

专业专注为液态(饮料)工厂量身定制  
EPC交钥匙工程与总集成承包服务

Specializing in EPC turnkey engineering and general integration  
contracting services tailored for liquid (beverage) plants



www.grandeemachine.com



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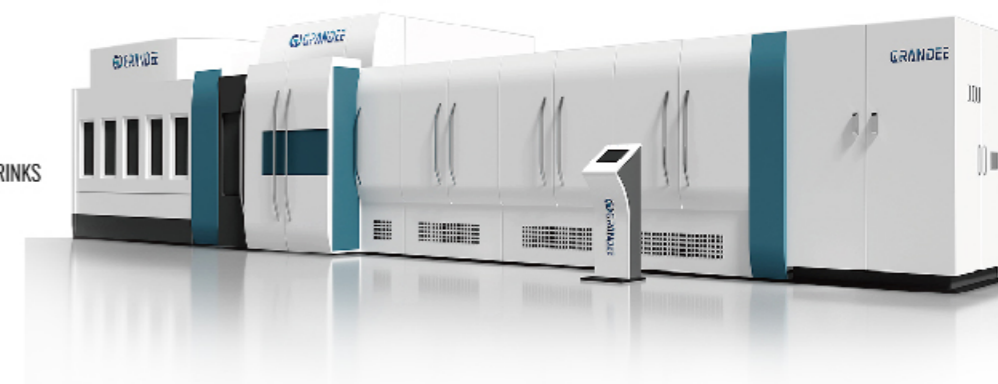
Specializing in EPC turnkey engineering and general  
integration contracting services tailored  
for liquid (beverage) plants

Processing Design &  
Turn-key Project  
工艺设计与整线工程



### 应用领域 Application Fields

- 饮用水 DRINKING WATER
- 果汁/茶/能量饮料 JUICE TEA ENERGY DRINKS
- 碳酸饮料 CSD
- 酒类 BEER WINE ALCOHOL
- 调味品 LIQUID CONDIMENT
- 食用油 EDIBLE OIL
- 日化 DAILY CHEMICALS



吹灌旋一体机 BLOWING-FILLING-CAPPING COMBIBLOCK

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格莱德包装机械(苏州)有限公司

Grandee Packaging Machinery (Suzhou) Co.,Ltd

张家港格莱德机械有限公司

Zhangjiagang Grandee Machinery Co.,Ltd

# 企业简介

## Company Profile

### 专注为液态(饮料)工厂提供有竞争力的全面解决方案和服务

Focus on Providing Competitive Comprehensive Solutions and Services for Liquid (Beverage) Plants

<p><b>15<sup>+</sup> y</b></p> <p>行业耕耘经验 Industry experience</p>	<p><b>20000<sup>+</sup> m<sup>2</sup></b></p> <p>工业园面积 Modern workshop</p>	<p><b>50<sup>+</sup></b></p> <p>专利荣誉 Patent honor</p>	<p><b>70<sup>+</sup></b></p> <p>销售国家和地区 Sales countries and regions</p>
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格莱德机械 GRANDEE MACHINE 公司位于中国江苏张家港市,专业专注液态包装(乳品、饮料、调味品、酒类、日化)等包装。公司有标准化生产厂房 20000 余平方米,集研发、设计、制造、工程、售后、技术服务为一体的全方位包装服务供应商。为客户提供液态包装产存一体化及成套 EPC 解决方案。

作为一家集技术研发、销售、机械制造、电气工程安装及服务为一体的专业团队设备供应商。从产品工艺设计、瓶型开发、ERP 系统生产管理到整厂布局无纸化 3D 设计的项目方案总包交钥匙工程。

技术服务团队均拥有多名行业资深工程师,为客户提供水处理、饮料前调配、吹灌旋一体机、吹瓶机、灌装机、无菌灌装、旋盖、二次包装(输送线、膜包、纸箱)、机器人码垛、智能仓储等成套智能装备及全面解决方案,并提供操作人员的运维培训。

我们共同努力创造一个重视所有员工的安全、积极的心理健康和归属感的公司,同时履行各种社会责任。

GRANDEE MACHINE is located in Zhangjiagang City, Jiangsu Province, China, specializing in liquid packaging (dairy, beverage, condiment, wine, daily chemical) and other packaging. The company has more than 20,000 square meters of standardized production plants, research and development, design, manufacturing, engineering, after-sales, technical services as one of the full range of packaging service providers. To provide customers with liquid packaging production and storage integration and complete sets of EPC solutions.

As a set of technology research and development, sales, machinery manufacturing, electrical engineering installation and service as one of the professional team equipment supplier. From product process design, bottle development, ERP system production management to paperless 3D design of the entire plant layout project program turnkey project.

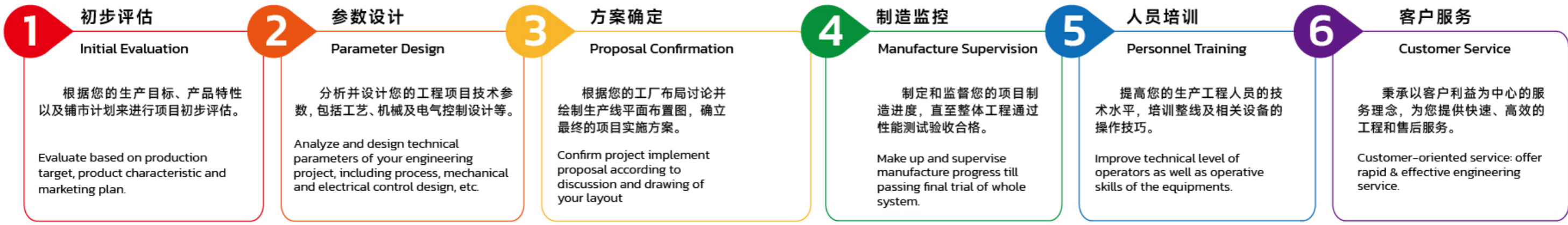
The technical service team has a number of senior engineers in the industry, providing customers with water treatment, beverage preparation, blowing and spinning machine, blowing machine, filling machine, aseptic filling, cap screw, secondary packaging (conveying line, film bag, carton), robot palletizing, intelligent storage and other complete sets of intelligent equipment and comprehensive solutions, and providing operators with operation and maintenance training.

We strive together to create a company that values the safety, positive mental health and sense of belonging of all employees, while fulfilling various social responsibilities.



# 整厂设计方案

## Plant Design Project



## 合作伙伴

格莱德为国内外70多个国家及地区的液态包装及(饮料)工厂, 提供了优质的设备和完善技术支持服务。

## Partners

GRANDEE provides high quality equipment and perfect technical support services for liquid packaging and (beverage) factories in more than 70 countries and regions at home and abroad.



格莱德——我们在液体包装机械领域积累了几十年的行业经验, 掌握了该领域全球领先的专业技术, 我们的技术服务团队随时恭候客户的需求信息, 可以为您提供安全、节能、高效的设备和最全面优质的个性化服务与支持!

GRANDEE- We have accumulated decades of industry experience in the field of liquid packaging machinery, mastered the world's leading professional technology in this field, our technical service team is always waiting for customer needs information, can provide you with safe, energy-saving, efficient equipment and the most comprehensive quality of personalized service and support!

# 技术应用

## Technology Application

### 1 整厂工程

通过合理的布局和设计,使工厂能够高效生产,并提供良好的工作环境。

#### Turnkey Project

Through reasonable layout and design, the factory can produce efficiently and provide a good working environment.

### 2 效率提升

不断学习提升自己的技能,积极探索工作方法和技巧,不断改进工作方式,提高工作效率。

#### Efficiency Improvement

Actively explore working methods and skills, constantly improve working methods, improve work efficiency.

### 3 系统培训

系统培训对于提高员工技能、增强组织竞争力具有重要意义。

#### System Training

Systematic training plays an important role in improving employee skills and enhancing organizational competitiveness.

### 4 售后支持

售后支持的核心在于及时、有效地解决客户在购买产品或服务后遇到的问题。

#### After-Sales Support

The core of after-sales support is to timely and effectively solve the problems encountered by customers after purchasing products or services.

## 01 BEVERAGE. 饮料



水、果汁、茶、含气饮料、功能饮料等。

Water, juice, tea, carbonated drinks, functional drinks, etc.

## 02 DAIRY. 乳品



液态奶、乳饮料、咖啡饮料等。

Liquid milk, milk drinks, coffee drinks, etc.

## 03 ALCOHOL. 酒类



啤酒、葡萄酒、伏特加、威士忌、汽泡酒、白酒等。

Beer, wine, vodka, whiskey, sparkling wine, liquor, etc.

## 04 CONDIMENT. 调味品



食用油、醋、酱油、番茄酱等。

Edible oil, vinegar, soy sauce, tomato paste, etc.

## 05 DAILY CHEMICALS. 日化



洗涤剂、洗发液、洗衣液、机油等。

Detergent, shampoo, laundry detergent, engine oil, etc.



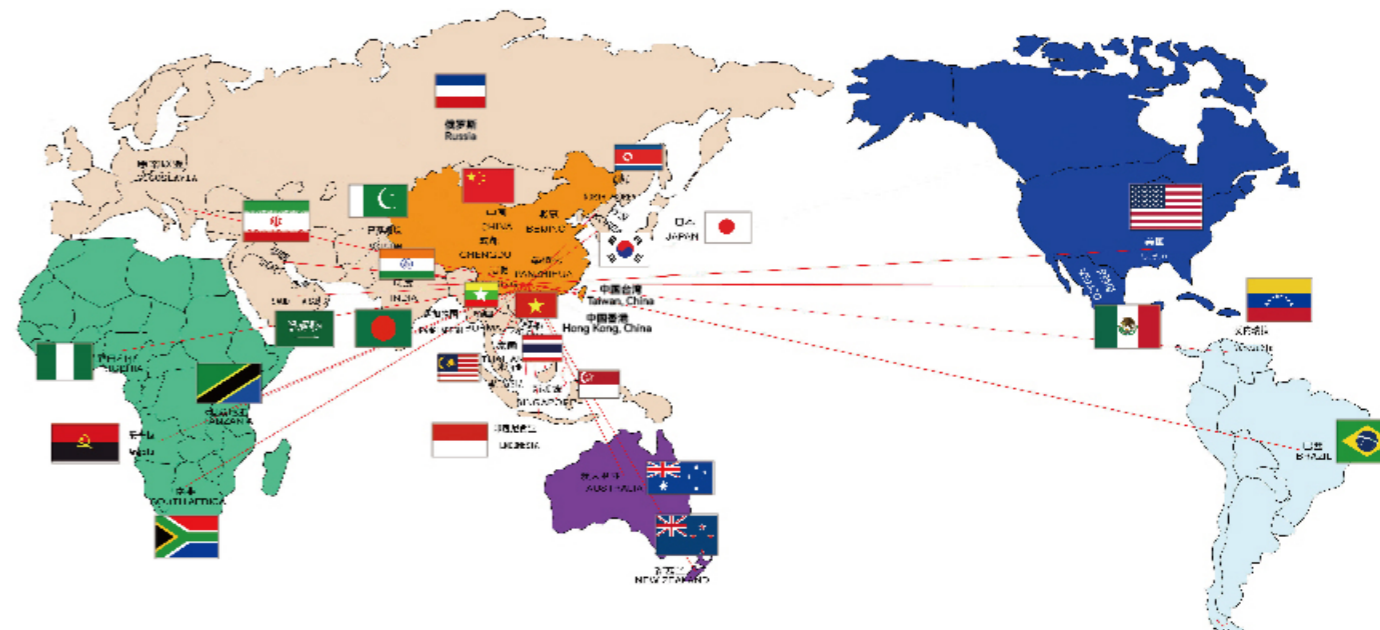
## 资质荣誉

## Qualification Honor



## 产品销往全球70个国家和地区

The products have been exported to more than 70 countries and regions.



为客户提供液态包装产存一体化及成套整厂交钥匙工程与总集成承包服务。

Provide Customers With Liquid Packaging and Storage Interation and Complete Plant, Turnkey Projects and General Integration Contracting Services.

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# 产品系统

## Product Introduction

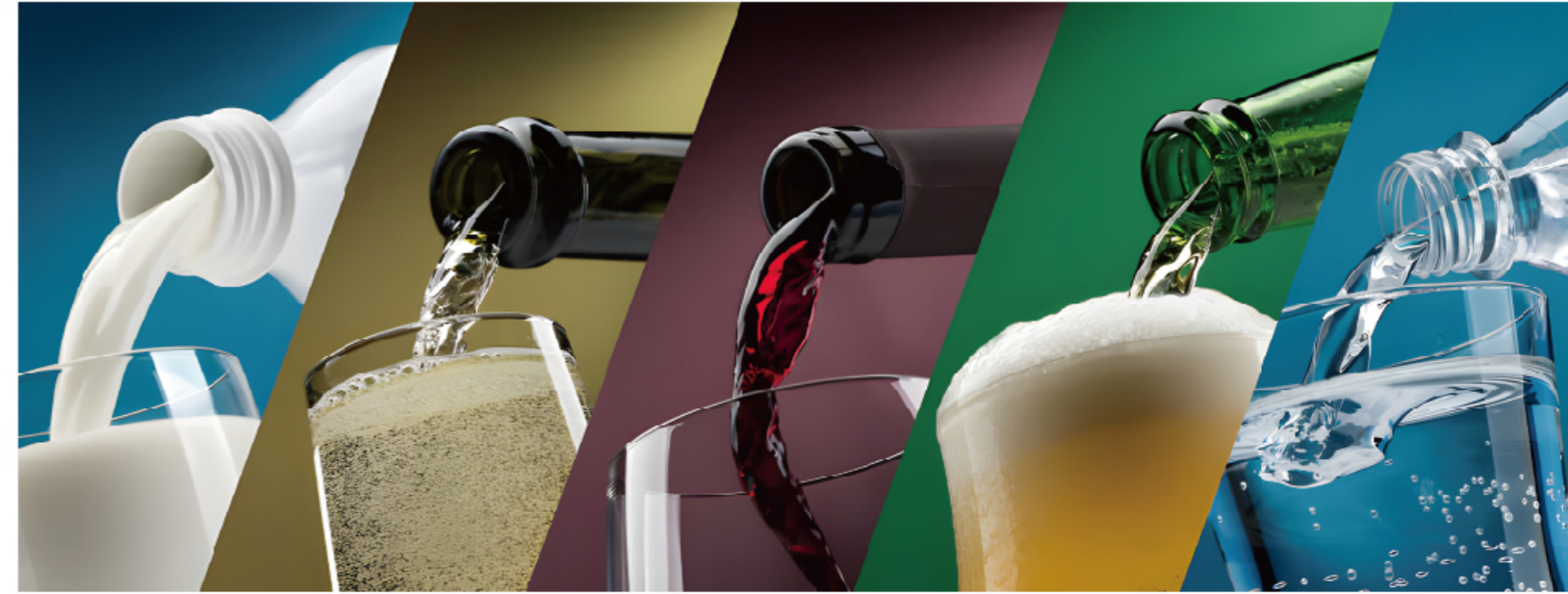
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# 全球协作伙伴

## Global Partners

我们携手全球最优秀的合作伙伴，共同构建液态产品包装解决方案，为用户提供卓越的工业系统设计、优秀安全的产品和舒适的工作环境。

Together with the world's best partners, we build liquid product packaging solutions to provide users with excellent industrial system design, excellent safe products and a comfortable working environment.



# 服务支持

## Service and Support

- 完善的备件供应体系  
Perfect spare parts supply system
- 24小时客服热线  
24 hours customer service line
- 有针对性的专业支持  
Focused professional support
- 量身定制的服务方案  
Customized service solution
- 远程服务快速解决技术故障  
Remote service to solve technical fault quickly
- 生产线效率的显著提升  
Production line efficiency markedly improved
- 全面的人员技术培训  
Comprehensive personnel technology training

# 产品清单 Product List

## 灌装机系列 Filling Machine Series

产品类型 Product Type	设备类型 Device Type	适用瓶型 Suitable Bottle Type	产能/小时 Capacity Per Hour
无菌生产线 Aseptic Production Line	无菌冷灌装机(湿法杀菌) Aseptic cold filling machine (wet sterilization)	PET/玻璃瓶 PET/ glass bottle	10000-36000瓶/小时 Bottles per hour
	无菌冷灌装机(干法杀菌) Sterile cold filling machine (dry sterilization)	PET/玻璃瓶 PET/ glass bottle	5000-36000瓶/小时 Bottles per hour
瓶装水 Bottled Water	吹灌旋一体机(旋吹/直吹) Blowing-filling-capping Combi block (rotary blow/direct blow)	PET瓶 PET bottle	10000-72000瓶/小时 Bottles per hour
	瓶装水灌装机 Bottled water filling machine	PET瓶/玻璃瓶 PET/ glass bottle	5000-72000瓶/小时 Bottles per hour
热灌装 Hot Filling	热灌装机 Hot filling machine	PET瓶/玻璃瓶 PET/ glass bottle	5000-48000瓶/小时 Bottles per hour
	热灌装机 Hot filling machine	易拉罐 Drink can	5000-36000罐/小时 Cans per hour
中温灌装 Ultra-Clean Medium Temperature Filling	中温灌装机 Medium temperature filling machine	PET瓶/玻璃瓶 PET/ glass bottle	5000-48000瓶/小时 Bottles per hour
含气灌装 Carbonated Filling	含气灌装机 Carbonated filling machine	PET瓶/玻璃瓶 PET/ glass bottle	5000-48000瓶/小时 Bottles per hour
	含气灌装机 Carbonated filling machine	易拉罐 Drink can	5000-36000罐/小时 Cans per hour
	流量计式含气灌装机 Flow meter type carbonated filling machine	PET瓶/玻璃瓶 PET/ glass bottle	5000-48000瓶/小时 Bottles per hour
酒灌装 Wine Filling	酒类灌装机 Wine filling machine	PET瓶/玻璃瓶 PET/ glass bottle	5000-48000瓶/小时 Bottles per hour
	流量计式酒灌装机 Flow meter wine filling machine	PET瓶/玻璃瓶 PET/ glass bottle	5000-48000瓶/小时 Bottles per hour
	含气黄酒灌装机 Carbonated wine filling machine	PET瓶/玻璃瓶 PET/ glass bottle	5000-48000瓶/小时 Bottles per hour
啤酒灌装 Beer Filling	啤酒灌装机 Beer filling machine	PET瓶/玻璃瓶 PET/ glass bottle	5000-48000瓶/小时 Bottles per hour
	啤酒灌装机 Beer filling machine	易拉罐 Drink can	9000-36000罐/小时 Cans per hour
一次性桶装 Disposable Drum	一次性桶装水灌装机 Disposable barreled water filling machine	3-10L	1000-8000桶/小时 Barrels per hour
	一次性桶装水灌装机 Disposable barreled water filling machine	10-20L	1000-5000瓶/小时 Bottles per hour
	一次性软桶水灌装机 Disposable barreled water filling machine	PET桶 PET bucket	1000-6000桶/小时 Barrels per hour
乳酸菌类 Lactic Acid Bacteria	PE瓶灌装机 PE bottle filling machine	PE瓶 PE bottle	6000-48000瓶/小时 Bottles per hour
油类 Oil	食用油、蚝油等 Cooking oil, oyster sauce, etc	PET/玻璃瓶 PET/ glass bottle	3000-36000瓶/小时 Bottles per hour
日化类 Daily Chemical	洗洁精、洗衣液、消毒液、酒精、洗发水、花露水等灌装机 Dish soap, laundry detergent, disinfectant, alcohol, shampoo, toilet water and other filling machine	玻璃瓶/PET/PE Glass/PET/PE	6000-36000瓶/小时 Bottles per hour
调味品灌装机 Condiment Filling Machine	酱油、醋、甜面酱、沙拉酱等灌装机 Soy sauce, vinegar, sweet sauce, salad sauce and other filling machine	玻璃瓶/PET/PE Glass/PET/PE	6000-36000瓶/小时 Bottles per hour

## 吹瓶机系列 Blowing Machine Series

产品类型 Product Type	适用瓶型(PET瓶) Suitable Bottle Type(PET Bottle)	产能/小时 Capacity Per Hour
水瓶. Water bottle	0.5-2.5L	12000-72000瓶/小时. Bottles per hour
含气瓶. Gas bottle	0.5-2L	10000-48000瓶/小时. Bottles per hour
无菌瓶. Aseptic bottle	0.5-2L	12000-36000瓶/小时. Bottles per hour
热灌装瓶. Hot filling bottle	0.5-1.5L	8000-48000瓶/小时. Bottles per hour
调味品瓶. Seasoning jar	0.25-1.5L	6000-36000瓶/小时. Bottles per hour
油瓶. Oil bottle	0.5-10L	3000-36000瓶/小时. Bottles per hour
一次性水桶. Disposable bucket	3-20L	1000-12000瓶/小时. Bottles per hour

## 其他产品 Other Products

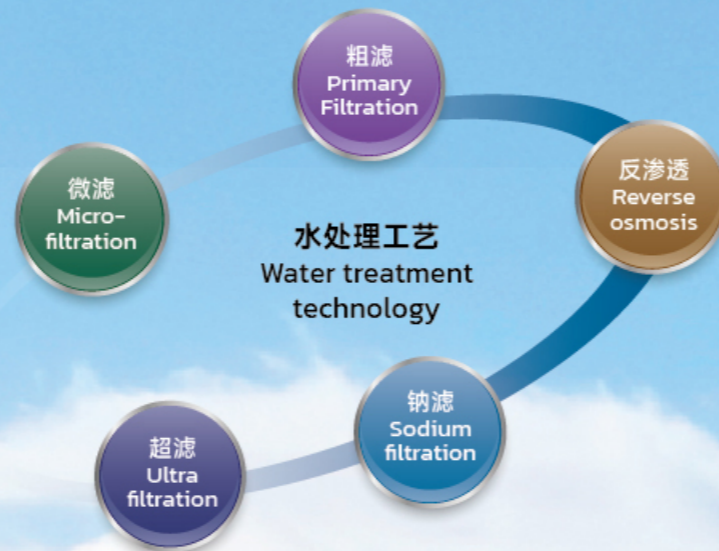
产品类型 Product Type	产能/小时 Capacity Per Hour
水处理系统 Water Treatment System	5吨-100吨/小时 5 tons -100 tons/hour
饮料前处理系统 Beverage Processing System	5吨-100吨/小时 5 tons -100 tons/hour
UHT杀菌系统 UHT Sterilization system	5吨-24吨/小时 5 tons -24 tons/hour
输送系统 Delivery system	5000-72000瓶/小时 Bottles per hour
后包装系统(套标机、贴标机、喷码机、膜包机、纸箱包装机等) Post-packaging system (sleeve label machine, labeling machine, date printer, shrink film wrapper, carton packer,	5000-72000瓶/小时 Bottles per hour

# A 水处理系统

## Water Treatment System

**产品概述:**  
一套水处理系统采用的工艺取决于水源的水质以及用水目的。选定的工艺基本可分为：预处理系统、深度处理系统及终端处理系统三部分。

**Product overview:**  
The process used in a water treatment system depends on the quality of the water source and the purpose for which it is used. The selected process can be basically divided into three parts: pretreatment system, advanced treatment system and terminal treatment system.



**应用范围**  
Applied scope

饮用纯净水、矿物质水、山泉水、食品饮料用水、啤酒、白酒、保健品等用水。  
Pure drink water, mineral water, mineralized water, spring water, water for food and beverage production, beer, liquor, health products and other water.

**产品范围**  
Products scope

- 水罐
- 水泵
- 多介质过滤器
- 活性炭过滤器
- 反渗透装置
- 过滤器装置
- 精密过滤器
- 离子交换软化装置
- 臭氧/紫外线杀菌系统等

- Water tank
- Water pump
- Multi-media filter
- Active carbon filter
- Reverse osmosis device
- Filter unit
- Precision filter
- Ion exchange softening device
- Ozone/UV sterilization system, etc

**应用领域**  
Application fields

- 饮料和啤酒生产
- 瓶装水和纯水生产
- 医药和机械工业
- 电子和纺织工业

- Beverage and beer production
- Bottled water and pure water production
- Pharmaceutical and mechanical industries
- The electronics and textile industries

水处理工艺流程图  
Water treatment process flow chart





# B 饮料前处理系统

## Beverage Pretreatment System

### 产品概述:

调配系统是指将各类原、辅料及工艺水通过各种工序单元按预订工艺参数进行提取或溶解,然后混合调配定容后获得半成品的设备组合。

### Product overview:

Blending system refers to the equipment combination that the various raw and auxiliary materials and process water are extracted or dissolved by various process units according to the pre-determined process parameters, and then mixed and fixed to obtain semi-finished products.

**应用范围** Applied scope → 咖啡、乳品、果蔬、碳酸类食品饮料、啤酒、白酒、黄酒、红酒、调味品及日化类等。  
Coffee, dairy products, fruits and vegetables, carbonated food and beverage, beer, white wine, rice wine, red wine, condiments and daily chemicals, etc

**产品范围** Products scope →

- 果蔬深加工系统
- 调配系统
- UHT 灭菌系统
- 自动 CIP/COP/SOP 系统
- 消毒液调配系统
- 混合机

- Fruit and vegetable deep processing system
- Processing System
- UHT Sterilization System
- Automatic CIP/COP/SOP system
- Disinfectant Blending System
- Carbon Mixer

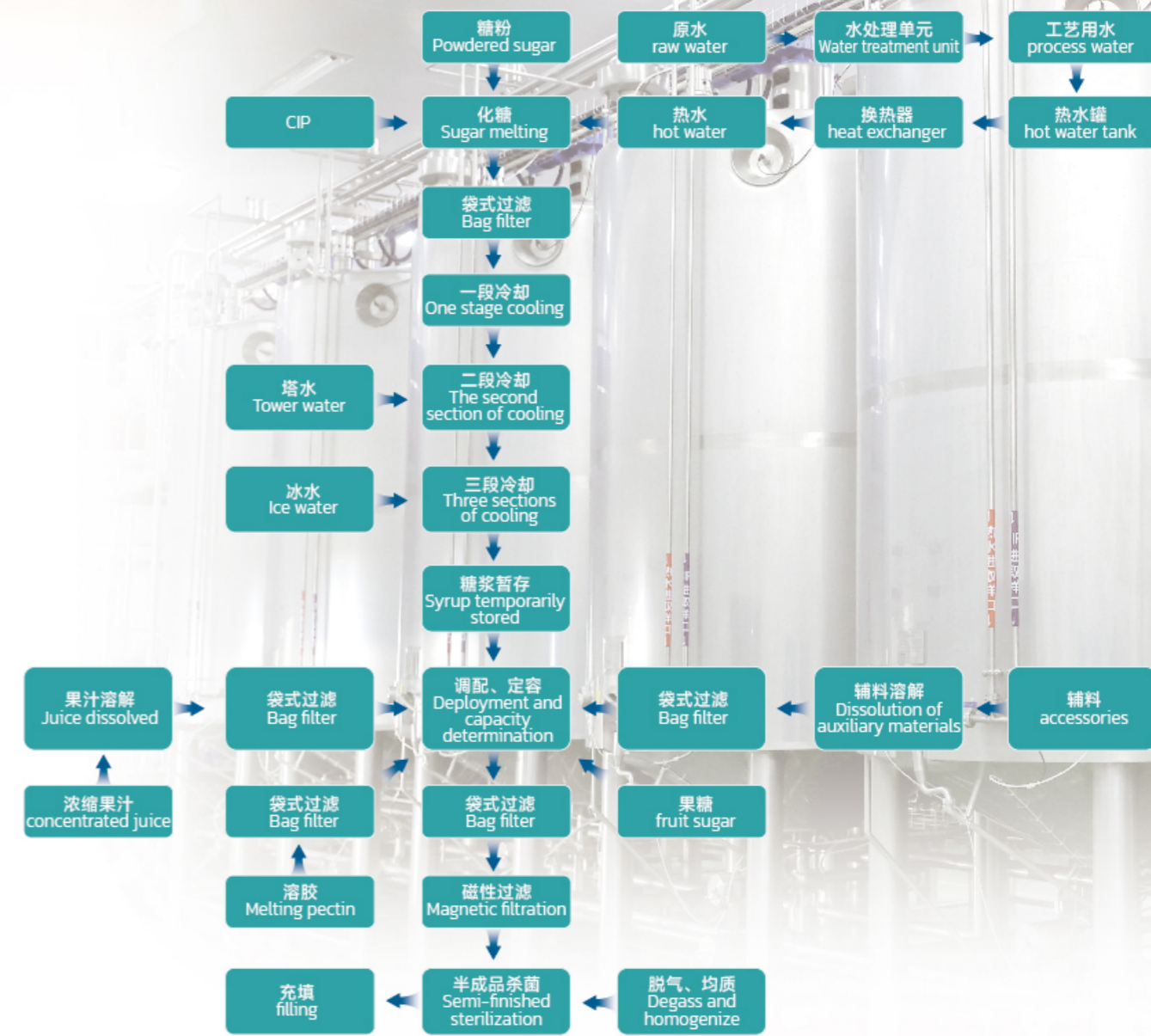
**应用领域** Application fields →

- 乳品、水、饮料类生产线
- 综合果蔬加工生产线
- 谷物、燕麦、豆类加工生产线
- 酒品饮料类生产线
- 调味品类生产线
- 特医食品及日化类加工生产线

- Dairy, water, beverage production line
- Fruit vegetable production line
- Grain oat bean process production line
- Wine beverage production line
- Condiment production line
- Special medical food daily chemical process line

前处理生产线工艺流程图

Pre-processing production line process flow chart



# C 吹瓶系统

## Blow Molding System

**PET 旋转式吹瓶机：极佳的生产效率，无限灵活的配置。**

格莱德吹瓶能耗对比国内同行，节约用电 30% 以上，节约用气 10% 以上，以 24000 吹灌旋生产线为例，按每天生产 22 小时，每年生产 280 天计算，仅用电（吹瓶和空压）一项，可节省 55 万人民币 / 年左右。

**PET rotary blowing machine: Excellent production efficiency, unlimited flexibility of configuration.**

GRANDEE Compared with the domestic counterparts, the energy consumption of blowing bottle can save more than 30% of electricity and save more than 10% of gas. Taking 24,000 blowing and rotating production lines as an example, according to the production of 22 hours per day and 280 days per year, only the electricity (blowing bottle and air pressure) can save about 550,000 cny/year.



PET吹瓶机系列 PET Blowing Machine Series	制瓶容积 Bottle Volume	应用范围 Applied Range	格莱德规格及产量表 Grandeer Specification And Production Table												
			DCP2	DCP4	DCP6	CP6B/X	CP8B/X	CP10B/X	CP12B/X	CP14B/X	CP16B/X	CP18B/X	CP20B/X	CP22B/X	CP24B/X
机型 Model Ref No.	单模腔产量(≤0.6L) Single Cavity Output(≤0.6L)	水瓶 Water Bottle-2250-2400BPH 热瓶 Hot Bottle-1600BPH CSD瓶 CSD Bottle-2000BPH	2	4	6	6	8	10	12	14	16	18	20	22	24
模腔数 Cavity															
CSD瓶(圆瓶) CSD Bottle (Round Bottle)	0.25-2.5L	水、牛奶、食用油、食品、医药、化妆品、洗涤剂瓶等 Water, Milk, Cooking Oil, Food, Medicine, Cosmetics, Detergent Bottles, Etc				12000	16000	20000	24000	28000	32000	36000	40000	44000	48000
CSD瓶(方瓶) CSD Bottle (Square Bottle)	0.25L-3L	2.5L-3L左右大直径水瓶、果汁瓶 2.5L-3L Large Diameter Water Bottle, Juice Bottle				9600	12800	16000	19200	22400	25800	28800	32000	35200	38400
水瓶(圆瓶) Water Bottle (Round)	0.25-2.5L	水、牛奶、食用油、食品、医药、化妆品、洗涤剂瓶等 Water, Milk, Cooking Oil, Food, Medicine, Cosmetics, Detergent Bottles, Etc	2000	4000	6000	14400	19200	24000	28800	33600	36000	40500	45000	49500	54000
水瓶(方瓶) Water Bottle (Square)	0.25L-3L	2.5L-3L左右大直径水瓶、果汁瓶 2.5L-3L Large Diameter Water Bottle, Juice Bottle				9600	12800	16000	19200	22400	25600	28800	32000	35200	38400
热灌装瓶(圆瓶/方瓶) Hot Filling Bottle (Round/Square)	0.25L-3L	饮料、牛奶相关制品等 Beverage, Milk Related Products, Etc				6000-9000	8000-12000	10000-15000	12000-18000	14000-21000	16000-24000	18000-27000	20000-30000	22000-33000	24000-36000
大瓶圆瓶 Large Round Bottle	4L-12L	饮料、牛奶、食用油相关制品等 Beverage, Milk, Edible Oil Related Products, Etc	2000	4000	6000										
大瓶圆瓶 Large Round Bottle	12L-20L	饮料、牛奶、食用油相关制品等 Beverage, Milk, Edible Oil Related Products, Etc	1200	3000	4500										
异形瓶 Irregular-Shape Bottle	0.6L-2L	水、牛奶、食用油、食品、医药、化妆品、洗涤剂瓶等 Water, Milk, Cooking Oil, Food, Medicine, Cosmetics, Detergent Bottles, Etc	8000			12000	16000	20000	24000	28000	32000	36000	40000	44000	48000



# E 吹灌旋一体机

## Blowing-Filling-Capping Combiblock

### 产品概述:

在单台设备上完成吹瓶、灌装、旋盖的完整动作，由单机完成从瓶坯到瓶装液态产品的创新包装技术。高效、环保、清洁、经济、灵活，提高整条线的生产效率，降低综合生产成本。

### Product overview:

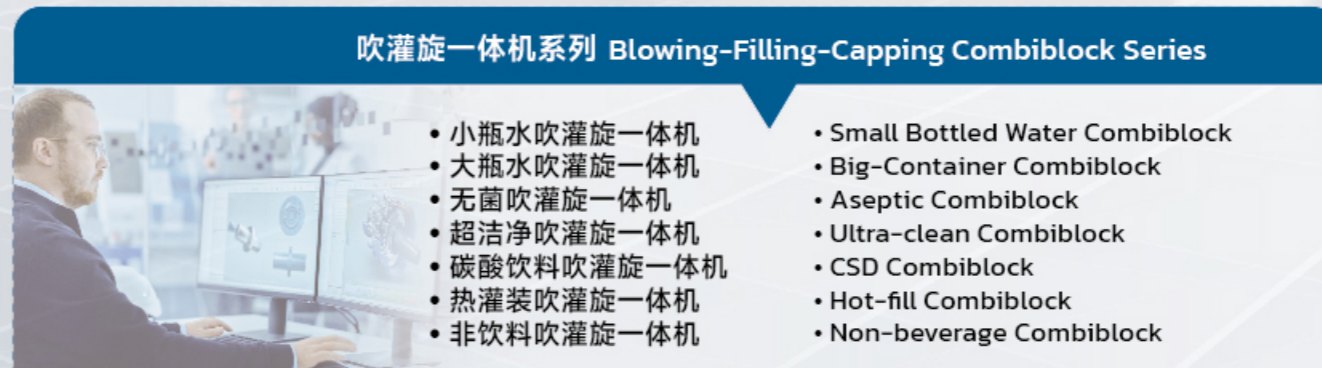
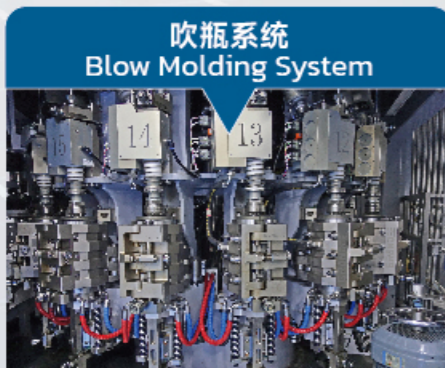
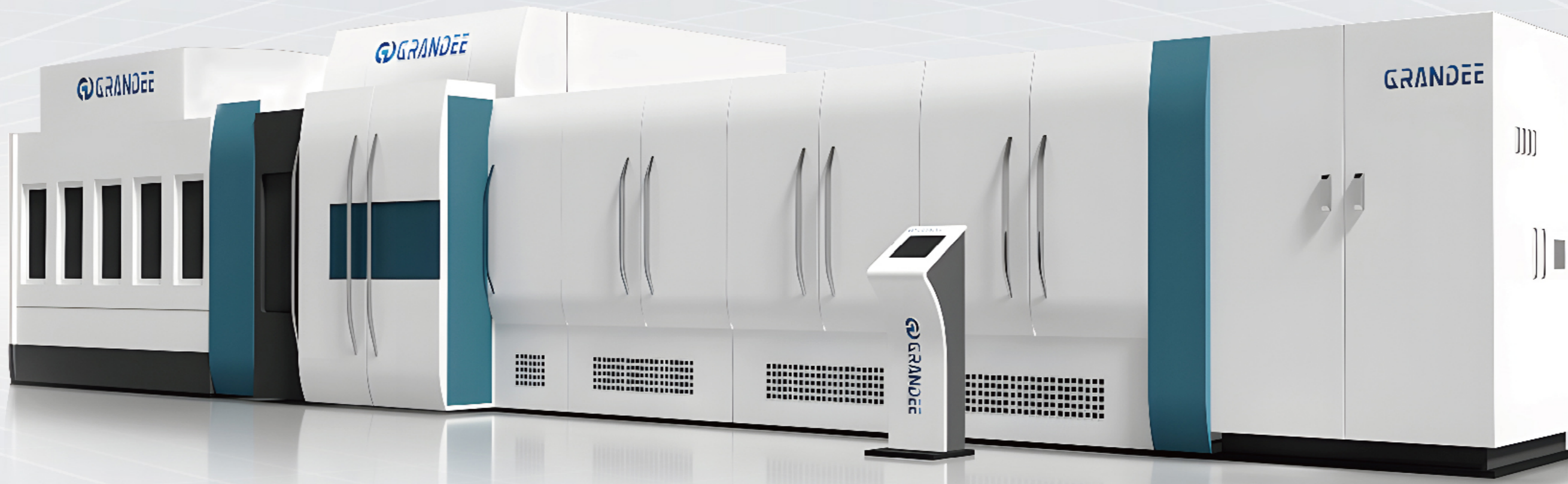
Complete the complete action of blowing, filling and capping on a single device, and complete the innovative packaging technology from the preform to the bottled liquid product by a single machine. High efficiency, environmental protection, clean, economic, flexible, improve the production efficiency of the whole line, reduce the comprehensive production cost.

### 应用范围 Applied scope

水、果蔬汁、茶、碳酸饮料、能量饮料、液态奶、植物蛋白、酒类、食用油、调味品、日化等产品，基本覆盖所有 PET 瓶类包装产品。  
Water, fruit and vegetable juice, tea, carbonated drinks, energy drinks, liquid milk, vegetable protein, alcohol, edible oil, condiments, daily chemicals and other products, basically covering all PET bottle packaging products.

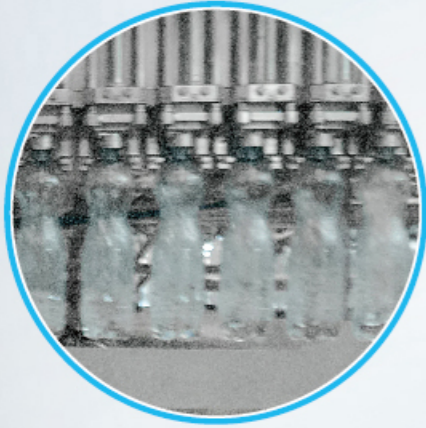
### 产品范围 Products scope

- |   |  |   |
|---|--|---|
| <b>适用容器:</b><br><ul style="list-style-type: none"> <li>• 圆形 PET 瓶</li> <li>• 方形 PET 瓶</li> <li>• 异形 PET 瓶</li> <li>• 轻量 PET 瓶</li> </ul>                        | <b>Suitable Container:</b><br><ul style="list-style-type: none"> <li>• Round PET bottle</li> <li>• Square PET bottle</li> <li>• Special-shaped PET bottle</li> <li>• Light weight PET bottle</li> </ul>  | <b>容积范围:</b><br><b>Volume Range:</b><br><ul style="list-style-type: none"> <li>• 200ML-20L</li> </ul>   |
| <b>灌装温度:</b><br><ul style="list-style-type: none"> <li>• 热灌装 (82-92°C)</li> <li>• 中温灌装 (68-75°C)</li> <li>• 常温灌装 (16-25°C)</li> <li>• 低温冷灌装 (4-15°C)</li> </ul> | <b>Filling temperature:</b><br><ul style="list-style-type: none"> <li>• Hot Filling (82-92°C),</li> <li>• Medium Temperature Filling (68-75°C)</li> <li>• Normal Temperature Filling (16-25°C)</li> <li>• Low Temperature Cold Filling (4-15°C)</li> </ul> | <b>生产能力:</b><br><b>Production Capacity:</b><br><ul style="list-style-type: none"> <li>• 4000 瓶 / 小时 -72000 瓶 / 小时</li> <li>4000Bottles/Hour - 72000 Bottles/Hour</li> </ul> |



# F PET瓶吹灌旋一体机生产线

# PET Bottle Blowing-Filling-Capping Combiblock Production Line



小瓶水吹灌旋一体机  
Small Bottled Water Combiblock

主要用于 PET 瓶饮用水的包装  
Mainly used for PET-bottle drinking water packaging

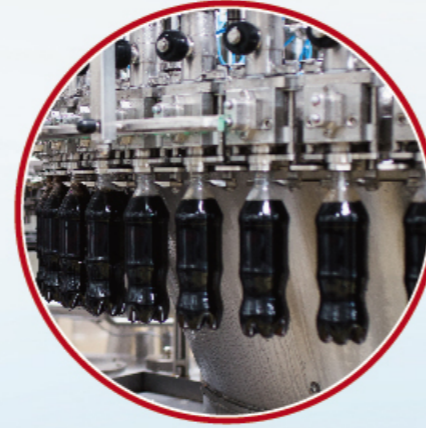
12000 瓶 / 小时 -72000 瓶 / 小时 (500 ml);  
适用瓶型 150ml-1500ml  
12000 bottles/hour - 72000 bottles/hour (500 ml) for the 150ml - 1500ml bottle



大瓶水吹灌旋一体机  
Big Bottled Water Combiblock

主要用于大容量 PET 瓶饮用水的包装  
Mainly used for PET-bottle drinking water packaging

1200 瓶 / 小时 -16800 瓶 / 小时;  
适用瓶型 3000ml-7000ml  
1200 bottles/hour -16800 bottles/hour for the bottle types of 3L-7L  
2400 瓶 / 小时 -6000 瓶 / 小时;  
适用瓶型 7000ml-20000ml  
2400 bottles/hour - 6000 bottles/hour for the bottle types of 7L-20L



碳酸饮料吹灌旋一体机  
CSD Combiblock

主要用于 PET 瓶各类碳酸饮料的包装  
Mainly used for packaging various types of PET bottles of carbonated beverages

10000 瓶 / 小时 -72000 瓶 / 小时 (500 ml);  
适用瓶型 150ml-2000ml  
10000 bottles/hour -72000 bottles/hour(500 ml) for the bottle types of 150ml-2000ml



热灌装吹灌旋一体机  
Hot-fill Combiblock

主要用于 PET 瓶果汁、茶、功能性饮料等的包装  
Mainly used for PET bottle juice, tea, energy drinks and other packaging

9000 瓶 / 小时 -48000 瓶 / 小时 (500 ml);  
适用瓶型 150ml-2000ml  
9000 bottles/hour -48000 bottles/hour(500 ml) for the bottle types of 150ml-2000ml



超洁净吹灌旋一体机  
Ultra-clean Combiblock

主要用于 PET 瓶果汁、液态奶、茶、功能饮料等的包装  
Mainly used for PET bottle juice, liquid milk, tea, functional drinks and other packaging

5000 瓶 / 小时 -48000 瓶 / 小时;  
适用瓶型 150ml-1500ml  
5000 bottles/hour -48000 bottles/hour for the bottle types of 150ml-1500ml



非饮料吹灌旋一体机  
Non-beverage Combiblock

主要用于 PET 瓶啤酒、食用油、酱油、醋等的包装  
Mainly used for PET bottles of beer, cooking oil, soy sauce, vinegar and other packaging

3000 瓶 / 小时 -48000 瓶 / 小时 (500 ml);  
适用瓶型 150ml-2500ml  
3000 bottles/hour -48000 bottles/hour(500 ml) for the bottle types of 150ml-2500ml  
1200 瓶 / 小时 -16800 瓶 / 小时 (5000ml);  
适用瓶型 1800ml-6000ml  
1200 bottles/hour -16800 bottles/hour (5000ml) for the bottle types of 1800ml-6000ml

Application Scope:

Capacity Range:

## 吹瓶机技术特点 Bottle Blowing Machine Technical Feature:

- PET 轻量瓶**  
PET lightweight bottle → 5.5g 瓶胚吹制 350ml, 9.8g 瓶胚吹制 500ml。  
5.5g bottle embryo blown 350ml, 9.8g bottle embryo blown 500ml.
- PET 厚壁瓶**  
PET thick wall bottle → 乳品类厚壁瓶, 吹制壁厚 0.3-0.4mm, 伊利、蒙牛等乳企使用。  
dairy thick wall bottle, blown wall thickness 0.3-0.4mm, Yili, Mengniu and other dairy enterprises use.
- PET 高阻隔瓶**  
PET high barrier bottle → 吹制阻隔光、阻隔氧、阻隔二氧化碳瓶类, 应用于啤酒、饮料、制药等高阻隔领域。  
blow block light, block oxygen, block carbon dioxide bottle, used in beer, beverage, pharmaceutical and other high barrier fields.
- PET 含汽瓶**  
PET bottle containing steam → 碳酸类、啤酒等含汽类饮品, 二氧化碳溶解量 2.5-4.2 倍 CSD。  
carbonates, beer and other beverages containing steam, carbon dioxide dissolved content 2.5-4.2 times CSD.
- PET 无菌常温瓶**  
PET sterile room temperature bottle → 咖啡、牛奶制品、生鲜果蔬等中性蛋白类饮料。  
coffee, milk products, fresh fruits and vegetables and other neutral protein drinks.

## 灌装机技术特点 Filling Machine Technical Feature:

- 01** → 纯净水或天然泉水设计的灌装阀: 流速快, 液位控制精准, 独立无污染带回流系统, 优化的阀体结构, 实现彻底的 CIP 清洗, 代表国内灌装技术的最高水平。  
The filling valve designed by pure water or natural spring water: fast flow rate, accurate level control, independent pollution-free with reflux system, optimized valve body structure, complete CIP cleaning, representing the highest level of domestic filling technology.
- 02** → 水线和热灌装阀: 一个阀灌多种不同液态产品, 兼容饮料和水实现用一台灌装机完成。  
Water line and hot filling valve: One valve fills many different liquid products, compatible beverages and water can be done with one filling machine.
- 03** → 含气和非含气饮料灌装阀兼容共用。carbonated filled and non-carbonated filled beverage filling valves are compatible.

# G 无菌冷灌装技术

## Aseptic Filling Technology

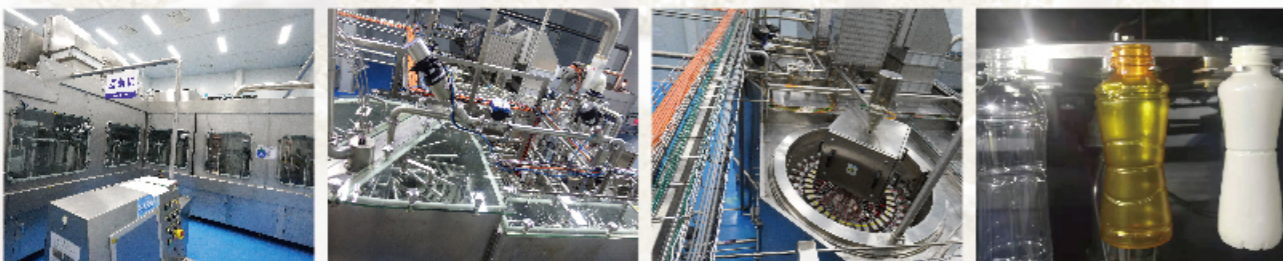
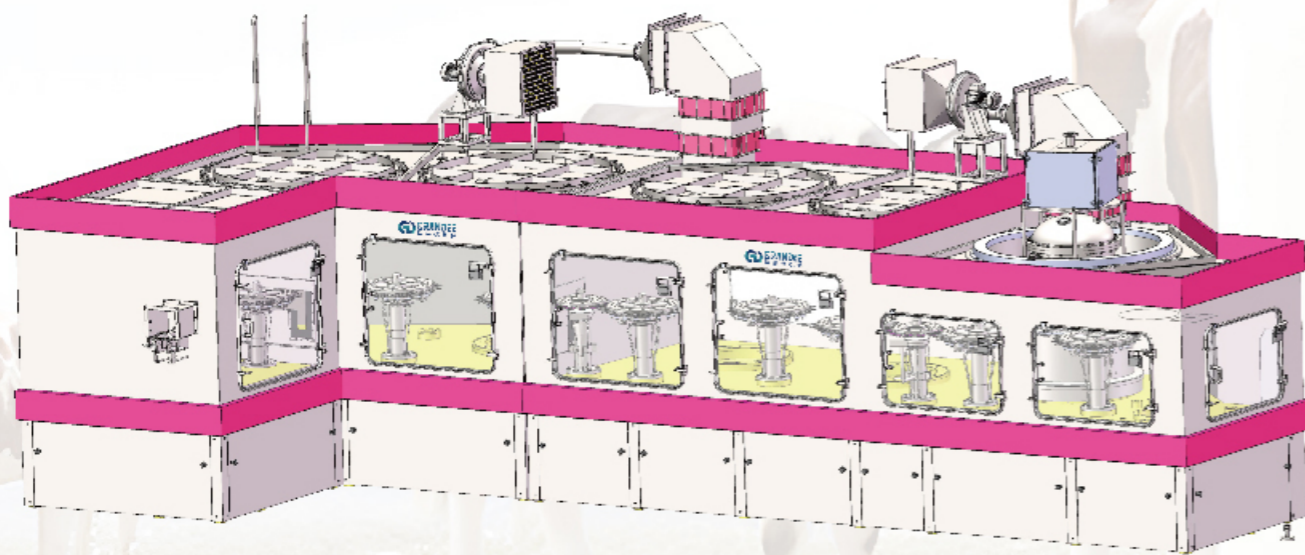
为所有中性及其他类饮品提供最完美的包装服务。  
Perfect packaging for all neutral and other beverages.

PET 瓶装果粒饮料无菌冷灌装生产线工艺流程图  
Process flow chart of PET bottled fruit beverage aseptic cold filling production line



### 部分辅机 Partial Auxiliary

- 无菌物料 UHT、脱气、均质单元
- 无菌物料储存单元
- 无菌平衡单元
- 无菌气单元
- 无菌水制备系统
- 全自动 CIP 系统
- 消毒液调配单元
- 无菌压缩气体制备单元
- Sterile material UHT, degassing, homogenizing unit
- Sterile material storage unit
- Aseptic balance unit
- Aseptic gas unit
- Sterile water preparation system
- Fully automatic CIP system
- Disinfectant blending unit
- Sterile compressed gas preparation unit



### 无菌灌装设备 Aseptic filling equipment

全自动完成瓶胚整理、瓶胚输送、胚除尘、胚灭菌、胚加热、吹瓶、瓶检测、无菌灌装、理盖、盖灭菌、加盖、伺服拧盖、出瓶和成品输送。  
Fully automatic sorting of bottle preform, bottle preform conveying, preform dust removal, preform sterilization, preform heating, blowing, bottle testing, aseptic filling, cap arrangement, cap sterilization, add lids, servo screw capping, bottle outlet and finished products conveying.

01 可以兼容含气无菌灌装、非含气无菌灌装和果粒灌装。  
It can be compatible with gas aseptic filling, non-gas aseptic filling and fruit filling.

02 采用先进的瓶干法灭菌技术和直线/旋转式设备架构。  
Advanced bottle dry sterilization technology and linear/rotary equipment architecture.

### 适用范围 Applied scope

UHT 奶、常温酸奶、茶饮、果汁、咖啡等各类液态食品生产，适用于 PET 瓶、PP 瓶等各种塑料包装容器。  
UHT milk, normal temperature yogurt, tea, juice, coffee and other liquid food production, suitable for PET bottles, PP bottles and other plastic packaging containers.

### 产能范围 Capacity Range

5000 瓶/小时 - 48000 瓶/小时；适用瓶型 150ml-1500ml  
5000 bottles/hour - 48000 bottles/hour; for the bottle types of 150ml-1500ml

# H 易拉罐灌装

## Can Filling

### 产品特征:

采用高精度流量计的电子灌装阀。  
 灌装和封口的一体化，由封口机带动灌装机同步传动，确保灌装液位的稳定。  
 采用链网式传动，其强度高、耐高温、透水性好、输送平稳并采用PID温度控制系统，确保温控精度高，反应灵敏。  
 输送系统是通过生产线上单机运行状况来联锁控制罐子行进速度，使之不相互挤压造成堵罐变形等现象。

### Product Feature:

Electronic filling valve with high precision flowmeter.  
 The integration of filling and sealing, the sealing machine drives the filling machine synchronously to ensure the stability of the filling level.  
 The chain network transmission is adopted, which has good strength, high temperature resistance, good water permeability, stable transmission and PID temperature control system to ensure high temperature control precision and sensitive response.  
 The conveying system is to interlock and control the speed of the can through the running condition of the single machine on the production line, so that they do not squeeze each other and cause the deformation of the can.



### 适用产品 Applicable Products

水、果蔬类饮料（碳酸及非碳酸）、啤酒、等各种液态食品。  
 Water, fruit and vegetable drinks (carbonated and non-carbonated), beer, and other liquid foods.

### 灌装方式 Filling Method

机械阀灌装或电子阀灌装。  
 Mechanical valve filling or electronic valve filling.

### 生产能力 Production Capacity

5000 瓶 / 小时—48000 瓶 / 小时。  
 5000 bottles/hour – 48000 bottles/hour.

# I 玻璃瓶类灌装

## Glass Bottle Filling

### 产品特征:

该系列机型灌装精确，适合冷、热态灌装；玻璃瓶和塑料瓶兼容一台设备完成灌装封盖，玻塑一体机。  
 本机设计合理，结构紧凑，外加安全防护罩。通过了中国质量认证中心 CQC 质量认证。  
 设计合理，结构紧凑。所有与物料接触部分均采用 316 不锈钢制作。  
 自动化程度高，可连续自动完成进瓶、灌装、出瓶等各工序，运转速度采用变频速度，配有进瓶倒瓶、出瓶阻塞自动停机安全保护装置，整机运行安全可靠。

### Product Feature:

This series of models fill accurately, suitable for cold and hot filling; Glass bottles and plastic bottles compatible with one device to complete the filling and capping, glass bottle plastic bottle used in one machine.  
 This machine has reasonable design, compact structure and safety shield. Passed the China Quality Certification Center CQC quality certification.  
 The design is reasonable and the structure is compact. All parts in contact with the material are made of 316 stainless steel.  
 High degree of automation, can continuously and automatically complete the bottle inlet, filling, bottle outlet and other processes, the operation speed adopts frequency conversion speed, equipped with bottle pouring, bottle blocking automatic stop and other safety protection devices, the whole machine is safe and reliable operation.



### 适用产品 Applicable Products

乳品、水、果蔬类饮料（碳酸及非碳酸）、酒类、食用油、酱油、醋等各种液态调味品和粘稠性物料等。  
 Dairy, water, fruit and vegetable drinks (carbonated and non-carbonated), alcohol, edible oil, soy sauce, vinegar and other liquid condiments and viscous materials.

### 灌装方式 Filling Method

机械阀灌装、电子阀灌装、流量控制式、液位控制式、称重式等。  
 Mechanical valve filling, electronic valve filling, flow control type, liquid level control type, weighing type, etc.

### 生产能力 Production Capacity

5000 瓶 / 小时—48000 瓶 / 小时。  
 5000 bottles/hour – 48000 bottles/hour.

# J 前置把手吹瓶机

Front Handle  
Blow Machine



**适用范围**  
Application Scope

通过不同模具，不同瓶型前置把手 PET 瓶的吹制，应用于 PET 瓶装水、果汁、饮料、乳品、啤酒、调味品类：食用油、酱油、醋、日化品领域。  
Through different molds, different bottle type front handle PET bottle blowing, used in PET bottled water, juice, beverage, dairy, beer, condiments: edible oil, soy sauce, vinegar, daily chemical products field.

**产能范围**  
Capacity Range

600-4500 瓶 / 小时 (800ml-10000ml)。  
600 bottles/hour – 4500 bottles/hour (800ml-10000ml).

# K 调味品及日化类灌装

Condiment and Daily  
Chemical Filling



**适用产品**  
Applicable Products

食用油、酱油、醋、粘稠性物料等各种液态调味品。  
Edible oil, soy sauce, vinegar, viscous materials and other liquid condiments.

**适用容器**  
Suitable Container

塑料容器 (PET 和 HDPE)、玻璃容器或金属容器  
Plastic containers (PET and HDPE), glass containers or metal containers.

**灌装方式**  
Filling Method

机械阀灌装或电子阀灌装。  
Mechanical valve filling or electronic valve filling.

**生产能力**  
Production Capacity

4000 瓶 / 小时—48000 瓶 / 小时  
4000 bottles/hour – 48000 bottles/hour.



# L 输送系统

## Conveying System

确保产品输送平稳，生产线灵活可调整。  
Ensure smooth product delivery and flexible production line adjustment.



瓶输送系统  
Bottle Transfer System  
产能 Capacity:  
6000-72000BPH



理瓶机  
Bottle Unscrambler  
产能 Capacity:  
5000-36000BPH



喷淋冷却系统  
Showering & Cooling Tunnel  
产能 Capacity:  
5000-43200BPH



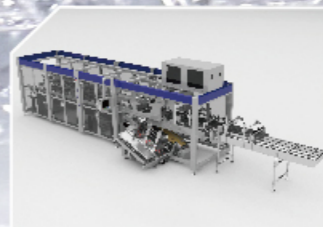
空瓶无菌风送系统  
Empty Bottle Sterile Air  
Delivery System  
产能 Capacity: 95 m/min



自动贴标机  
Automatic Labeling Machine  
产能 Capacity:  
60000BPH



热收缩膜包装系统  
Shrink-wrapper System  
产能 Capacity:  
120packs/min



纸箱包装机  
Carton Packing Machine  
产能 Capacity:  
60packs/min



机器人码垛系统  
Robot Palletizing System  
产能 Capacity:  
80000BPH

# M 二次包装系统

## Secondary Packaging System

保护您最终的包装，在水、饮料、乳制品、粮油、调味品、日化等产品生产线中，最大程度地满足整线生产效率。  
Protect your final packaging to maximize the production efficiency of the entire line in water, beverage, dairy, grain and oil, condiments, daily chemicals and other product lines.

# N 辅助设备

## Auxiliary Materials and Equipments



我们的经验：  
自信与实力为您量身定做整线解决方案。帮助您提高现在和未来的生产线性能！

Our experience:  
Confidence and strength tailor a whole line solution for you.  
Help you improve the performance of your current and future production lines.