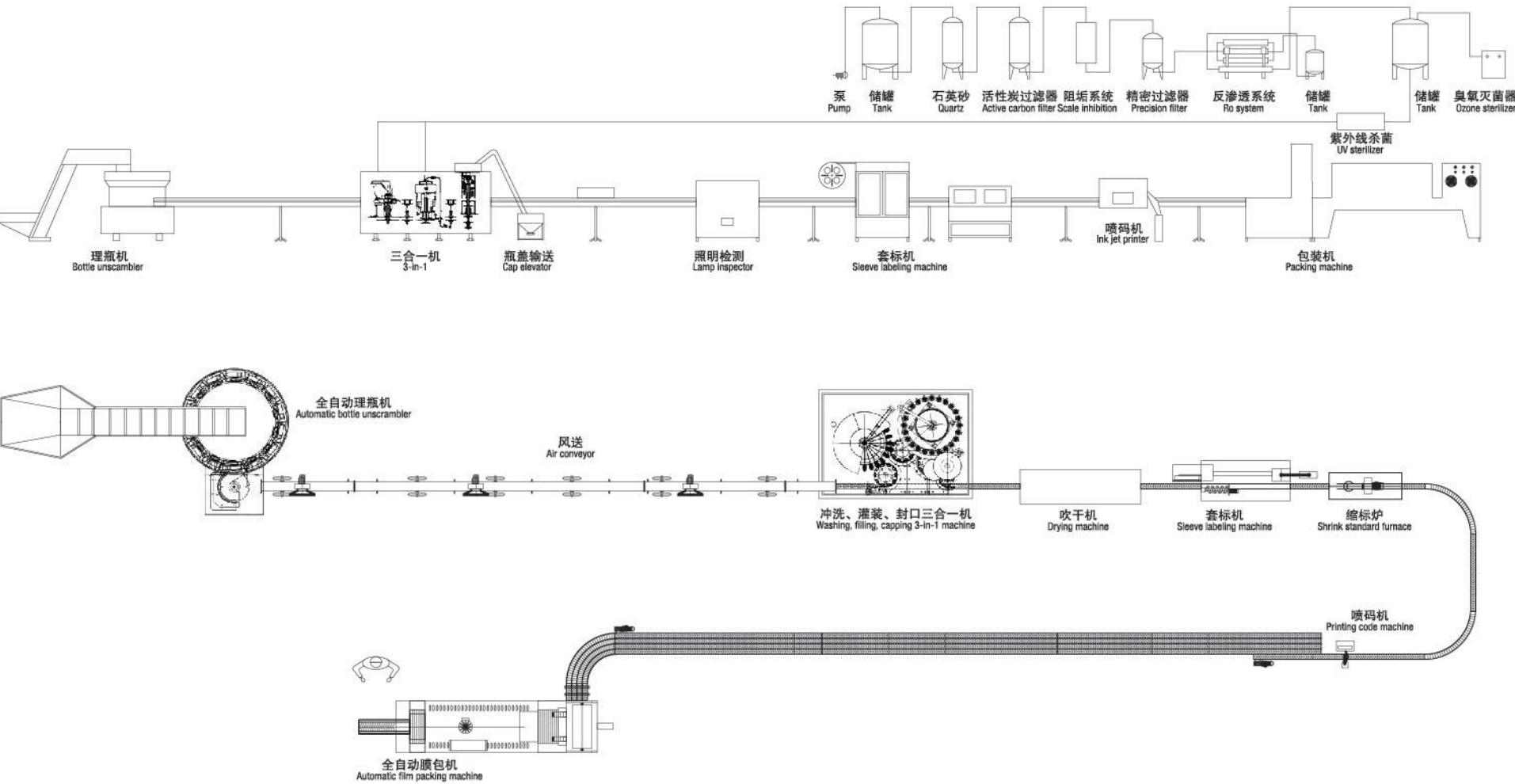
Product Features

- Applicable products: juice, NFC freshly squeezed juice, tea, protein drinks, etc.
- Applicable container: PET bottle.
- Filling principle: gravity filling, micro negative pressure filling, weighing filling, flow meter filling.
- Filling temperature: 68~72℃, 4~6℃.
- Production capacity: 6000~36000 BPH.



Process Flow Chart For Small Bottle Water Filling Production Line

小瓶水灌装生产线流程图



Washing, Filling, Capping 3-in-1 Monobloc

冲洗、灌装、封口三合一机



使用范围

- 物料：矿泉水、纯净水，果味水。
- 容量：330-4000ml。
- 灌装方式：重力灌装/负压灌装。
- 生产能力：3000-30000瓶/小时(500ml)。
- 灌装温度：常温。

Using Range

- Products: mineral water, purified water, fruit water.
- Volume: 330-4000ml.
- Production capacity: 3000-30000 BPH (500ml).
- Filling method: gravity filling /negative pressure filling.
- Filling temperature: normal temperature.

技术参数 Technical Parameters		型号	Model	CGF16-12-6	CGF18-18-6	CGF24-24-8	CGF32-32-10	CGF40-40-12	CGF50-50-15
冲瓶头数	Number of rinsing head	16	18	24	32	40	50		
灌装头数	Number of filling head	12	18	24	32	40	50		
旋盖头数	Number of capping head	6	6	8	10	12	15		
额定产量	Rated production capacity (500ml)	5000BPH	8000BPH	12000BPH	14000BPH	18000BPH	24000BPH		
装机容量	Installed capacity (kw)	3.5	4	4.8	7.6	8.3	9.6		
外形尺寸	Overall size L×W×H(mm)	2400×1700×2300	2400×1850×2300	2780×2070×2300	3330×2560×2300	4550×2650×2300	5450×3210×2300		

3-18L Large Bottle Water Washing, Filling, Capping 3-in-1 Monobloc (Rotary Type)

大瓶水（3-18L）冲洗、灌装、封口三合一机（旋转式）



使用范围

- 物料：矿泉水、纯净水，果味水。
- 容量：3L-18L。
- 生产能力：800-3000瓶/小时(5L)。
- 灌装方式：重力灌装/负压灌装。
- 灌装温度：常温。

Using Range

- Products: mineral water, purified water, fruit water.
- Volume: 3L-18L.
- Production capacity: 800-3000 BPH (5L).
- Filling method: gravity filling/negative pressure filling.
- Filling temperature: normal temperature.



技术参数 TECHNICAL PARAMETERS		CGF8-8-4	CGF12-12-4	CGF16-16-5	CGF24-24-8	CGF32-32-10
型号	Model	CGF8-8-4	CGF12-12-4	CGF16-16-5	CGF24-24-8	CGF32-32-10
冲瓶头数	Number of rinsing head	8	12	16	24	32
灌装头数	Number of filling head	8	12	16	24	32
旋盖头数	Number of capping head	4	4	5	8	10
额定产量(5L)	Rated production capacity	1000	1500	2500	5000	7000
装机容量(KW)	Installed capacity	6.5	8.5	10.5	15	18
外形参考尺寸（根据桶尺寸）	Overall size	1900×1800×2500	2900×2000×2500	4000×2700×2500	5600×3300×2500	6500×3600×2500



3-18L Large Bottle Water Washing, Filling, Capping 3-in-1 Monobloc (Linear Type)

大瓶水（3-18L）冲洗、灌装、封口三合一机（直线式）



产品特点

饮用水灌装设备采用卡瓶颈传动技术，实现全自动冲瓶、灌装、旋盖等工序，自动化程度高。大部分电气系统零件均采用国外先进产品，与液体接触的零件全部使用优质不锈钢材料，具有耐磨、稳定、故障率低等特点，产品质量处于国际先进水平。

Product features

Drinking water filling equipment adopts stuck bottleneck transmission technology to realize fully automatic bottle washing, filling, capping and other processes, with a high degree of automation. Most electrical system parts adopt advanced foreign products, and all parts in contact with liquids adopt high-quality stainless steel materials. They have the characteristics of wear resistance, stability, and low failure rate. The product quality is at the international advanced level.

QGF Series 3 / 5 Gallon Barrel Water Filling Line

QGF 系列全自动桶装水灌装线



五加仑码垛机
5 Gallon Palletizer



热收缩
Heat-shrinking Film



全自动桶装水灌装机
Full Automatic Filling Machine



旋转刷桶机
Rotary Brushing Barrel Machine



拔盖机
Pulling Cap Machine



五加仑灌装机
5 Gallon Filling Machine



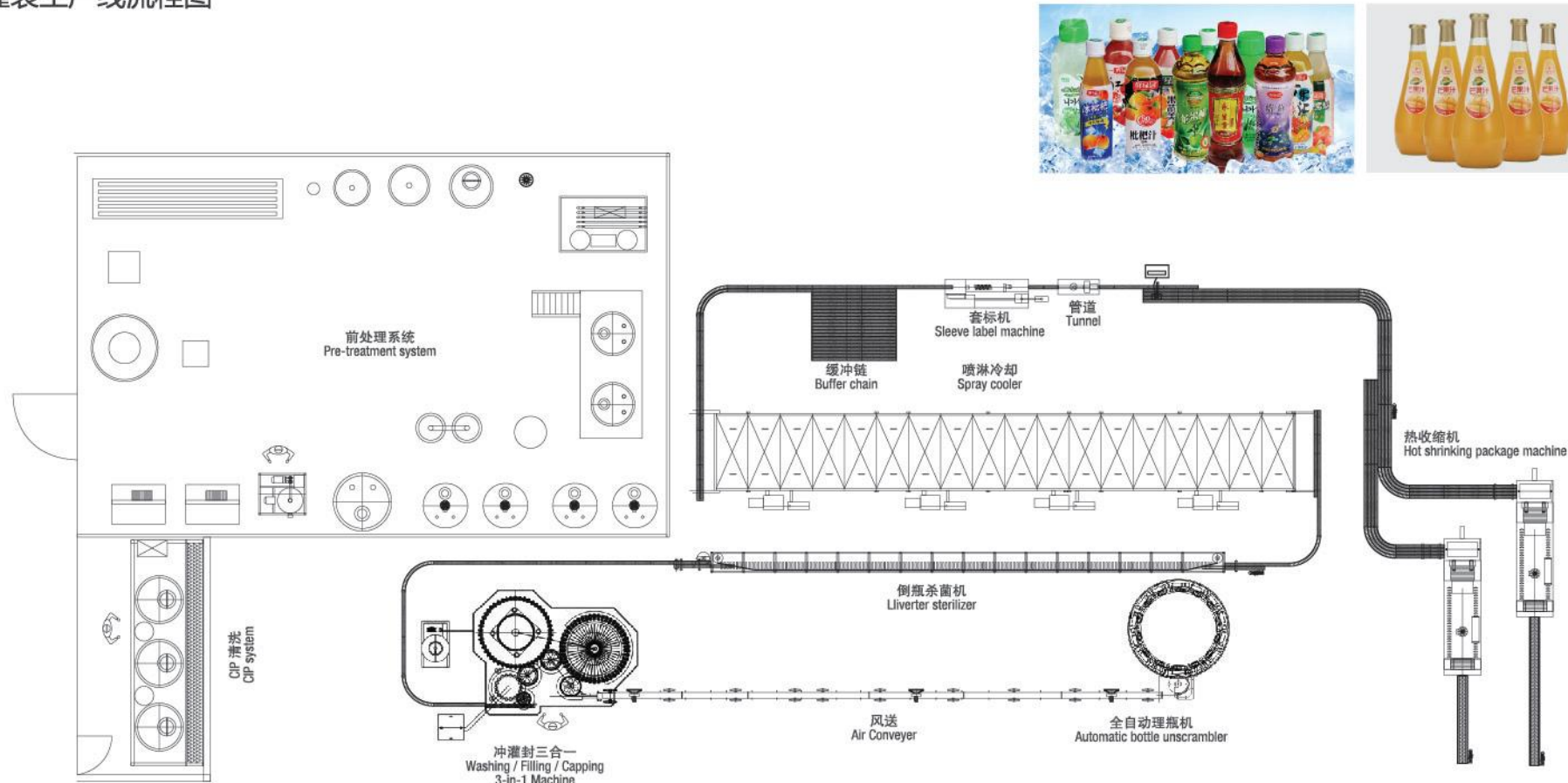
全自动套袋机
Automatic Bagging Machine

技术参数 TECHNICAL PARAMETERS

型号	Model	QGF-150	QGF-300	QGF-450	QGF-600	QGF-900	QGF-1200	QGF-1500
灌装头数	Filling heads	1	2	3	4	6	8	10
容量	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
生产能力	Capacity (b/h)	150	300	450	600	900	1200	1500
气压	Gas pressure (Mpa)	0.4-0.6	0.4-0.6	0.4-0.6	0.6	0.6	0.8	1
用气量	Gas consumption (m³/min)	0.37	0.6	0.8	1	1.5	2	2.1
电机功率	Moto power (kw)	2.8	3.5	4.5	6	10	13	15
额定电压	Rated voltage (V)	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ
机器重量	Weight (kg)	680	1500	2100	3000	3500	4000	4300

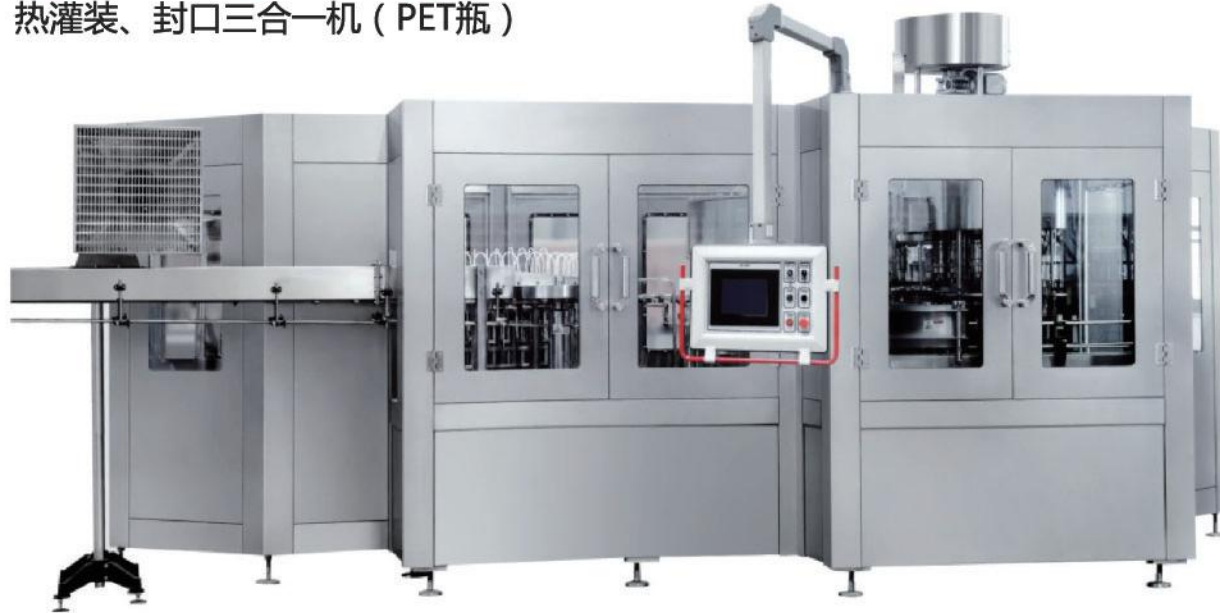
Process Flow Chart For Hot Filling Production Line

热灌装生产线流程图



Washing, Hot Filling, Capping 3-in-1 Monobloc (PET Bottle)

冲洗、热灌装、封口三合一机 (PET瓶)



使用范围

- 物料：果汁、茶饮料、功能饮料等。
- 容量：330-4000ml。
- 生产能力：3000-36000瓶/小时 (500ml) 。
- 瓶口规格：28mm/38mm。
- 灌装方式：压力灌装。
- 灌装温度：85-90度。

Using Range

- Products: fruit, juice, tea drinks, energy drinks, etc.
- Volume: 330-4000ml.
- Production capacity: 3000-36000 BPH (500ml).
- Dia. of bottle neck: 28mm/38mm.
- Filling method: pressure filling.
- Filling temperature: 85-90°C.

技术参数 TECHNICAL PARAMETERS

型号	Model	RCGF8-8-3	RCGF16-12-6	RCGF18-18-6	RCGF24-24-8	RCGF32-32-10	RCGF40-40-12	RCGF50-50-15
冲瓶头数	Number of rinsing head	8	16	18	24	32	40	50
灌装头数	Number of filling head	8	12	18	24	32	40	50
旋盖头数	Number of capping head	3	6	6	8	10	12	15
额定产量	Rated production capacity (500ml)	3000BPH	4000BPH	6000BPH	10000BPH	12000BPH	15000BPH	20000BPH
装机容量	Installed capacity (kw)	3	3.5	4	4.8	7.6	8.3	9.6
外形尺寸	Overall size L×W×H (mm)	1900×1420×2000	2200×1600×2300	2450×1900×2300	2750×2180×2300	4000×2300×2300	4550×2650×2300	5450×3210×2300



Pulp Filling 3-in-1 Monobloc

果肉灌装三合一机



使用范围

- 物料：果汁、茶饮料、功能饮料等。
- 容量：330-4000ml。
- 生产能力：3000-36000瓶/小时（500ml）。
- 瓶口规格：28mm/38mm。
- 灌装方式：重力灌装。
- 灌装温度：85-90度。

Using Range

- Products: fruit, juice, tea drinks, energy drinks, etc.
- Volume: 330-4000ml.
- Production capacity: 3000-36000 BPH (500ml).
- Dia. of bottle neck: 28mm/38mm.
- Filling method: gravity filling.
- Filling temperature: 85-90°C.



技术参数 TECHNICAL PARAMETERS

型号	Model	RCGF18-18-6	RCGF24-24-8	RCGF32-32-10	RCGF40-40-12	RCGF50-50-15
生产能力	Capacity (b/h)	7000	10000	12000	15000	18000
适用瓶型	Bottle Size(mm)	瓶颈Bottle diameter: Φ50-110 瓶高Bottle height: 150-320				
装机容量	Power(kw)	10	10	10	11	18
外型尺寸	Measurement(mm)	3600×1900×2000	3900×2200×2000	4000×2600×2000	4300×2700×2000	5000×3200×2000

Washing, Hot Filling, Capping 3-in-1 Monobloc (Glass Bottle)

冲洗、热灌装、封口三合一机（玻璃瓶）



三旋盖/四旋盖
Three / Four Screw Cap



铝旋盖
Aluminum Screw Cap



皇冠盖
Crown Cap



使用范围

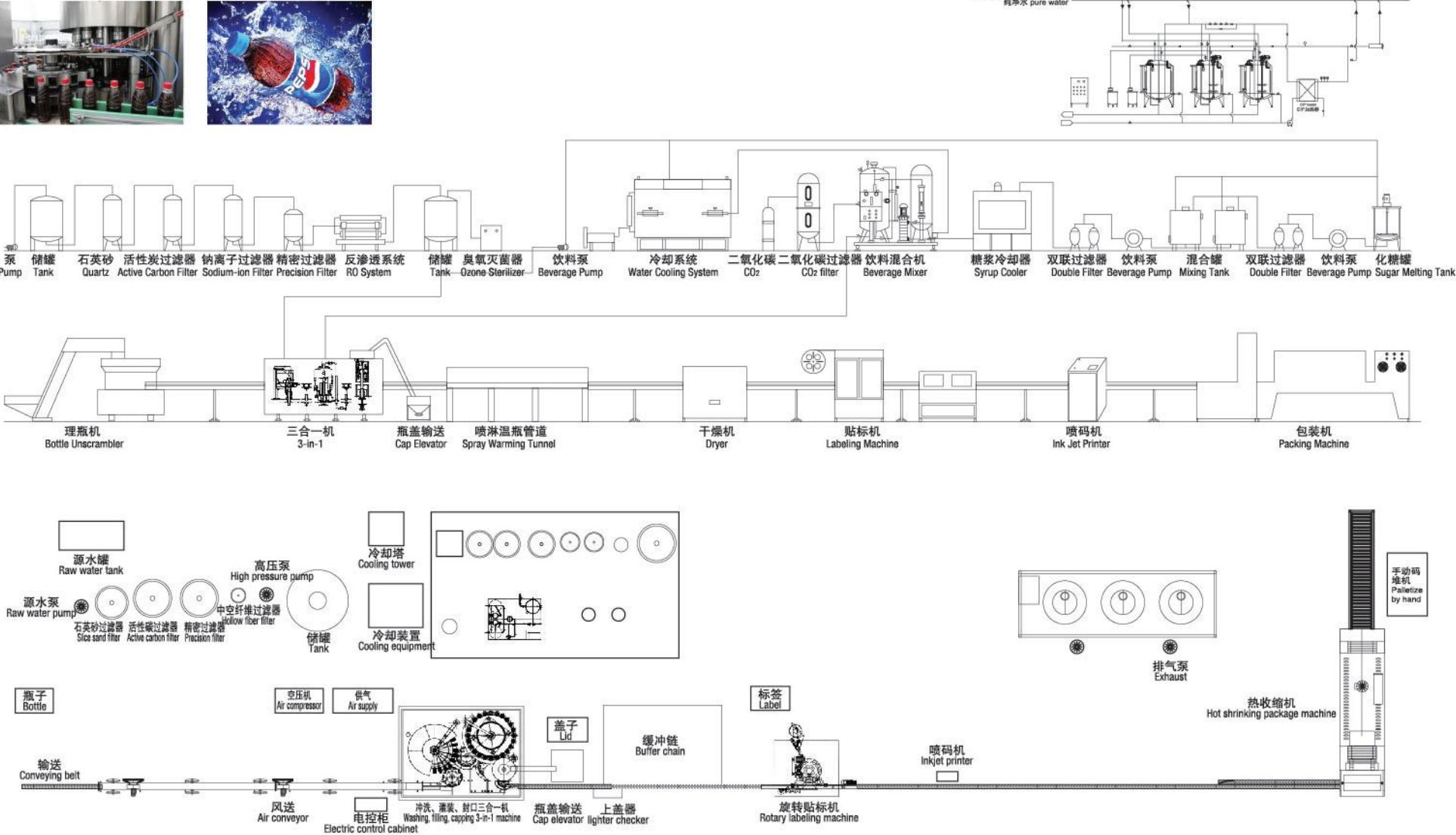
- 物料：果汁、咖啡饮料、蛋白饮料等。
- 容量：100-1000ml。
- 生产能力：5000-36000瓶/小时(500ml)。
- 灌装方式：压力灌装。
- 灌装温度：85-90度。

Using Range

- Products: fruit juices, coffee drinks, protein drinks, etc.
- Volume:100-1000ml.
- Production capacity: 5000-36000 BPH (500ml).
- Filling method: pressure filling.
- Filling temperature: 85-90°C.

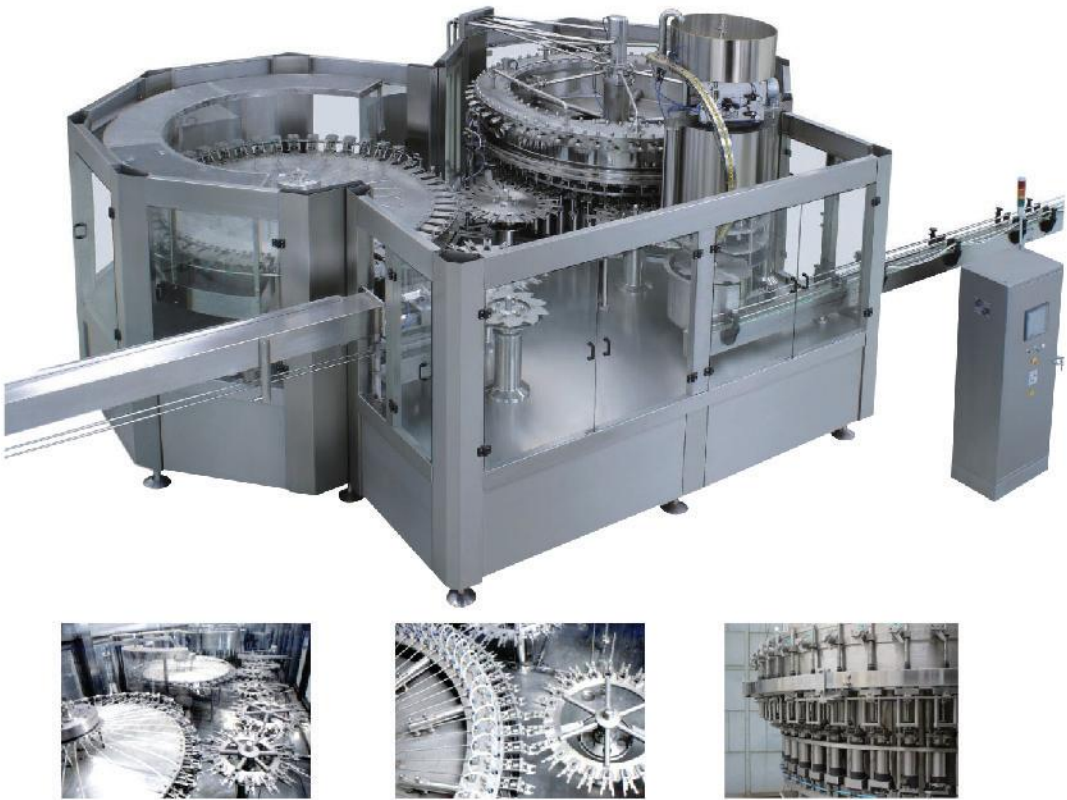
Process Flow Chart For Carbonated Drink Production Line

碳酸（含气）饮料生产线流程图



Washing, Carbonated & Beer Filling, Capping 3-in-1 Monobloc

冲洗、汽水/啤酒灌装、封口三合一机



使用范围

- 物料：含气饮料。
- 容量：330-4000ml。
- 生产能力：3000-36000瓶/小时(500ml)。
- 瓶口规格：28mm/38mm。
- 灌装方式：等压灌装。
- 灌装温度：0-4度。

Using Range

- Product: carbonated soft drink.
- Volume: 330-4000ml.
- Production capacity: 3000-36000 BPH (500ml).
- Dia. of bottle neck: 28mm/38mm.
- Filling method: counter-pressure filling.
- Filling temperature: 0-4°C.

技术参数 TECHNICAL PARAMETERS

型号	Model	DCGF16-12-6	DCGF18-18-6	DCGF24-24-8	DCGF32-32-8	DCGF40-40-12	DCGF50-50-12	DCGF60-60-15	DCGF80-80-20
冲洗/灌装/旋盖头数	Rinsing/filling/capping heads	16-12-6	18-18-6	24-24-8	32-32-8	40-40-12	50-50-12	60-60-15	80-80-20
适用瓶型规格	Bottle diameter(mm)	Φ50-97	H=300			Φ50-Φ105	H=160-320		
生产能力（350ml）	Production capacity 瓶/小时（bph）	2000-4000	4000-6000	8000-10000	10000-12500	12500-15000	16000-20000	20000-24000	26000-32000
灌装温度	Filling temperature(℃)				0-5				
灌装压力	Filling pressure (Mpa)	0.15-0.35	0.15-0.35	0.15-0.35	0.2-0.4	0.2-0.4	0.2-0.4	0.2-0.4	0.2-0.4
电机功率	Motor Power(kw)	2.87	2.93	3.73	6.85	7.5	11	15	19
外形尺寸（长×宽×高）	Overall dimension L×W×H (mm)	2300×1600×2500	2600×1920×2550	3100×2200×2800	3850×3000×2850	4850×3800×2750	5750×3550×2750	6500×5500×2750	7680×6640×2650
重量	Weight(kg)	2800	3650	4800	6800	8650	10500	12800	15000

Non-carbonated Tea, Juice, Protein Beverage Cans Filling And Packing Production Line

不含气茶、果汁、蛋白饮料易拉罐灌装包装生产线



使用范围

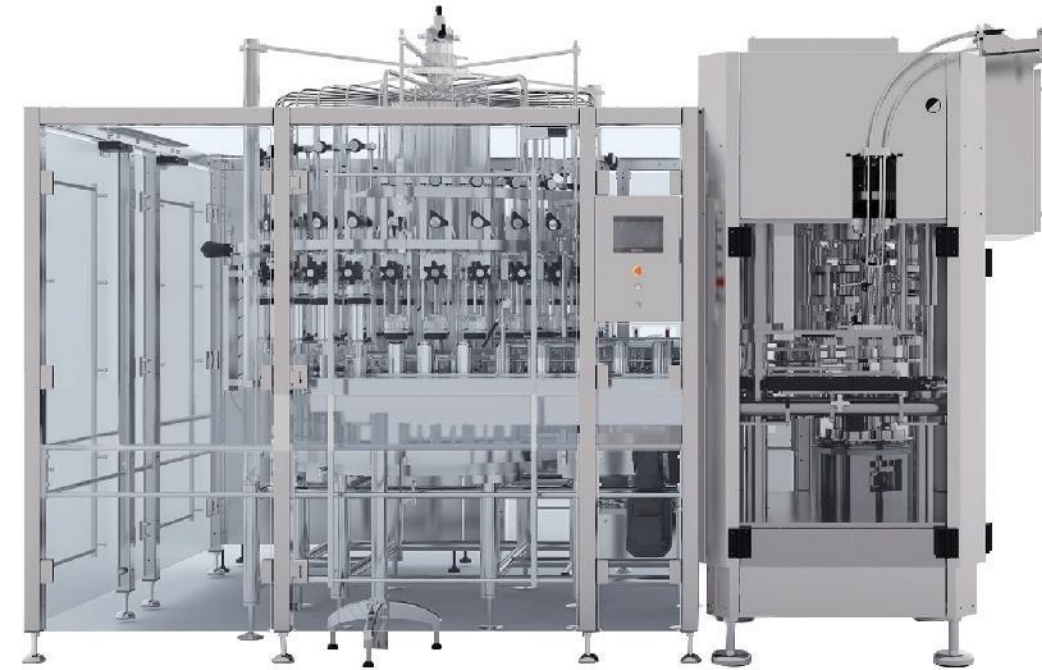
- 物料：果汁、咖啡饮料、蛋白饮料。
- 容量：150-500ml。
- 生产能力：9000-30000罐/小时。
- 罐型：200/202/206/209。
- 灌装方式：重力灌装。
- 灌装温度：85-90度。

Using Range

- Products: fruit juices, coffee drinks, protein drinks.
- Volume: 150-500ml.
- Production capacity: 9000-30000 cans/h.
- Can type: 200/202/206/209.
- Filling method: gravity filling.
- Filling temperature: 85-90°C.

Carbonated Soft Drinks Cans Filling, Capping Integrated Machine

易拉罐含气饮料灌装、封盖二合一机



使用范围

- 物料：含气饮料。
- 容量：150-500ml。
- 生产能力：9000-30000罐/小时。
- 罐型：200/202/206/209。
- 灌装方式：等压灌装。
- 灌装温度：0-4度。

Using Range

- Product: carbonated soft drink.
- Volume: 150-500ml.
- Production capacity: 9000-30000 cans/h.
- Can type: 200/202/206/209.
- Filling method: counter-pressure filling.
- Filling temperature: 0-4°C.

Drinks Mixer

饮料混合机



产品特点

饮料混合机设备采用独特的汽、液混合喷射器和真空脱氧技术，将水、糖浆、二氧化碳一次性混合，混合精度高，二氧化碳混合充分。水与糖浆的混合比由微调计量装置严格控制；配有CO₂压力控制精确，液位控制稳定；设有欠压、低液位等保护报警装置，确保出品质量。该设备具有可靠性高、效率高、操作简便等优点。

Product Features

Drink mixer adopts special mixed gas and liquid ejector and the technique of vacuum deoxidation, drink mixer blends water, syrup and CO₂ together. The mixing precision is high and the CO₂ is fully mixed. The mixing proportion between water and syrup is seriously controlled by micro metering device. It is equipped with CO₂ accuracy pressure control, so that the liquid level is always stable. The alarm device for low pressure and low liquid level ensures the quality of its production. The machine obtains advantages of high reliability, high efficiency, high grade of automation and easy operation, etc.

技术参数 TECHNICAL PARAMETERS							
型号	Model	DYH-1500	DYH-2500	DYH-3500	QHS-1500	QHS-2500	QHS-3500
生产能力	Production capacity (kg/h)	1000-1500	2000-2500	3000-3500	1000-1500	2000-2500	3000-3500
混合比范围（水：糖）	Mixing production scale(water:sugar)	3:1-6:1	3:1-6:1	3:1-6:1	3:1-6:1	3:1-6:1	3:1-6:1
二氧化碳含量	Content of carbon dioxide	3.5-4	3.5-4	3.5-4	2.5-3.5	2.5-3.5	2.5-3.5
混合温度	Mixing temperature (°C)	<4	<4	<4	<5	<5	<5
耗电量	Power consumption (kw)	1.5	2.97	3	1.5	2.97	3
外形尺寸	Overall size L×W×H(mm)	1000×800×2000	1500×1000×1900	1700×1000×2200	1000×800×2000	1500×1000×1900	1700×1000×2200

Fully Automatic Bottle Blowing Machine

全自动吹瓶机



产品特点

适合吹制各种碳酸饮料瓶、矿泉水瓶、药瓶、油瓶、化妆品瓶、茶饮料瓶等任何几何形状的塑料瓶。悬挂式的出瓶风送系统，可直接连接灌装线，免去了客户购买昂贵的理瓶机；采用高端的人机界面电脑控制系统，保证了设备运行的精确性及稳定性；烘道采用单组式循环加热设计，瓶坯加热中心距更小，加热速度更快，比老款机型双组式循环加热设计节约电能60%；无连杆特殊模结构获国家专利，锁模动作快，节约气能。一款可进行远程连线控制的全自动吹瓶机。

Product Features

Suitable for CO₂ bottle, mineral water bottle, pharmaceutical bottle, oil bottle, cosmetic bottle, hot filling bottle.Can be connected with filling machine directly. Saving the investment on ordering-bottle machine. Adopting high technology Micro PLC controller. Ensure the machine working properly and stable.Preheater use single unit rotation heating design, preform heating center distance smaller, heating speed more faster, compare to old design with double unit rotation heating design. Electric Special mould locking system enables faster mould locking while saves the air source a Network-service help system for the blow molding machine.

空压机特点

获国家发明专利
缸头设有高温保护装置
外置油箱三年以上无需加油
使用寿命是同类产品的三倍

Features

National invention patents
High-temperature protection device in cylinder end
External oil tank, no refill for 3 years
Service life 3 times longer



Unscramble Bottle Machine

理瓶机



产品特点

把杂乱无章的塑料瓶整理后有次序有方向的排列至输送机上，送入其他设备，完成下道工序（如冲瓶，灌装等），降低了工人的劳动强度，提高生产效率，同时也可避免聚酯瓶因人手接触而造成的二次污染。

Product Features

Unscramble the plastic bottles, then transfer them to conveyor in order and certain direction and feed them into other equipments to finish next procedure (such as rising and filling etc), decrease labor intensity and improve productivity effect, also avoid twice polluting caused by hand touching PET bottles.

技术参数 TECHNICAL PARAMETERS

型号	Model	PLP-200A
生产能力	Production capacity	8000瓶/小时(500ml)-24000瓶/小时(500ml)
瓶型	Bottle type	圆形或方形 Round or square shaped bottle
适用瓶颈	bottle diameter (mm)	Φ50-Φ90
适用瓶高	Height (mm)	150-310
总功率	Total power (kw)	3.6
汽源压力	Air source pressure (Mpa)	5
外形尺寸	Overall sizeL×W×H (mm)	2300×2210×2300
总重量	Total weight (kg)	3500

Labeling Machine

标签机

套标机 Sleeve Labeling Machine



热熔胶贴标机 OPP Hot Glue Labeling Machine



Code Printer

喷码机

产品特点

- 可打印1-4行，字体大小可调。
- 喷码速度100m/分，条形码30m/分。
- 125ml墨水可喷印3千万字符(3mm高)。
- 可储存100条设置信息。
- 适用于金属、熟料、玻璃、纸质等材料。

Product Features

- Can print 1-4 lines, with adjustable font size.
- The coding speed is 100m/min, and the barcode speed is 30m/min.
- 125ml ink can print 30 million characters (3mm high).
- Can store 100 sets of setting information.
- Suitable for materials such as metal, clinker, glass, paper, etc.



激光喷码机
Laser Code Printer



油墨喷码机
Ink Code Printer

不干胶贴标机 Self-adhesive Labeling Machine



浆糊贴标机 Paste Labeling Machine



ZP-250A Linear Shrink Wrapping Machine

ZP-250A 直线式收缩包装机



ZP-350A High Speed Shrink Wrapping Machine

ZP-350A 高速裹包机



Product Features

This machine using imported PLC automatic program control,stable performance,precise control.Auto-matic conveying feeding,bottle unscrambling,shrinkage,cooling and shaping process of automatic function. During the conveying process, it is automatically combined into packages to save time and improve efficiency. Conveyor motor imported frequency converter control,stepless regulation. Advanced spiral wind circulation structure,three layers of insulation layer processing,energy saving.The machine is suitable for mineral water,beverage,beer,wine and infusion bottles.

产品特点

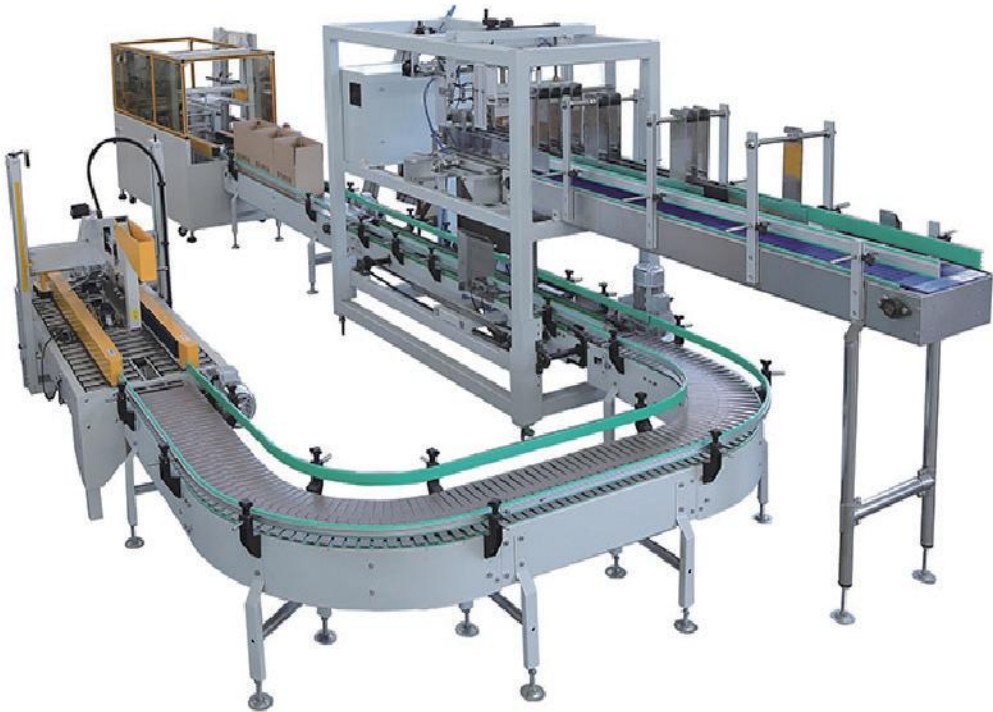
本机采用进口PLC程序自动控制，性能稳定，控制精准。具有自动输送进料，理瓶、收缩、冷却定型流程的全自动化功能。进输送过程中，自动组合成包，节省时间，提高效率。进口变频器控制，实现无极调度。先进的螺旋风循环结构，三层隔热层处理，节约能源。本机适用于矿泉水、饮料、啤酒、白酒、输液药瓶。

技术参数 TECHNICAL PARAMETERS

型号	Model	ZP-250A	ZP-350A
整机外形尺寸	Overall dimensions(m)	L12000×W1100×H2100	L12000×W1000×H2100
整机重量	Machine weight(kg)	2.0T	2.5T
热收缩炉尺寸	Heat shrink tunnel size(mm)	L4000×W1020×H1950	L4000×W1020×H1950
最大包装尺寸	Maximum package size(mm)	L800×W650×H450	L800×W650×H450
包装速度	Packing speed (pcs/min)	15-20	25-30
输送带宽度	Conveyor belt width(mm)	541	541
工作气压	Working air pressure(Mpa)	0.6-0.8	0.6-0.8
整机功率	Machine power(KW)	30	45

Carton Packaging Machine

纸箱包装机



产品特点

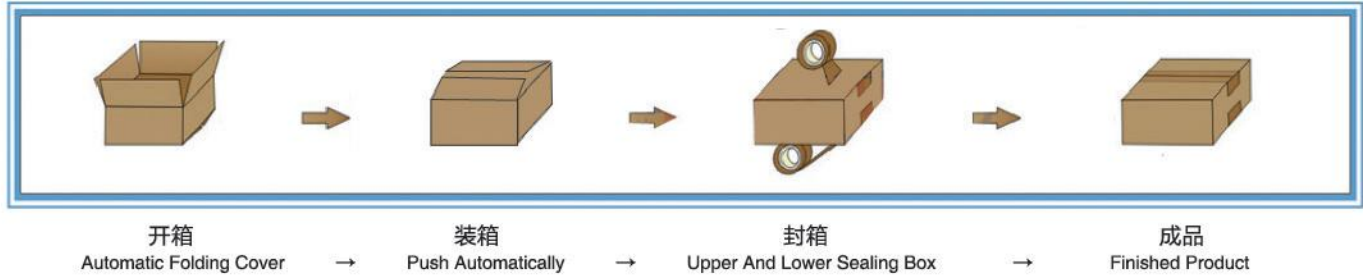
本机采用落差式装箱，专为瓶类产品自动装箱设计，机器快速、稳定、简单，兼容性强适合不同规格不同排列产品使用。本机适用于矿泉水、饮料、啤酒、白酒、输液药瓶。

Product Features

This machine adopts drop type packing, and is specially designed for automatic packing of bottle products. The machine is fast, stable, simple and compatible with different specifications and different arrangement products. This machine is suitable for mineral water, beverage, beer, liquor, infusion medicine bottle.



本封箱机的封箱流程如下：The Operation Process Of This Carton Packaging Machine Is As Follows:



Palletizer

码垛机



产品特点

- 采用侧进箱方式，占地面积小，简化码垛机前的输送系统，整机比机器人码垛总成本节省30%以上。
- 低位码垛式，业界先进逐层式码垛设计理念，结构更先进，动作更轻便平稳，功耗也较小。
- 采用PLC程序控制，及变频调速，纸箱输送、排序、堆垛，卸栈板、实垛输出等可自动化实现。
- 整机安全性极高及强大的诊断功能，多项安全设计及故障即时显示功能，保障人身安全，维修的快捷和简便。
- 堆垛方式的调整方便、简单，可在人机界面上进行。故障无需更换堆垛零件即可以完成几种堆垛方式。
- 可实现纸箱码垛或收缩膜包装产品的码垛。

Product Features

- The side box mode is adopted, the area is small, the conveying system in front of the palletizer is simplified, and the total cost of the whole machine is more than 30% less than that of the robot palletizing.
- Low-position palletizing, the industry advanced layer-by-layer palletizing design concept, more advanced structure, lighter and more stable action, less power consumption.
- Adopting PLC program control and frequency conversion speed regulation, carton transportation, sorting, stacking, unloading pallet, solid stack output can be realized automatically.
- The machine has extremely high safety and powerful diagnosis function, a number of safety design and fault real-time display function, to ensure personal safety, fast and simple maintenance.
- The adjustment of the stacking mode is convenient and simple, and can be carried out on the man-machine interface. Several stacking methods can be completed without replacing stacking parts.
- It can realize the palletizing of carton palletizing or shrink film packaging products.

Robot Palletizer

机器人码垛机



产品特点

- 采用触摸屏操作实现人机对话，可显示生产速度，故障原因及位置，自动化程度高。采用PLC可编程序对纸箱的排序堆垛层数、栈板供应及排出均可编入程序进行控制。
- 堆垛方式的调整方便、简单，可在触摸屏上进行。
- 纸箱供应系统采用刹车马达控制，保证按预先设定好的位置输送纸箱。
- 栈板库容量大，可容纳8-10个空栈板，可实现自动供应栈板。

Product Features

- Touch screen operation is used to realize man-machine dialogue, which can display the production speed, fault cause and location, and has a high degree of automation. PLC can be programmed to control the sorting and stacking layers of cartons, pallet supply and discharge.
- The adjustment of the stacking method is convenient and simple, and can be carried out on the touch screen.
- The carton supply system adopts brake motor control to ensure that cartons are transported in predetermined positions.
- The pallet warehouse has a large capacity and can accommodate 8-10 empty pallets, allowing automatic pallet supply.

技术参数 TECHNICAL PARAMETERS		
型号	Model	ZPMD-05
电源/功率	Power	380V, 50/60Hz, 12KW
码垛高度	Palletizing height	2000mm以下，也可定制 below 2000mm, can also be customized
有效负载	Payload	80-700kg(根据客户需求选定适合型号的机器人) 80 -700 kg (select the appropriate model of robot)
适用产品	Applicable product	各纸箱、塑料框、袋装、塑料膜、桶包装的产品 products packed in cartons, plastic frames, bags, plastic films, and barrels
码垛速度	Palletizing speed	10-40次/分钟 10-40 beats/min
适用栈板	Applicable pallet	可定制 customizable
抓取方式	Crawling mode	单包/多包 single package/multiple package
使用气源	Using air source	6-7kg
工作半径	Working radius	800-3150mm

Online Winding Machine

在线式缠绕机



产品特点

- 膜架为纯铸铝膜架，轻便稳定。选用耐磨胶辊，使用寿命长。膜架动力预拉伸机构，预拉伸可达250%。膜架上升，下降速度，送膜速度可调。顶部及底部缠绕数分别单独控制。薄膜系统随动机构，一拉即可。升降立柱为双链条结构，平稳可靠。
- 只需按自动运行按钮，即可完成整个包装过程，自动手动随时转换。PLC可编程控制，缠绕层数、越顶高度、加固层数可直接在面板上设置。光电开关，自动感测货物的高度。精选电器控制元件，可靠性高。

Product Features

- The membrane frame is a pure cast aluminum membrane frame, which is light and stable. Adopting wear-resistant cots for long service life. Film frame dynamic pre-stretching mechanism, pre-stretching can reach 250%. The film frame ascending and descending speed and film feeding speed can be adjusted. The number of top and bottom windings is controlled separately. Membrane system follow-up mechanism, a pull can be. Lifting column is double chain structure, stable and reliable.
- Just press the automatic operation button to complete the entire packaging process, and switch automatically and manually at any time. PLC is programmable control, and the number of winding layers, over-the-top height, and reinforcement layers can be set directly on the panel. Photoelectric switch automatically senses the height of goods. Select electrical control components for high reliability.

技术参数 TECHNICAL PARAMETERS

裹绕规格	Wrapping specifications	(500-1200)x(500-1200)mm
包装高度	Packaging height	1800mm
转盘尺寸	Turntable size	1800×625mm
转盘转速	Turntable speed	0-15rpm
膜架机构	Membrane frame mechanism	预拉伸机构 pre-tensioning mechanism
包装材料	Packaging material	LLDPE

Bottles Conveying Belt

实瓶输送



PET Empty Bottles Air Conveyor

PET空瓶气流输送线

产品特点

PET空瓶气流输送线利用风机产生的气流输送空瓶，可以灵活的转弯、爬升和下降。由冲制成行的风口，风力更集中，风压更稳定。气缸控制的护栏有大、中、小三档，更换瓶型时节省人工。风机2.2-3KW，流（风）量2500立方/小时，在由PLC控制风机变频器的同时实现自动变频风量、风压，从而达到输送速度的控制，减少PET瓶子的卡瓶和擦伤。

Product Features

This conveyor line, using the airflow generated by the fan on the air conveyor, is able to flexibly make a turn, climb and decline. With farious air opening, wind power is more focused, and wind pressure is more stable. The guardrail controlled by cylinder is degreed into large, middle and small, it is labor-saving while changing bottle type. Power of fan is 2.2-3kw, and airflow rate is 2500m3/h. At the same time when PLC controls fan transducer, it can automatically change input air and wind pressure to reach the control of conveying speed, and reduce blocking bottles and scratching.

