


ONE-STOP

BEVERAGE PRODUCTION LINE
EQUIPMENTS MANUFACTURER

一站式饮品生产线设备制造商

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HENGYU
恒宇饮料机械

张家港市恒宇饮料机械有限公司

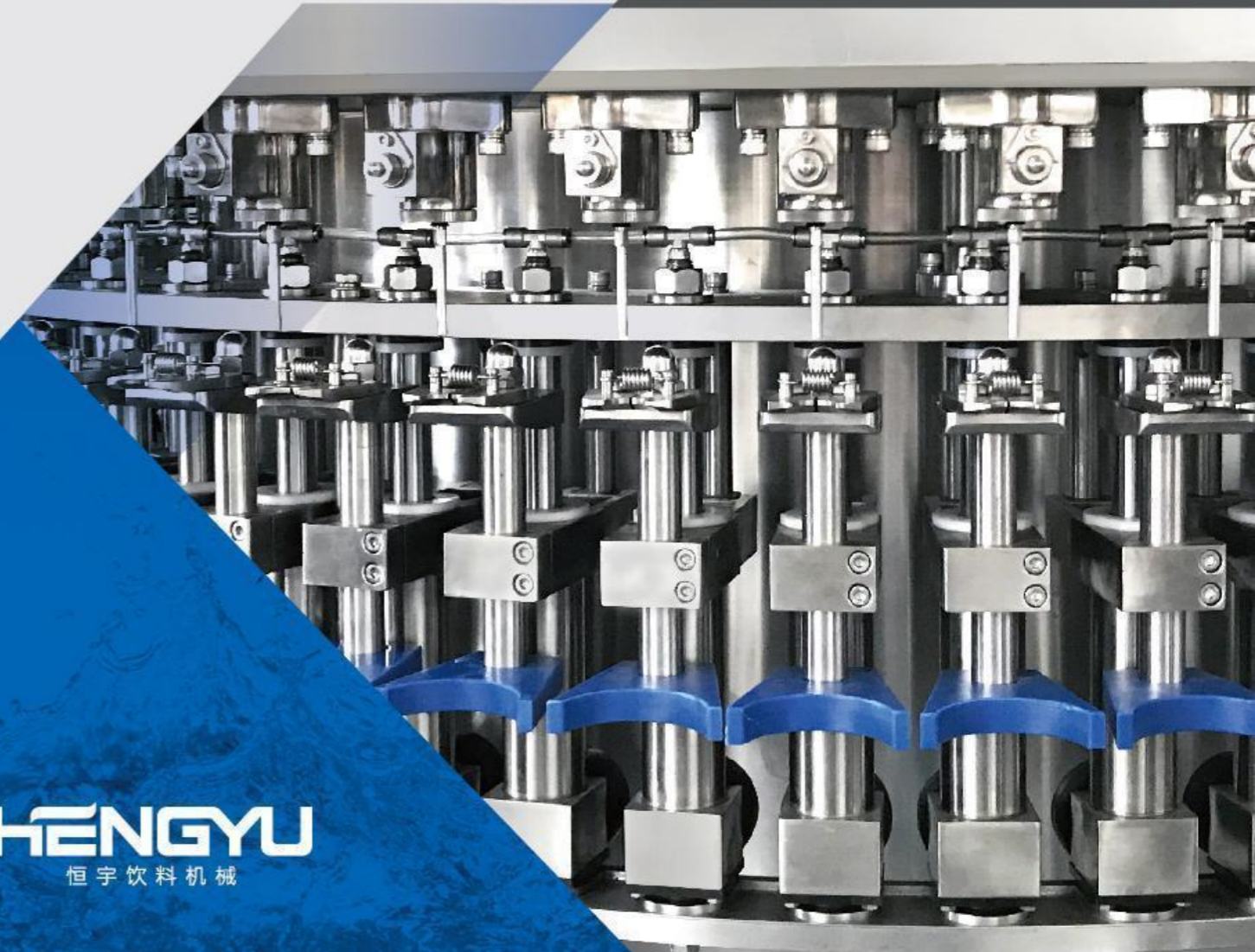
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HENGYU
恒宇饮料机械



Zhangjiagang Hengyu Beverage Machinery Co. Ltd.

is located in the typical civilized city - Zhangjiagang City, east of Shanghai, Nanjing West marina, north of the Yangtze, the traffic is very convenient, is a set design, manufacturing, sales and provide customers with a turnkey project for the integration of professional production enterprises. Based on years of research and production experience, the company widely absorbs and digests the advantages of the same industry both at home and abroad, and has introduced the latest beverage packaging machinery technology from Germany and Italy.



企业简介

张家港市恒宇饮料机械有限公司地处全国文明典型城市——张家港市，东邻上海，西壤南京，北枕长江，交通极为便利，是一家集设计、制造、销售及为客户提供交钥匙工程为一体的专业生产企业。公司以多年研究成果和生产经验为基础，广泛吸收和消化国内外同行业优势，并相继从德国、意大利全套引进最新饮料包装机械技术。

Company Profile

公司秉承快引进、多引进、不断创新的科技革新观念，形成了恒宇饮料机械独特的市场竞争优势，竭诚为广大新、老客户供碳酸饮料、果汁饮料、乳酸饮料、纯净水、矿泉水及葡萄酒、白酒、起泡酒、调味品和浓浆饮料等自动冲洗、灌装、封口、生产流水线；成套水处理设备及桶装饮用水全自动生产流水线。还可根据客户的特殊要求，制造适合客户不同生产条件和能力范围的饮料设备。

公司产品不仅畅销国内，并且出口俄罗斯、南非、英国、马来西亚、澳大利亚、新加坡、缅甸、斯里兰卡等几十个国家。创造了大量的优良业绩，深受广大用户好评，奠定了公司在行业里的牢固地位。我们将一如既往地遵循“讲究实效、完善管理、提升品质、互惠互利”的经营理念，携手各界人士，建立长期稳定的合作关系，共同发展、共创辉煌未来！

热烈欢迎各界人士莅临指导，洽谈业务！

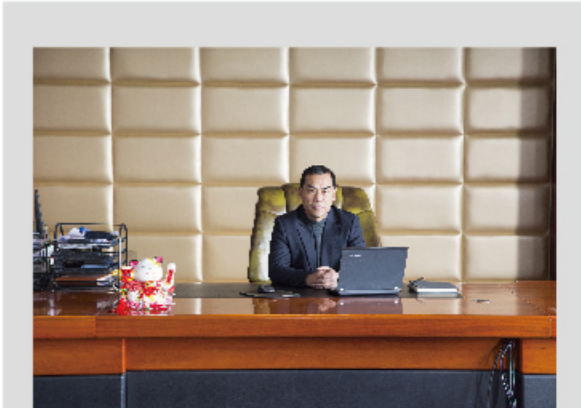
Companies adhering to the "fast introduction and introduce the concept of innovation, technological innovation, the formation of the market competitive advantage of unique hanyo beverage machinery, wholeheartedly for the new and old customers with carbonated drinks, fruit juice, lactic acid beverage, pure water, mineral water and Wine, white wine, sparkling wine, spices and concentrated pulp beverage automatic flushing, filling, sealing, complete sets of production lines; water treatment equipment and automatic production line of bottled drinking water.

According to the special requirements of the customer, we can make the beverage equipment suitable for the different production conditions and the range of the customers.

The company's products not only sell well in China, but also export to dozens of countries such as Russia, South Africa, Britain, Malaysia, Australia, Singapore, Burma and Sri Lanka. Created a large number of excellent performance, well received by the vast number of users, laid the firm's firm position in the industry.

We will continue to follow the business philosophy of "stressing effectiveness, improving management, improving quality and mutual benefit". We will work together with all walks of life to establish long-term and stable cooperative relations and jointly develop and create brilliant future.

Warmly welcome people from all walks of life to visit and guide, negotiate business!



PRODUCTION AND EQUIPMENT

生产装备

先进的生产设备，精良的流水制作，尽显一流品质，技术专家直接参与生产。

保证产品的稳定和可靠万无一失，与日俱增的精品意识和源源不断的工业精品令世界机械制造业日新月异。

无论世界如何变化，恒宇精益求精的精神永远不变。

Advanced production equipment, professional manufacturing process with a full first-class quality.

Technical experts directly involved in the production, to ensure stable and reliable product foolproof.

Excellent growing awareness and a steady stream of industrial machinery manufacturing fine to make the world changing.

No matter how the world changes, our spirit of excellence that will never change.



CONTENTS 目录



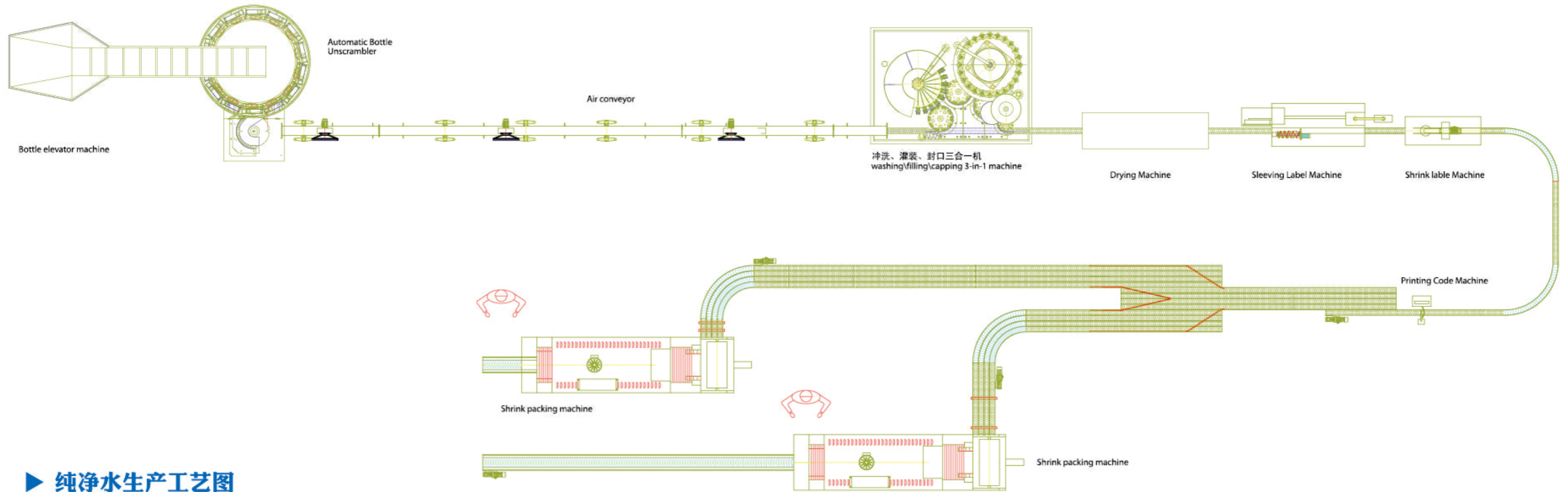
饮用水系列

Drinking Water Series



▶ 瓶装饮用水生产线平面布置图

Plants Layout of Bottle Drinking Water Production Line

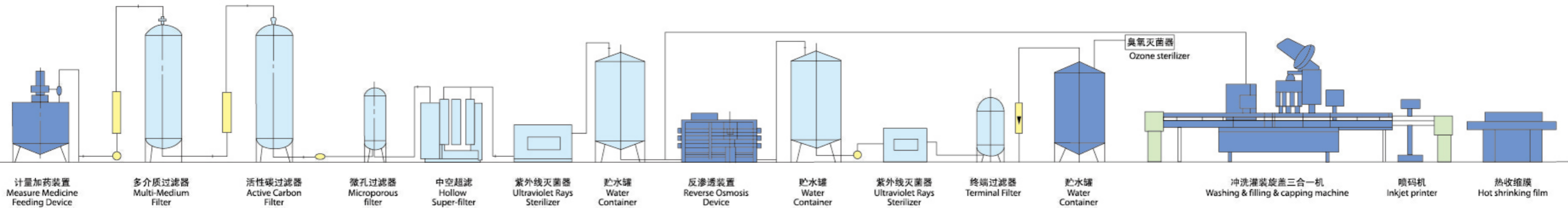


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▶ 纯净水生产工艺图

The Flow Sheet of Purified Water Production Line



Bottled Water Filling Machine

瓶装水灌装机



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特点:

- 主要用于 (PET) 聚酯瓶装各种矿泉水、纯净水、酒类等不含气饮料的生产。
- 在一机上实现冲洗、灌装和封盖。
- 缩短了物料与外界的接触时间,提高了卫生条件、生产能力和经济效益。
- 悬挂式卡瓶口输送瓶结构,更换瓶型更方便、快捷。
- 主机采用先进的 PLC 可编程自动控制技术。
- 关键的电器原件均采用德国西门子、日本三菱、法国施耐德、欧姆龙等知名产品。



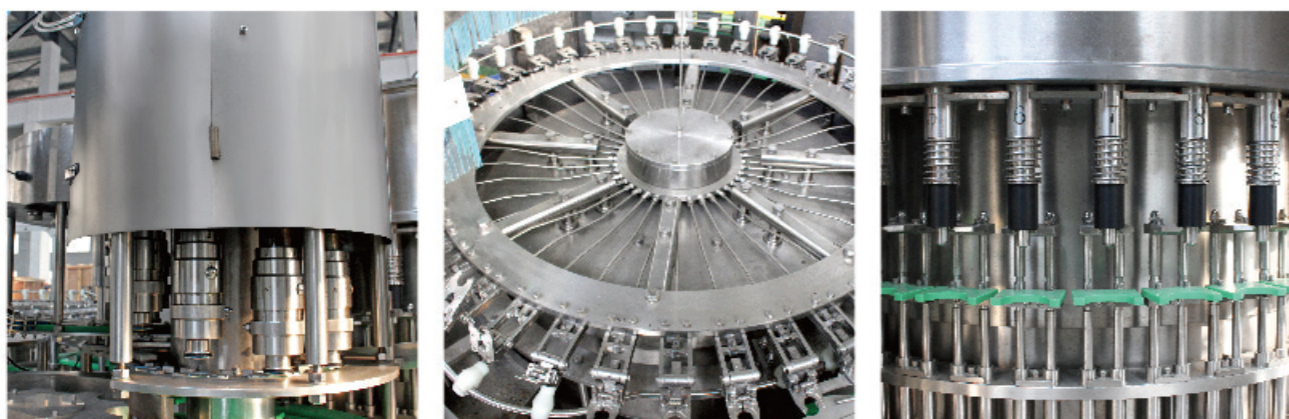
Performance

- The machine is mainly used for PET bottled non-carbonated beverage production line, such as spring water and wine drinks.
- Washing, filling and capping are available in one machine.
- The contact time between raw materials and the outside world has been reduced to improve the health conditions, production capacity and economic benefits.
- The structure of conveying is hanging type and clamping the bottleneck to easily change bottle type.
- Using the advanced PLC (Programmable Logic Controller) technology.
- The major electrical apparatus are all products of well-known brands, such as SIEMENS, MITSUBISHI, Schneider and OMRON.

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主要技术参数 Main Technological Parameter(500ml)

型号 Model	CGF 14-12-5	CGF 18-18-6	CGF 24-24-8	CGF 32-32-10	CGF 40-40-12	CGF 50-50-12	CGF 60-60-15
冲洗头数 Rinsing heads	14	18	24	32	40	50	60
灌装头数 Capping heads	12	18	24	32	40	50	60
旋盖头数 Capping heads	5	6	8	10	10	12	15
产量 Capacity(B/H)	4000	7000	11000	13000	18000	24000	28000
功率 Power(KW)	2.2	3.5	4.5	6	7.5	9.5	11.2
尺寸 Dimensions(mm)	2400x1650x2500	2600x1920x2550	3100x2100x2800	3800x2800x2900	4600x2800x2900	5450x3300x2900	6500x4500x2900
重量 Weight(Kg)	2500	3500	4500	5600	8500	9800	12800



3-5L Bottled Water Filling Machine

3-5L瓶装水灌装机



特点:

- 5升桶灌装生产线是专供3-5桶装饮用水生产之用。
- 在一机上实现冲洗、灌装和封盖。
- 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卫淋装置，以确保瓶盖无菌清洁。
- 主要电器元件均采用西门子、三菱、施耐德、欧姆龙等知名产品。
- 该生产线结构紧凑，占地面积小，自动化程度高。



Performance

- This filling production line is used for 3-5 barrels potable water.
- It consists of washing, filling and capping.
- The bottle washer adopts multi-channel washing liquid injection and disinfectant injection for the purpose of washing sterilization and the disinfectant is recyclable.
- The sealing machine can start sealing automatically and the bottle conveying port is equipped with a sanitation device to ensure the sanitation of cap.
- The major electrical apparatus are all products of well-known brands, such as SIEMENS, MITSUBISHI, Schneider and OMRON.
- This production line has fracture of impact structure, small occupation of land and high automation.

主要技术参数 Main Technological Parameter

型号 Model	SGF-12-12-5	SGF-16-16-5	SGF-20-20-5
生产能力 Production Capacity(b/h)	1200-1500	2000-2500	3000-4000
灌装容量 Filling Volume(L)	2.5-5	2.5-5	2.5-5
冲洗-灌装-封盖头数 Rinser-Filler-Capper Quantity	12-12-5	16-16-5	20-20-5
灌装精度 Filling Accuracy(%)	±2	±2	±2
气源压力 Pneumatic Pressure(Mpa)	0.7	0.7	0.7
耗气量 Air Consumption(L/min)	800	800	800
清洗水压 Pressure Washing(Mpa)	0.2-0.25	0.2-0.25	0.2-0.25
清洗水量 Rinsing Water Consumption(L/h)	1.8	2.4	2.4
额定电压 Rated Voltage(V)	380	380	380
主电机 Total Power(kW)	2.2	3	4
总功率 Motor Power(kW)	3.5	4.5	5.0
外形尺寸 Dimensions(L×W×H)(mm)	3000×2000×2500	3350×2500×2500	3690×2790×2500
质量 Weight(kg)	约4000	约5000	约5000



3-5 Gallons Barrelled Water Production Line

3-5加仑桶装饮用水生产线



特点:

- ◎ 全自动桶装生产线 QGF 系列专供 3-5 加仑桶装饮用水生产之用。
- ◎ 该系列生产线由洗瓶、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，输送瓶盖过程配有卫淋装置，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。
- ◎ 主要电器元件均采用西门子、三菱、施耐德、欧姆龙等知名产品。
- ◎ 该生产线结构紧凑，占地面积小，自动化程度高，是矿泉水、蒸馏水及纯净水生产的理想设备。

Performance

- ◎ QGF series automatic production line is specialized for production of 3-5 Gallon barrel.
- ◎ The machine consists of washing, filling and sealing in one.
- ◎ The bottle washer adopts multi-channel washing liquid injection and disinfectant injection for the purpose of washing sterilization. The disinfectant is recyclable.
- ◎ The sealing machine can start sealing automatically and the bottle conveying port is equipped with a sanitation device to ensure the sanitation of cap.
- ◎ Washing, disinfection, filling, gland, counting and discharging is automatic.
- ◎ The major electrical apparatus are all products of well-known brands, such as SIEMENS, MITSUBISHI, Schneider and OMRON.
- ◎ This production line is an ideal choice for mineral water, distilled water and purified water with impact structure, small occupation of land and high automation.

主要技术参数 Main Technological Parameter

型号 Model	QGF-150	QGF-300	QGF-450	QGF-600	QGF-900	QGF-1200
灌装头数 Filling Heads	1	2	3	4	6	8
灌装容量(L) Volume	18.9	18.9	18.9	18.9	18.9	18.9
桶形规格(mm) barrel size	φ 270×490	φ 270×490	φ 270×490	φ 270×490	φ 270×490	φ 270×490
生产能力 Capacity(b/h)	100	300	450	600	900	1200
气源压力(Mpa) Gas pressure	0.4-0.6	0.4-0.6	0.4-0.6	0.6	0.6	0.6
耗气量(m ³ /min) Gas consumption	0.37	0.6	0.8	1	1.5	1.8
电机功率(kw) Moto power	1.38	3.8	3.8	7.5	9.75	13.5
额定电压(V) Rated Voltage	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ
重量(kg) Weight	680	1500	2100	3000	3500	4500



Water Treatment Equipment

水处理设备

根据客户要求及水质条件,我们采用不同的水处理设备以生产纯净水、矿泉水等。主要设备有:石英砂过滤器、活性炭过滤器、钠离子交换器、中空纤维过滤器、反渗透设备、紫外线杀菌、臭氧发生器、储水罐等。处理能力为0.5-50吨/小时。能够有效去除地表水中浊度有机物、铁、锰和氧化物,过滤水中的悬浮物、交替、微生物、氯化物和重金属离子等,降低水质硬度,使水质各项指标完全符合国家生活饮用水标准。

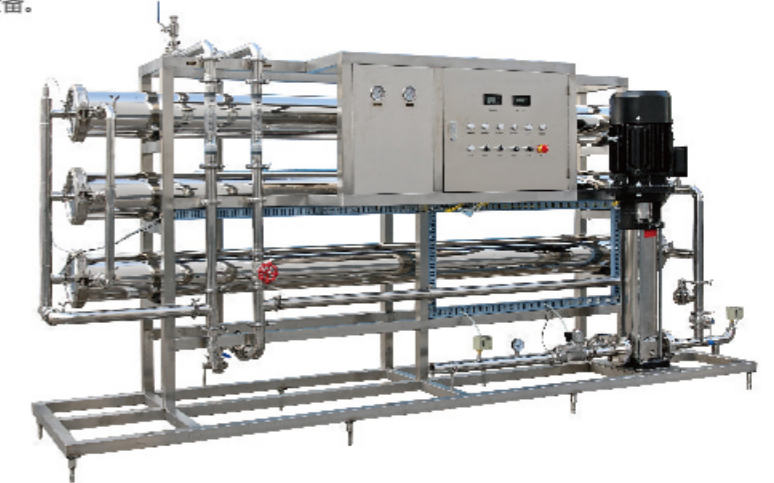
According to customers' requirements and the source water quality, we adopt different equipments to produce pure water, mineral water, etc. The main equipments are silica sand filter, active carbon filter, sodium ion exchanger, hollow fiber filter, RO (reverse osmosis), UV sterilizer, precision filter, ozone generator, water tank, etc. The treatment capacity is 0.5-50 ton/hour. It can effectively get rid of muddy organic matter, iron, manganese and oxide, filter suspended substance, colloid, microorganism, chloride and heavy metal ions in the water; reduce the hardness of the water to make all specifications of the water quality fully meet the state fresh water standard of fresh drink water.



Reverse Osmosis Device

反渗透装置

- 装置核心部件反渗透膜采用世界著名的美国海德能公司的反渗透膜。
- 带有全套膜清洗装置。
- 结构简单,操作方便,技术水平高。
- 在泵水电导率小于 300uS/CM 的条件下,经本装置处理后的水,水质指标可 100% 达到国家纯净水(太空水)的标准。
- 本产品目前是国内最理想的反渗透的水处理设备。
- Core components of the device of reverse osmosis membrane using the world famous American Hydrion reverse osmosis membrane.
- It has a full range of membrane cleaning device.
- Simple structure, easy operation, high technical level.
- When the pump water conductivity is less than 300uS/CM, the water treated by this device can reach the national standard of pure water (space water) 100%.
- This product is currently the best water treatment for reverse osmosis.

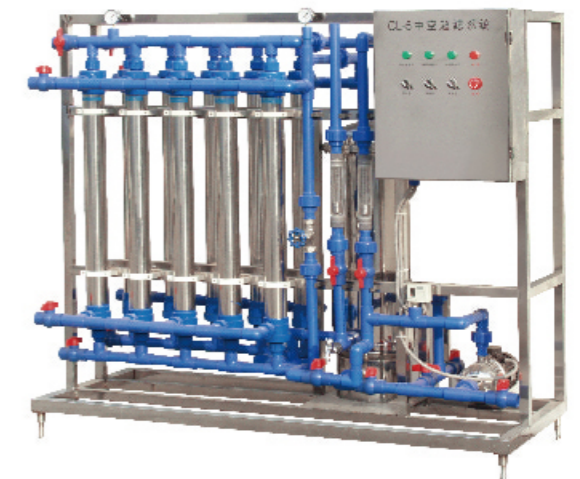


Hollow ultrafiltration filter

中空超滤过滤器

- 超滤膜元件的设计通量,不大于相应膜元件制造厂商 << 导则 >> 规定的最大通量值。
- 超滤装置的给水加药种类及加药点,化学清洗装置的选择是根据所选用超滤装置膜组件的特性确定的。
- 超滤装置进出水总管上设有接口,以便清洗时与清洗液进出管相连。
- 超滤装置产品水管设取样点,取样点的数量及位置能有效地诊断并确定系统的缺陷。
- 超滤膜组件安装在组合架上,组合架上配备全部管道及接头,还包括所有的支架、紧固件、夹具等其它附件。
- 超滤组合架的设计满足厂址的抗震烈度要求。
- 系统所配仪器、仪表的性能、配置点及数量等将满足本系统的安全、稳定、可靠运行之需要。

- The throughput of ultrafiltration membrane elements shall not exceed the maximum throughput as predetermined by relative manufacturer of membrane element in <Guideline>.
- The selection of water feeding, chemical feeding point and chemical cleaning device shall be determined by characteristics of the said ultrafiltration membrane elements.
- Arranged on the water inlet of ultrafiltration device, an interface is used to connect the outlet pipe of washing liquid when washing.
- Sampling points can effectively diagnose and identify the defects of system which are set on water pipe of ultrafiltration device.
- Mounted on the combined frame, Ultrafiltration membrane assembly is equipped with all pipes and connectors, including brackets, fasteners, clamps and other accessories.
- Ultrafiltration combined frame shall meet the requirements of the seismic intensity of the site.
- The safe, stable and reliable operation of the system shall be guaranteed by the relative apparatus with perfect performance, accurate collocation points and precise quantity.



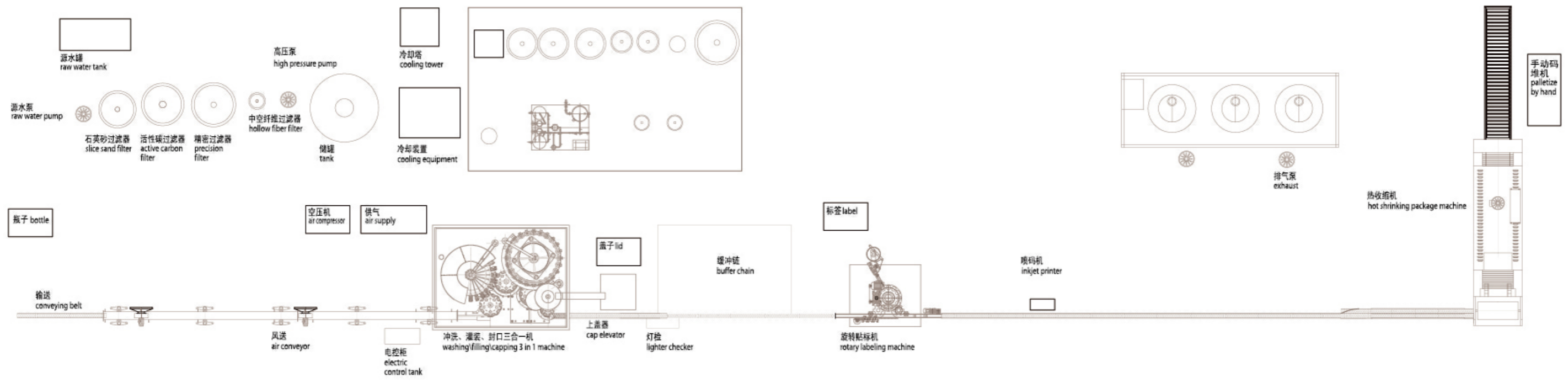
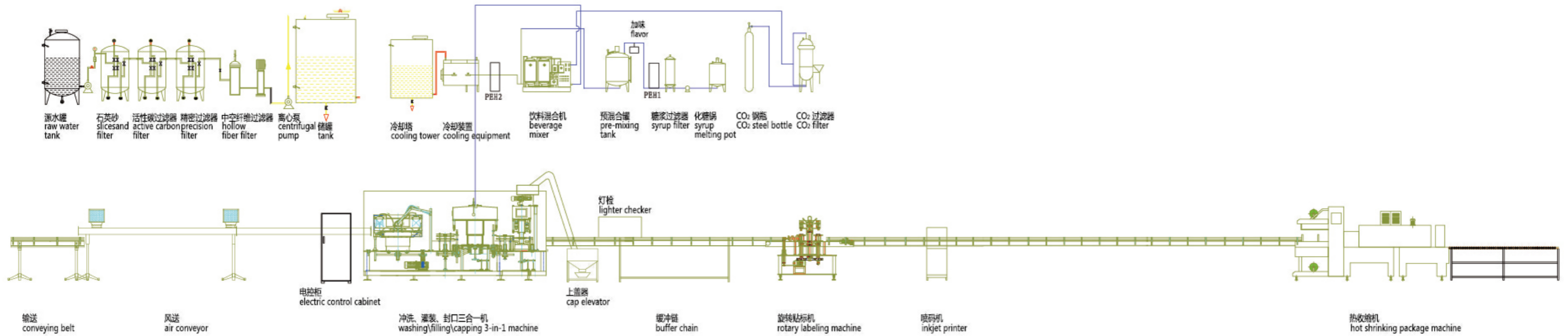
含气饮料系列

Carbonated Drink Series



含气饮料工艺流程图

The Flow Sheet of Carbonated Drink Production Line



PET Carbonated Drink Filling Machine

PET含气饮料灌装机



特点:

- ◎ 该机型主要用于含气饮料的灌装。
- ◎ 在一机上实现冲洗、灌装和封盖。
- ◎ 悬挂式卡瓶口输送瓶结构，更换瓶型更方便、快捷。
- ◎ 灌装方式采用了新型的等压灌装，灌装速度更快且稳定。
- ◎ 主机采用先进的 PLC 可编程自动控制技术。
- ◎ 关键的电器原件均采用德国西门子、日本三菱、法国施耐德、欧姆龙等知名产品。



Performance

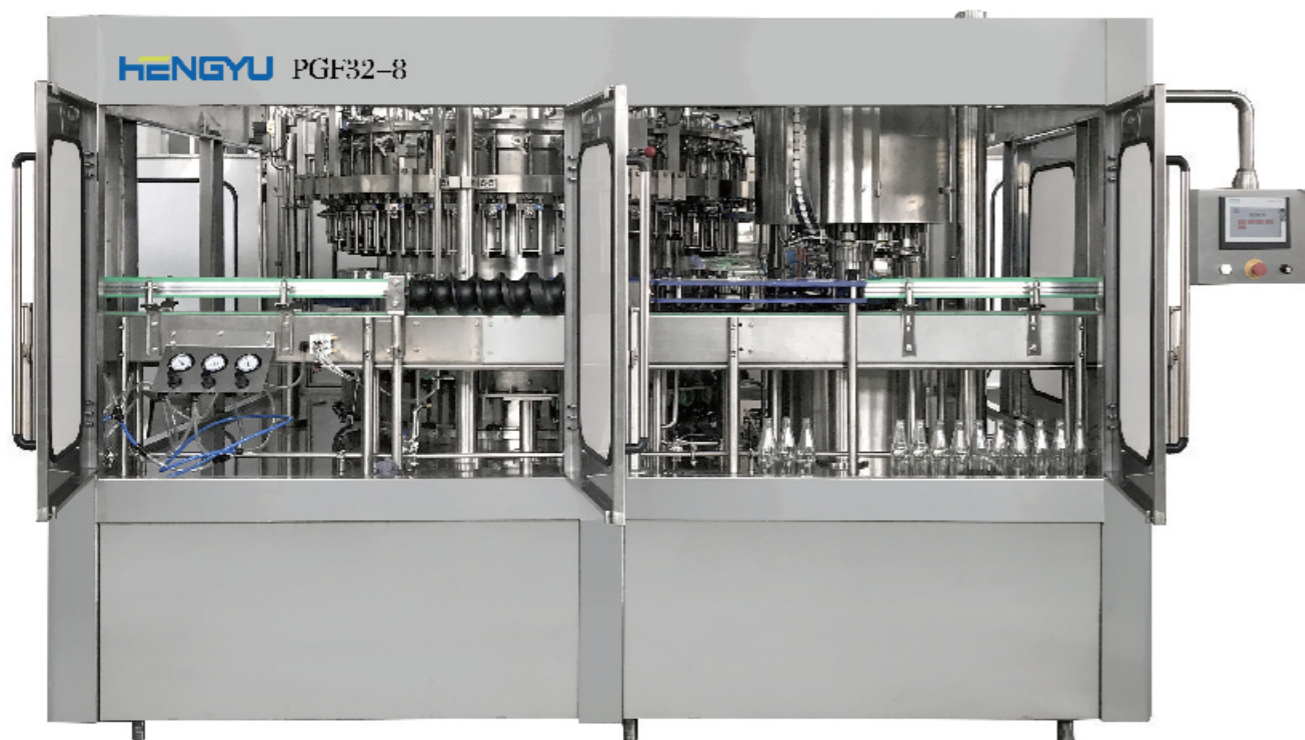
- ◎ This machine is mainly used to fill the carbonated drink.
- ◎ Washing, filling and capping are available in one machine.
- ◎ The structure of conveying is hanging type and clamping the bottleneck to easily change bottle type.
- ◎ The filling method adopts the isobaric filling so that the filling speed is faster and stable.
- ◎ Using the advanced PLC(Programmable Logic Controller) technology.
- ◎ The major electrical apparatus are all products of well-known brands, such as SIEMENS, MITSUBISHI, Schneider and OMRON.

主要技术参数 Main Technological Parameter

型号 Model	DCGF 14-12-5	DCGF 18-18-6	DCGF 24-24-8	DCGF 32-32-10	DCGF 40-40-10	DCGF 50-50-12	DCGF 60-60-15
产量 Capacity(B/H)	2000	5000	7000	9000	14000	18000	24000
冲洗头数 Rinsing Heads	14	18	24	32	40	50	60
灌装头数 Filling Heads	12	18	24	32	40	50	60
旋盖头数 Capping Heads	5	6	8	10	10	12	15
功率 Power(kw)	2.2	3.5	4.5	6	7.5	9.5	11.2
外形尺(L×W×H) Oversize(mm)	2300×1600×2500	2600×1920×2550	3100×2200×2800	3850×3000×2850	4850×3800×2750	5750×3550×2750	6500×5500×2750
重量 Weight(kg)	2800	3650	4800	6800	8650	10500	12800

Glass Bottle Beer Filling Machine

玻璃瓶啤酒灌装机



特点:

- 采用高精度的机械灌装阀，具有无瓶就不抽真空的特点。
- 开式齿轮结合齿轮箱传动，具有离合装置，变频调速设备扩展了速度调制范围。
- 具有自动润滑装置，润滑点可以定期润滑机器。效率高，噪音低，寿命长。
- 机器的部分配件可以进行调整来适应不同型号的瓶子。
- 电子探针控制瓶内的液位高度，使液位更精准。



Characteristic

- This machine adopts high precision mechanical filling valves, has features of no bottle, no vacuuming.
- Opening gear combined gear box transmission, with engaging and disengaging gear device, frequency conversion extends the speed modulation range.
- This machine has self oil lubrication device so that the lubrication points could be lubricated regularly in time. The machine is high efficiency, low noise and long life.
- The some parts of machine can be adjusted by different sizes bottle.
- The level is controlled by the electric probe to assure the precise the liquid level.

主要技术参数 Main Technological Parameter

型号 Model	PGF 12-6	PGF 18-6	PGF 24-6	PGF 32-8	PGF 40-10	PGF 50-12	PGF 60-15
灌装头数 Filling Heads	12	18	24	32	40	50	60
压盖头数 Capping heads	6	6	6	8	10	12	15
产量 Capacity(B/H)	2000	3500	5000	8000	12000	16000	20000
功率 Power(kw)	2.2	3.5	4.5	6	7.5	9.5	11.2
外形尺(L×W×H) Oversize(mm)	2400×1600 ×2500	2600×1920 ×2550	3100×2300 ×2800	3800×2500 ×2900	4600×2800 ×2900	5450×3300 ×2900	6500×4500 ×2900
重量 Weight(kg)	2500	3500	4500	5600	8500	9800	12800



Production line for sparkling wine/champagne

起泡酒、香槟酒生产线

特点:

- 实现自动进塞,自动打塞。
- 无瓶不打塞,无瓶不扎丝,无瓶不套帽缩帽。
- 外观美观,功能齐全,操作方便,维护方便,自动化程度高。
- 方便地更换各种类型的瓶子。
- 主机采用 PLC 可编程自动控制技术和气动元件,均从国外知名制造商进口。



Characteristic

- Achieve automatic processing plug,automatic corking.
- No bottle no plug,no bottle no ligating,no bottle no capsuling.
- Nice appearance,complete functions,easy to operate and maintain,high degree of automation.
- Change various type of bottles conveniently.
- The mainframe uses PLC programmable automatic control technology and pneumatic elements are all imported from well known manufacturers abroad.



Corking machine



Ligating machine



Capsuler machine

打塞机 Corking machine

主要由工作台、转位步进机构、打塞机构、传动机构、输送链道及护框等组成。
is made of operating table, turning stepping mechanism, corking mechanism, driving mechanism, transmission chain, support frame and etc.

扎丝机 Ligating machine

主要由工作台、分瓶进瓶机构、转位步进机构、送盖机构,扎丝机构、主传动机构、输送链道及护框等组成。
is made of operating table,bottle feeding mechanism, turning stepping mechanism, cap feeding mechanism, Ligating mechanism, main driving mechanism, transmission chain, supporting frame and etc.

套帽机 Capsuler machine

主要由工作台、分瓶进瓶机构、转位步进机构、升降机构、收缩机构、主传动机构、输送链道及护框等组成。
is made of operating table, bottle feeding mechanism, turning stepping mechanism, lifting mechanism, shrinking mechanism, main driving mechanism, transmission chain, supporting frame and etc.

主要技术参数 Main Technological Parameter

项目 Item	产量 Capacity(BPH)	工作头数 work head	样瓶尺寸 Bottle size	功率 Motor power(KW)	尺寸 Dimensions(MM)	重量 Weight(KG)
打塞机 Corking machine	1500-1800	1	φ65-100mm/H170-330mm/V330-750ml	2.2	800×900×2500	1500
扎丝机 Ligating machine	1500-1800	1		1.5	1200×1750×2500	1800
缩帽机 Capsuler	1500-1800	2		1.1	1000×1450×2000	1500

The Production Line of Pop-top Cans

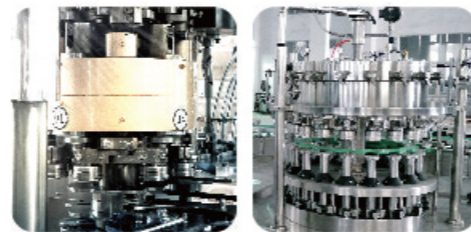
易拉罐含汽饮料生产线



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特点:

- 该生产线用于两片罐、铝罐、PET 塑料罐等易拉罐的冲洗、灌装、封盖。
- 它具有整垛的空罐自动提升、自动冲洗、灌装封盖的功能。
- 生产量大，是生产灌装含气饮料的最佳设备。



Characteristic

- This production line is mainly used in washing, filling and capping for pop cans made of two cans, aluminium alloy or PET plastic cans.
- It has automatically raised battlements cans, auto turn over, automatic washing filling and capping functions.
- The production capacity is high. It is the best equipment for the production of carbonated beverage for cans.

主要技术参数 Main Technological Parameter

型号 Model	12-1	18-4	36-6
产量 Capacity(B/H)	2000罐/h	9000罐/h	18000罐/h
适用瓶(罐)型 Suitable bottle (pot) type	φ50-80 H80-150		
功率 Power	2.2	5	7.5
尺寸 Dimensions(mm)	2500×1650×1900	2900×1850×1900	3200×2300×1900
重量 Weight	2000	3500	5500

QHS Series Drink Mixer

QHS系列饮料混合机

- QHS 系列饮料混合机是提高水、糖浆和二氧化碳的比例精确而精心设计制作。
- 采用国外先进技术 - 静态混合器来减薄水层，增加碳化时间，确保饮料混合效果。
- 采用二氧化碳回流脱氧，既节省二氧化碳，又达到脱氧的目的。
- 优质的水泵和西门子电器等组成完善的自动控制系统。
- 具有动作协调、外观美观、清洗便利、自动化程度高等优点。
- 适用于多种类型饮料的混合，如汽水、果汁、可乐等软硬饮料。

- Be designed and made for improving the proportion of water, syrup and carbon dioxide.
- It adopts foreign advanced technology-static mixer to lighten water layer, increase carbonizing time, ensure mixing efficiency.
- Adopting carbon dioxide backflow deoxidization, which can save carbon dioxide and deoxidize.
- High quality water pump and SEIMENS electrical equipment and other parts make up a complete automatic control system.
- It has coordinating action, beautiful appearance, convenient washing, high automatic level and other advantages.
- It is suitable for mixing all kinds of drinks, such as soda water, fruit juice, cola and other soft and hard drinks.



主要技术参数 Main Technological Parameter

型号 Model	QHS-2500	QHS-3500	QHS-5500	QHS-10000
生产能力kg/h Production capacity	2000-2500	3000-3500	5000-5500	10000
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
二氧化碳含量 Content of CO2	2.5-3.5	2.5-3.5	2.5-3.5	3.5-4
混合温度℃ Mixing temperature	< 4	< 4	< 4	< 4
耗电量kw Power consumption	2.5	3	5	8
外形尺寸mm Overall size	1500x1000x1900	1700x1000x2200	2000x1500x3000	3000x2000x3000

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Cooling-water Machine

冷水机

- 滚动密封式压缩机：国际品牌，免费维护。
- 电器元件和制冷元件均采用世界知名品牌。
- 采用不锈钢水槽和高扬程泵的工业耐用设计。
- 完善的故障保护：高低压保护，空气消毒保护，油位保护，水流保护，反相和缺相保护，冷却水防冻保护，冷却水过热保护。

- Scroll hermetic compressor :international brand with freemaintenance.
- Electrical elements and refrigeration components are used from world-renowned brand.
- Industrial and durable design, with stainless steel water tank and high lift pumps.
- Perfect breakdown protection :high and low pressure protection ,air discharge protection ,oil level protection ,water flow protection ,reverse and lack phase protection ,chilled water anti freezing protection, cooling water overheat protection.



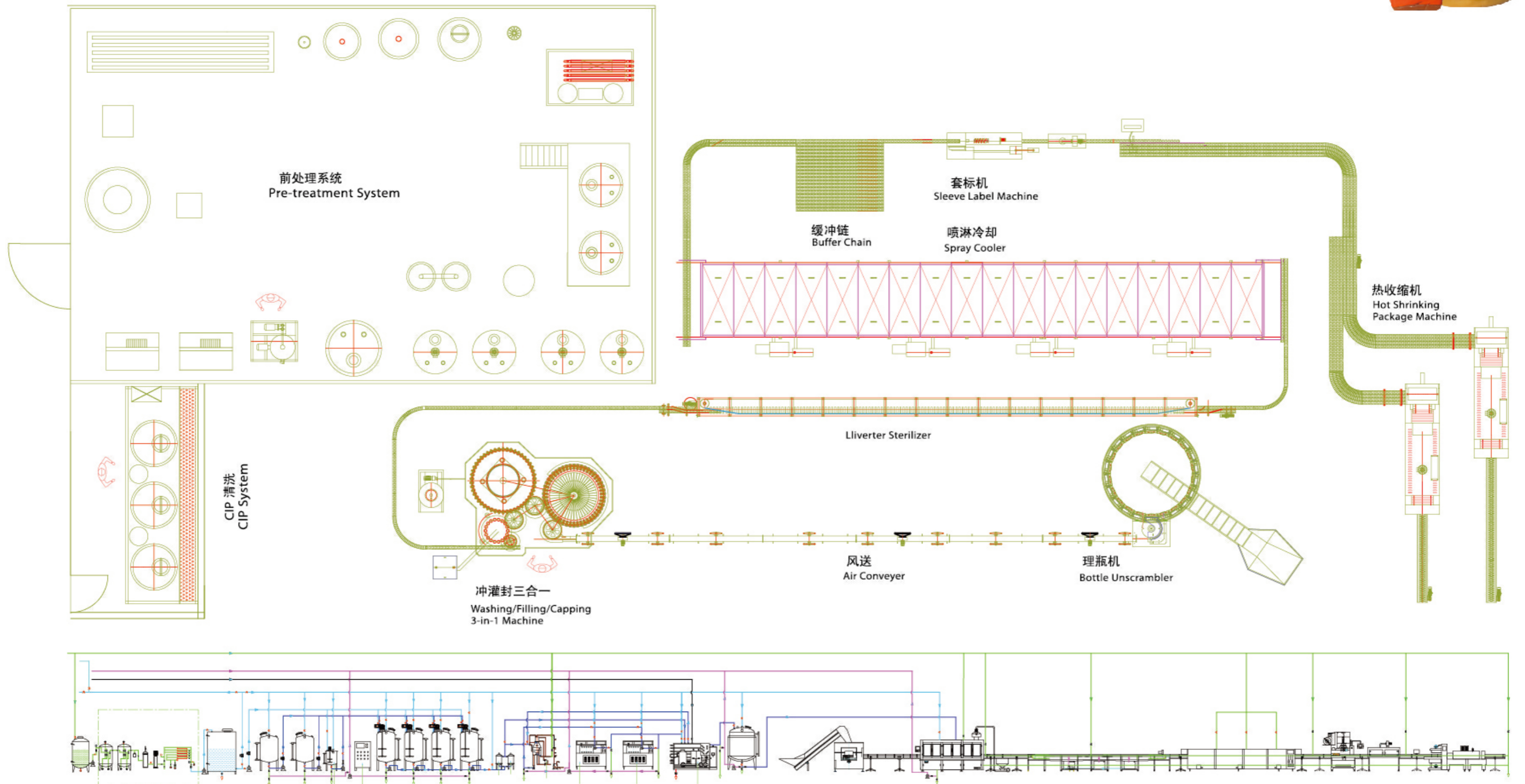
果汁、茶饮系列

Juice/Tea Drink Series



► 热灌装工艺流程图

Technological Flow Sheet of The Hot Filling Line



Juice/Tea Hot Filling Machine

果汁、茶饮热灌装机



用途:

三合一果汁热灌装机用于 PET 茶饮、果汁饮料等产品的热灌装生产。该机集冲洗、罐装、封口为一体,设计科学合理,操作简单,外形美观,自动化程度高,是热灌装饮品的首选生产设备。

Application

This juice filling 3-in-1 machine is washing,filling and capping 3 in 1,used for PET fruit juice,tea drinks and other heating filling production lines.It designed by advanced technology that scientific reasonable.It is nice appearance,complete functions,easy to operate and maintenance,high automatic.It is the best choice for heating filling products manufacturers.

特点:

- 本机采用先进的人机界面自动控制技术和变频调速系统。
- 采用卡瓶颈悬挂工艺设计,采用卡瓶升降,能满足95度以下热灌装技术的需求。
- 配有恒温循环系统,温度自控,自动回流。
- 与物料接触的零件均采用 SUS304 不锈钢材料,电器元件和气动元件等均采用国际知名厂家产品。

Characteristic

- This machine used advanced MMI automatic control system and variable-frequency speed control system(VWF).
- Designed by the structure of suspension type getting stuck the bottleneck and conveying,filling valve lift technology to meet the requirement of heat filling within 95℃.
- There is constant temperature circulation system,self temperature control and liquid reflux.
- The machine parts of direct control with liquid like inlet valve used stainless steel SUS304 material.The main motor,reducer,bearings,sealing elements,electrical apparatus elements and pneumatic elements are all imported from well known manufacturers of the world.

主要技术参数 Main Technological Parameter

型号 Model	RCGF 14-12-5	RCGF 18-18-6	RCGF 24-24-6	RCGF 32-32-8	RCGF 40-40-10	RCGF 50-50-12	RCGF 60-60-15	RCGF 72-72-18
冲洗头数 Rinsing Heads	14	18	24	32	40	50	60	72
灌装头数 Filling Heads	12	18	24	32	40	50	60	72
旋盖头数 Capping Heads	5	6	8	10	10	12	15	18
产量 Capacity(B/H)	3000	5000	8000	12000	15000	18000	25000	28000
功率 Power(kw)	2.2	3.5	4.5	6	7.5	9.5	11.2	15
外形尺(LxWxH) Oversize(mm)	2300x1600 x2500	2600x1920 x2550	3100x2100 x2800	3850x3000 x2850	4850x3800 x2750	5750x3550 x2750	6500x5500 x2750	6800x4800 x2850
重量 Weight(kg)	2600	3650	4800	6800	8500	10000	12000	15000

DP Series Bottle Inverse Sterilizer Machine

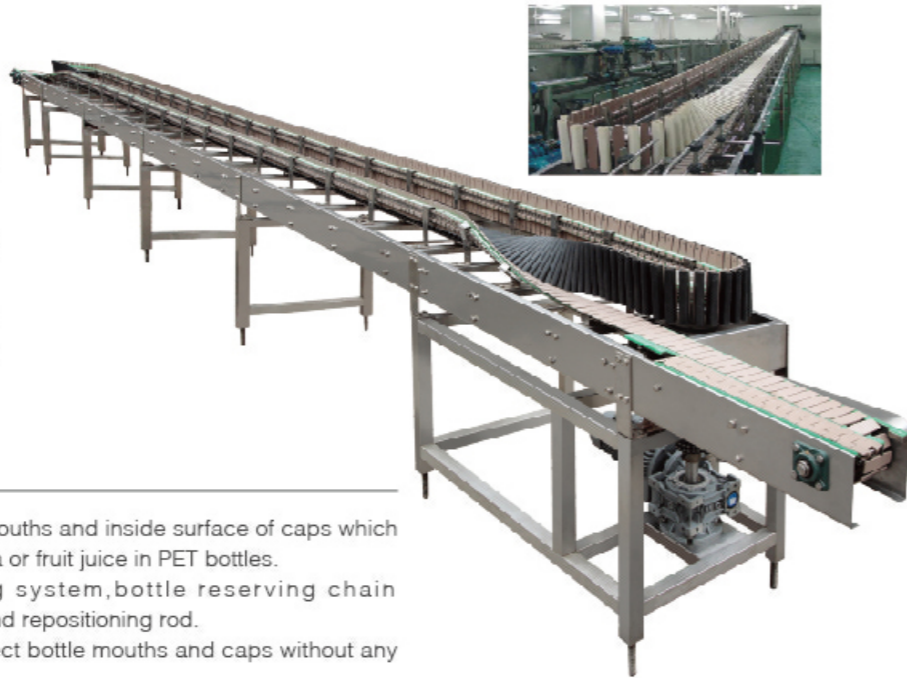
DP系列倒瓶杀菌机

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、机架、瓶子翻转导杆等构成。实现自动翻转杀菌和复位。
- 在杀菌过程中，只需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，达到节能的目的。

Characteristic

- It is mainly used in sterilizing PET bottle mouths and inside surface of caps which have not disinfected after filling thermal tea or fruit juice in PET bottles.
- It mainly consists chief conveying system, bottle reserving chain system, support, bottle reserving guiding and repositioning rod.
- It uses its inner thermal medium to disinfect bottle mouths and caps without any other heat source to save energy.



Bottle Cooler & Warmer

喷淋冷却/温瓶机



- 我公司生产的喷淋杀菌机是在吸取德国、意大利、台湾等国家和地区的先进技术基础上，自行研究设计制造。
- 采用循环热水喷淋杀菌，温水循环预冷和冷却水喷淋冷却三段处理，完成对产品的杀菌和冷却。
- 杀菌温度和杀菌时间可根据客户的要求设定。
- Based on advanced technologies from Germany, Italy and Taiwan, we developed this new type of bottle cooling/warming machine.
- Its working process can be divided into 3 stages, circulating hot water spraying, warm water pre-cooling and cold water cooling.
- The temperature and time can be setting according to the requirements of user.

Plate UHT sterilizer

UHT板式高温灭菌机

用途:

- 板式超高温瞬时灭菌机用于牛奶、果汁、茶饮料、豆奶、乳饮料等产品的连续杀灭菌。
- 该系统采用超高温处理方法。
- 其杀菌温度为 135~140℃，保温时间仅 4~5 秒。
- 整个系统控制采用 PLC 及触摸屏界面操作。

Application

- Plate type UHT Sterilizer is used for the sterilization of milk, juice, tea drink, soy milk, etc.
- The UHT system adopts ultra high temperature treatment.
- The sterilization temperature is 135~140℃ for 4~5seconds.
- The system is controlled by PLC and operated by touch screen.



Pipe UHT sterilizer

UHT管式高温灭菌机

Application

- Tube type UHT Sterilizer is widely used in the high temperature treatment of liquid food.
- The viscosity scope is wide, and it is also suitable for fiber and granual liquids.
- The sterilizing temperature is 90-140℃; the heating treatment is well distributed with 90% heat recycling rate.
- There is no connecting spot and hygiene dead corner inside pipes.
- The machine is operated by touch screen with advantages of long continuous working time.

用途:

- 广泛用于液态食品“无菌”和“非无菌”热处理的全自动系统。
- 产品的粘度范围很大，并能适应纤维和颗粒。
- 灭菌温度为 90~140℃，产品热处理过程均匀，热回收率高达 90%。
- 管内无任何接触点，无卫生死角。
- 触摸液晶屏操作，持续运行时间长。



Linear Filling Machine

直线式灌装机

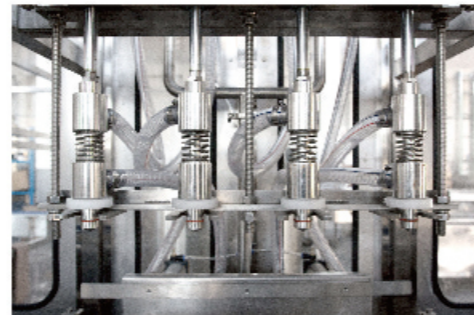


特点:

- ◎ 本机采用 PLC 微电脑可编程控制,集光、机、电、传感、气动执行于一体。
- ◎ 注射缸行程采用伺服电机驱动,行程定位准确,并设定了快慢速灌装。
- ◎ 当灌装量接近瓶口时,速度压力减小,以防物料因冲击力大而飞溅溢出。
- ◎ 该机自动化程度高,调节方便,当改变规格或修正计量时,只需在显示屏上调整即可满足所需精确计量。
- ◎ 可适用于植物油、果酱、蜂蜜、糖浆、制剂、悬浮剂、机油和日化行业各种粘稠物料的分装。

Characteristic

- ◎ The machine uses PLC microcomputer programmable control, set light, machine, electricity, sensing, pneumatic execution in one.
- ◎ Injection cylinder stroke with servo motor drive, stroke positioning accuracy, and set the speed of filling.
- ◎ When the filling volume close to the bottle, the speed pressure decreases to prevent the material due to large and splash overflow.
- ◎ The machine is highly automated and easy to adjust. When changing the specifications or correcting the measurement, it is only necessary to adjust on the display to meet the required precise measurement.
- ◎ It is suitable for the packing of various viscous materials in vegetable oil, jam, honey, syrup, preparation, suspending agent, oil and daily chemical industry.



Beer Washing Filling and Corking Machine

啤酒冲洗灌装打塞一体机



特点:

- ◎ 三合一啤酒冲洗灌装打塞机用于玻璃瓶的灌装及冲洗封口。
- ◎ 实现自动进塞,自动打塞。
- ◎ 使用传感器作为速度调节器,因此用户可以很容易调节机器来适应不同的电力需求。
- ◎ 采用相等压力灌装原理和当前弹簧阀门以保证饮料的质量。
- ◎ 所有的部分,例如,进料阀,直接接触介质是由不锈钢 304 或 316L 材料,符合食品卫生的要求。

Characteristic

- ◎ This machine is used for filling, washing and corking of beer drinks in glass bottles.
- ◎ Achieve automatic processing plug, automatic corking.
- ◎ It used sensor as speed regulator so that clients can easily adjust machine to meet different power demand.
- ◎ It adopts equivalent pressure filling principle and spring valve to control the quality of beverage.
- ◎ All portions, such as feeding valve, which contact with material directly are made of 304 stainless steel or 316L material to meet the demand of food hygiene.



Wine washing filling and corking machine

葡萄酒冲洗灌装打塞一体机

Red Wine washing filling and corking machine

- ◎ 功能全：专用于葡萄酒、黄酒、酱油、醋的定液位灌装及打塞。
- ◎ 冲洗方式：插入式冲洗。
- ◎ 灌装精准：定液位灌装，液面平均误差 ±1.5mm。
- ◎ 密封严密：采用木塞挤压后压入瓶原理，封口严密。
- ◎ Full function: It is specially used for filling and corking of wine, rice wine, soy sauce and vinegar.
- ◎ Washing method: Insert wash.
- ◎ Accurate filling: Fixed level filling, average error of liquid level is ±1.5mm.
- ◎ Tight sealing: Pressing cork into bottle with tight seal.



Unscrambler 理瓶机

LP 系列每小时 8000-36000 瓶理瓶机，是高速灌装机必备之配套产品，用机械动作来完成塑料瓶从凌乱上瓶，有序排瓶至灌装机风送道，可以买足灌装机全自动生产需要。

8,000-36,000BPH Unscrambler is the indispensable outfit for high-speed filler. Bottles are fed into air conveyor in order with mechanical action, to satisfy the automatic operation of filler.



Stacker 卸垛机

卸垛机主要适用于对整垛的玻璃瓶空瓶的自动卸垛，它将堆叠于栈板上的空瓶，由下而上一层层的提升并分层推至输送链道上，取代人工放瓶，可节省大量人工，提高生产能力。

The unpiler machine is mainly used for automatic depalletizing of glass bottles which are stacked on the palletizing board. It can lift the bottles from bottom to top and push them to the conveyor chain layer by layer. Instead of placing the bottles manually, it can save a lot of manpower and improve production capacity.



Injection Machine

注塑机



- ◎ 大直径螺杆设计，以及大长径比。
- ◎ 塑化耐力优。
- ◎ 四段以上进料筒 DID 温度精确控制。
- ◎ 为满足 PET 原料除湿要求特殊选配的除湿干燥机。
- ◎ 变量泵与定量泵均适用。
- ◎ Big diameter screw design and L/D ratio.
- ◎ High plasticization capacity.
- ◎ Four or above stages precise temperature PID control for barrel.
- ◎ Dehumidifying dryer selected for PET resin's special demands of removing moisture.
- ◎ Suitable for both varied pump and standard pump.

主要技术参数 Main Technological Parameter

项目Item	UNIT	TIE-1600A			TIE-2400A			TIE-4800A			TIE-6500A			
塑化能力Plasticizing capacity	g/s	20.1	26.5	34.2	26.4	32.5	40	60.4	71.4	83.7	60	75	85	100
点击功率Motor power	KW	15			22			45			55			
最高压力Pump pressure	Mpa	16			16			16			16			
加热功率Heating power	KW	13.6			18.5			28			37.15			
加热区段Heating zone		4			5			5			6			
外形Overall size	m	5.3*1.35*1.9			6.2*1.6*2.1			7.5*2.1*2.45			9.3*2.3*2.7			
净重Net weight	t	5.6			8.0			20			32			
油箱容积Oil tank capacity	L	420			440			850			1200			

Semi-automatic Blow Molding Machine (0.1-5L)

半自动吹瓶机

主要技术参数 Main Technological Parameter



型号	Model	GD-880	GD-880-II	GD-3L
瓶子材质	Bottle material	PET	PET	PET
瓶子容积	Bottle volume(L)	0.1-2L	0.1-1.5L	2-5L
产量	Capacity(pcs/h)	800-100	1400-1800	300-650
高度	Height (mm)	<300	<280	<350
瓶胚内径	Preform inner diameter (mm)	> φ12	> φ12	> φ16
最大模具直径	Max. Mold diameter (mm)	350*380	350*380	400*460
最大模具厚度	Max. Mold thickness (mm)	210	210	260
窗体顶端	Clamping force(kn)	45	45	65
锁模力	Mold opening stroke(mm)	160	160	220
开模行程	Main machine (mm)	1600*620*1610	1600*600*1610	1750*670*1860
主机重量	Main machine weight (KG)	500	500	600
加热器尺寸	Heater (mm)	1870*630*1450	1870*630*1450	1870*630*1450
加热器重量	Heater weight(kg)	250	250	250
功率	Power(kw)	17.5	24.8	17.5



Semi-automatic Blow Molding Machine (5-25L)

半自动吹瓶机

主要技术参数 Main Technological Parameter



型号	Model	GD-B5L	GD-B20L
瓶子材质	Bottle material	PET	PET
瓶子容积	Bottle volume(L)	5-10L	10-25L(3-5Gallon)
产量	Capacity(pcs/h)	250-400	60-180
高度	Height (mm)	<390	<500
瓶胚内径	Preform inner diameter (mm)	> φ16	> φ16
最大模具直径	Max. Mold diameter (mm)	470*500	420*500
最大模具厚度	Max. Mold thickness (mm)	370	400
窗体顶端	Clamping force(kn)	100	330
锁模力	Mold opening stroke(mm)	350	318
开模行程	Main machine (mm)	1930*720*1830	2180*770*1980
主机重量	Main machine weight (KG)	800	1000
加热器尺寸	Heater (mm)	1870*630*1450	2370*680*1650
加热器重量	Heater weight(kg)	250	380
功率	Power(kw)	17.5	40



Automatic Blowing Machine

全自动吹瓶机



主要技术参数 Main Technological Parameter

COMPONENT	ITEM	DATA			
Container condition	Cav.No	4	6	8	10
	Max. Volume	750mL	750mL	750mL	750mL
	Max. container diameter	φ50mm-φ70mm	φ50mm-φ70mm	φ50mm-φ70mm	φ50mm-φ70mm
	Neck Diameter Range	φ12mm - φ40mm	φ30mm- φ40mm	φ30mm- φ40mm	φ30mm- φ40mm
	Max. preform height	<150mm	<140mm	<140mm	<140mm
	Output (B/H)	3800-4000	5500-6000	7300-8000	12000-14000
Electrical system	Voltage	220/380V	220/380V	220/380V	220/380V
	Total power	50kw	65kw	75kw	70kw
Weight	Total	4.5T	5.5T	7T	7T

Sleeve Labeling Machine

套标机

特点:

- 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, 可用于不同方向, 不同高度的生产线上。
- 微电脑自动控制, 自动检测, 自动定位。
- 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, 更换物料简便。独特的刀盘设计, 使桶装薄膜卷切断更精准。



Characteristic

- Covering the circle label on the pet bottle and then hot shrinking to fix on the position which bottle body designated.
- The machine's structure is compact and suitable for the production line of different direction and different height.
- It is controlled by micro-computer to realize automatic detection and positioning.
- 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 special cutter head designing make the film-rolling cut more exactly.

Sticker Label Machine

贴标机

- 本机适用于制药、食品、饮料、日化等的各种方面、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 applies to single side, double and facade labeling of all kinds of quadrate & flat bottles in pharmacy, food beverage, daily chemical industry etc.
- The machine adopts PLC process control, photo-electricity bottle checking and label delivery, it composes 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 high precise density stell star gear, including automatic suited machinery safety device.



Linear Shrink-wrapping Packing Machine

全自动直线式收缩膜包装机



机器特点

- 整体组合设计, 可移动防护门, 组装及维护方便。
- 采用伺服电机传动, 同步定位精确。
- 整体运动式机械设计, 更换产品节省时间。
- 可移动操作盘, 采用人机接口操作, 显示各种运行状况。
- 独特的薄膜放卷和剪切装置, 专利设计的薄膜恒张力输送, 可简单方便地调节薄膜的长度, 具有独特的彩膜定位装置, 在包装底部搭接, 产品包装展示效果好。
- 先进的电力式隧道收缩炉, 具有完美有效的热收缩效果。

Machine Characteristics

- Self-supporting frame with sliding doors which makes machine control and maintenance easier.
- Driven by servo motor, synchronous and accurate position-setting.
- The compact interlocking designing for reducing the product change-over time.
- The control panel consists in a free-standing lectern, on which there is a PC with "touch screen". Color graphic alarm signals showing the machine problems and faults.
- Special film reel device and cutter device, innovative film tension transferring and buffer unit, easy adjusting film length, special color film positioning device. The film is stick at the bottom of packaged product in order to get a fine looking.
- Advanced electric heating tunnel with both excellent and effective shrinking result.

Carton Opening/Packing/Sealing System

纸箱开箱/装箱/封箱包装系统



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产品简介

本机采用国际先进技术,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。微电脑自动控制,自动检测、自动定位。

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,更换物料更简便。独特的刀盘设计,使筒状薄膜卷切断更精准。

Introduction of Product

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. It is controlled by micro-computer,automatic detection and position.

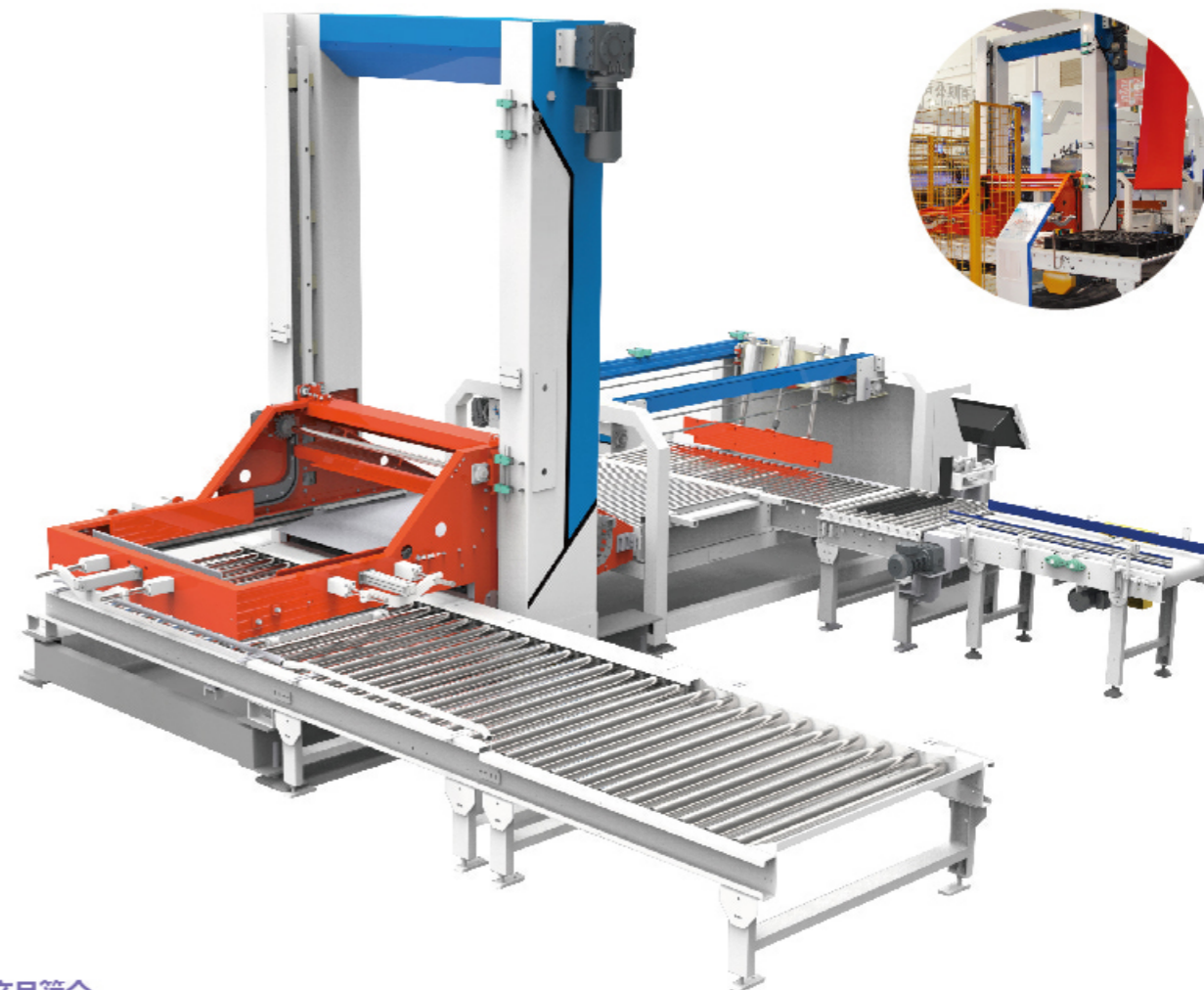
This machine' s structure is compact,and suitable for the production line of different direction and different height.

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 special cutter head designing make the film-rolling cut more exactly.



Palletizer

码垛机



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产品简介

码垛机适用于纸箱、塑箱、膜包以及桶类等多种类型包装件的堆叠,设备主机分为差速皮带、转向机构、排箱区、码箱区、主体升降机构、出垛滚筒等部分,并可选用层隔板装置以增加垛层的稳定性,各种工作形式为不同的码垛而设计,生产速度可达 24000-72000BPH。

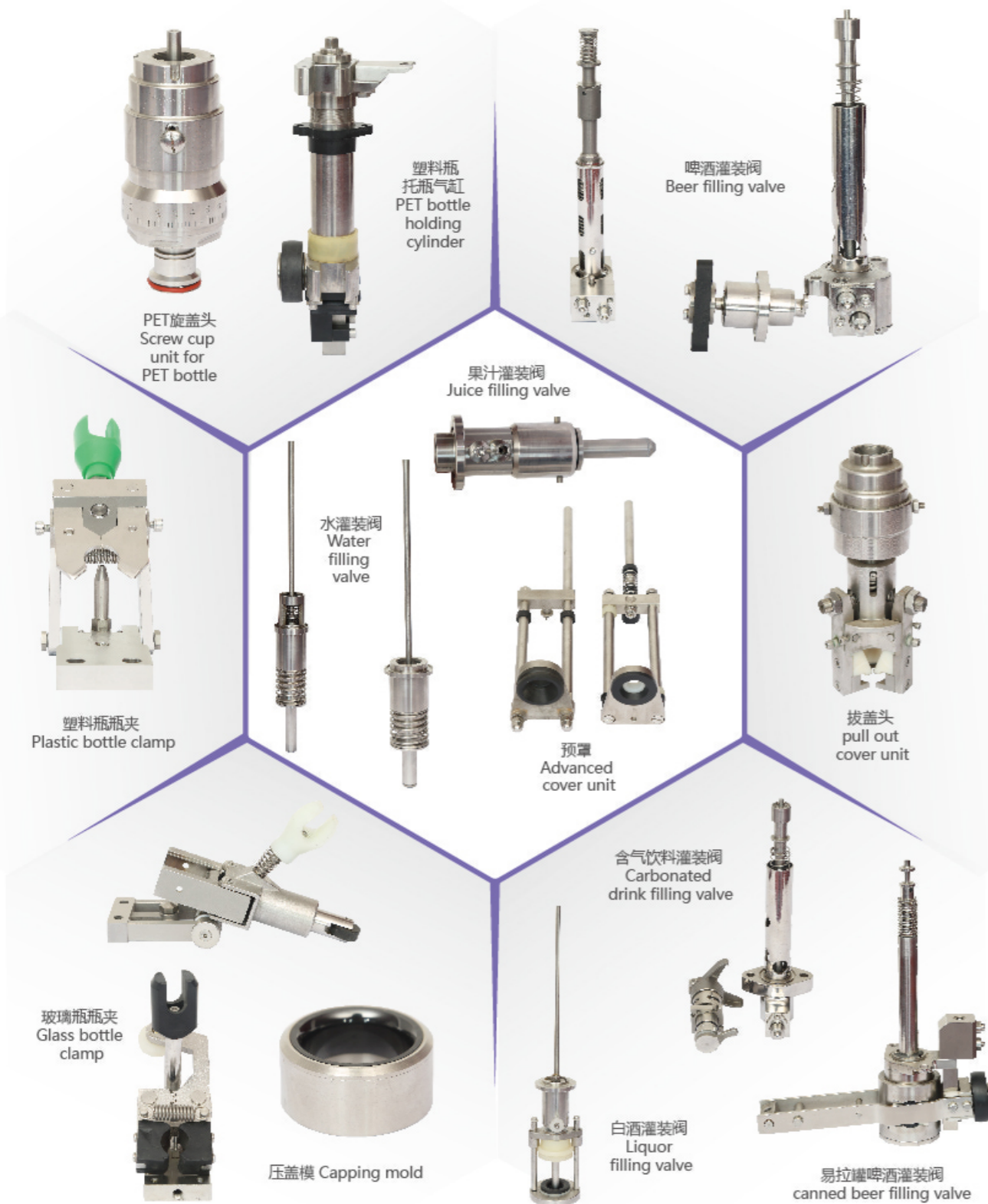
Introduction of Product

Palletizer machine is suitable for stacking all kinds of cartons , plastic cases, shrink packs, barrels and other packages. It is composed of speed up belt, steering mechanism, case arranging section, cases palletizing section, main body lifting mechanism, pallet exit roller and other mechanisms. The layer partition device is used to improve stability.



Spare Parts

零部件



Sales network

销售网络



公司产品不仅畅销国内，并且出口**俄罗斯、南非、美国、巴西、英国、马来西亚、澳大利亚、新加坡、缅甸、斯里兰卡**等几十个国家。创造了大量的优良业绩，深受广大用户好评，奠定了公司在行业里的牢固地位。

The company's products not only sell well in China, but also export to dozens of countries such as **Russia, South Africa, America, Brazil, Britain, Malaysia, Australia, Singapore, Burma and Sri Lanka**. Created a large number of excellent performance, well received by the vast number of users, laid the firm's firm position in the industry.