



## 饮料灌装生产线 整体解决方案

Overall Solution For Beverage  
Filling Production Line



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Zhangjiagang City AK Machinery Co.,Ltd.

☎ S2

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张家港市安凯机械有限公司  
ZHANGJIAGANG CITY AK MACHINERY CO.,LTD.

致力于为世界饮料工业  
提供优质解决方案。

Commit to providing high quality  
solutions for world beverage industry.





## Company Profile

### 公司简介

张家港市安凯机械有限公司是一家专业的灌装和包装机械供应商，致力于为世界食品饮料行业提供整线规划、设计、工程安装、设备生命周期维护等全方面解决方案。目前，产品已经覆盖世界50多个国家和地区以及中国境内31个省市自治区。

公司经营范围主要包括饮料机械、塑料机械、包装机械、水处理设备等，与时俱进，始终瞄准世界最先进饮料包装机械，相继从德国、意大利、法国等引进饮料包装机械技术。

近年来公司全面贯彻ISO9001质量管理体系，确保每一台设备均在严密控制下进行设计、制造、组装、测试、包装、安装调试，直至交付给我们的最终客户。同时，我司拥有完善的售后服务体系，快速响应客户需求，为客户提供全方位、多角度的细致服务。

Zhangjiagang City AK Machinery co.,ltd is a professional supplier of filling and packaging machinery equipments,dedicated to providing comprehensive solutions for the whole line planning,designing,engineering installation,machine life-cycle maintenance,etc.for the world food and beverage industry.At present,the products have covered more than 50 countries and regions in the world and 31 provinces,municipalities and autonomous regions in China.

The company's business scope mainly includes beverage machinery,plastic machinery,packaging machinery, water treatment equipment,etc.,keeping pace with the times,always seeking out the world's most advanced beverage packaging machinery equipments,and successively introducing beverage packaging machinery technology from Germany,Italy,France and other countries.

In recent years,the company has fully implemented the ISO9001 quality management system to ensure that each equipment is designed,manufactured,assembled,tested,packaged,installed and debugged under strict control until it is delivered to our final customers.At the same time,our company has a complete after-sales service system,responds quickly to customer needs,and provides customers with comprehensive and multi-angle careful services.

## 加工中心 Machining Center

本公司拥有先进的设备、精良的工艺以及严格完善的质量管理体系，并聚集具有专业技术精英和领先水平的科技队伍，充分利用新技术、新工艺、新材料保证产品的稳定性和可靠性。产品质量取源于制造手段的先进、精品意识源于不断的创新。

AK-Machine has advanced equipment,sophisticated technology and strict and perfect quality management system,and gathers professional and technical elites and leading scientific and technological teams,making full use of new technologies,new processes and new materials to ensure the stability and reliability of products.Product quality originates from the advanced manufacturing means,and constant innovation promotes the consciousness of high-quality goods.

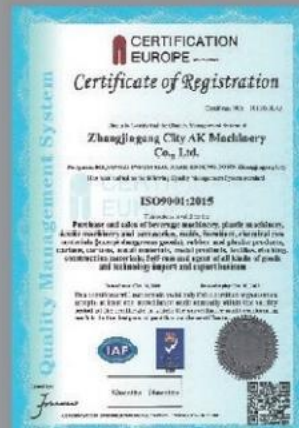


## 内部环境 Internal Environment





## 资质证书 Qualification Certificate



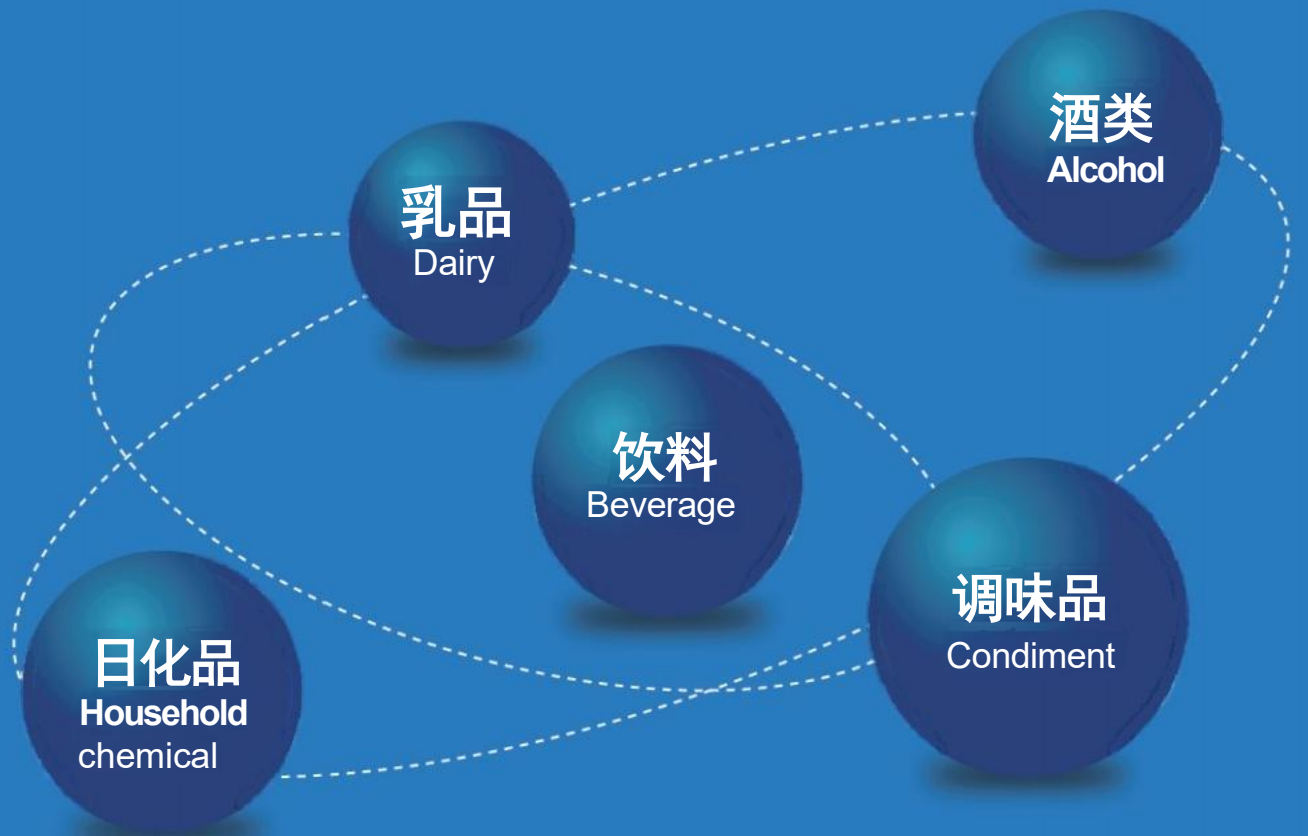
## 产品叙述 | Product Description

安凯机械竭诚向广大用户提供：

- 2000-48000瓶/小时果汁热灌装-中温灌装生产线
- 2000-48000瓶/小时饮用水灌装生产线
- 2000-36000瓶/小时碳酸饮料灌装生产线
- 2000-34000瓶/小时啤酒灌装生产线
- 150-3000桶/小时3-5加仑水灌装生产线
- 600-6000瓶/小时5-10L 水灌装生产线

AKMACHINE wholeheartedly provides to the masses of users;

- 2000-48000 Botteshour juice hot filng,mid temp flng prcdlution lne
- 2000-48000 Bottesthour dinking water filing producrion lne
- 2000-36000 Boitles/hour carbonated beverage filing production line
- 2000-24000 Bottles/hour beer filling prodctction line
- 150-3000 Boitles/hour 3-5 gallon water production line
- 600-6000 Bottlesfhour 5-10L water production line





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吹灌旋生产线

Combi Blowing Filling Capping Machine  
吹灌旋设备



用途及特点 Application and features

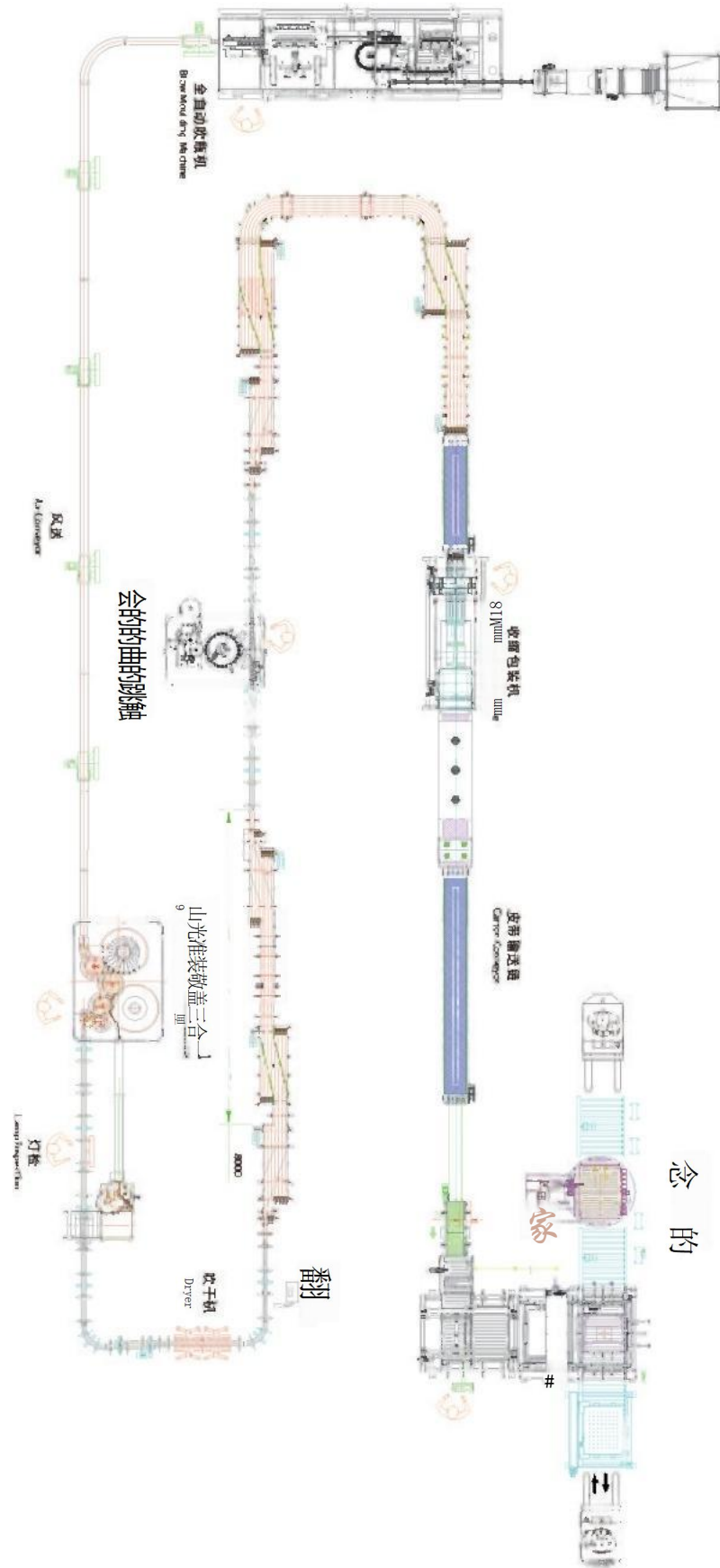
本机采用吹瓶、灌装、旋盖三个工艺流程，将PET瓶胚转为瓶装液体产品的先进包装技术。大底板式的主体结构，独立的灌装空间，净化空气过滤系统，保证灌装区域更卫生与安全的环境。优良的传动系统大程度的消除了传动误差，使瓶子传递平稳顺利，不产生卡瓶现象。设备的设计和制造符合欧盟的CE认证，产品质量和人身安全得到保障。本机适用于各种形状的PET瓶和塑料瓶，主要应用于纯净水，矿泉水，蒸馏水，茶，果汁，调配乳，功能饮料，含气饮料，带过肉的果汁等领域。

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 filing 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.

主要技术参数 Main 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
冲瓶头数	Blower 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

Process Flow Diagram Of Drinking Water Filling Line  
饮用水灌装线工艺流程图



CGF Washing Filling Capping Machine  
CGF 系列常压洗瓶灌装旋盖三合一机



用途及特点 Application and features

本机采用旋转灌装技术，冲洗，灌装，封口三合一，触摸屏操作全过程实现自动化。各部位可以根据瓶型自如调整，简单快捷，稳定可靠。本机采用先进的PLC 控制系统，控制机器的自动运行。进瓶使用风送装置，输出瓶链道采用可调速方式，与主机相配合运行更稳定，操作简单。本机适用于各种形状的PET 瓶和塑料瓶，主要应用于纯净水、矿泉水等领域。

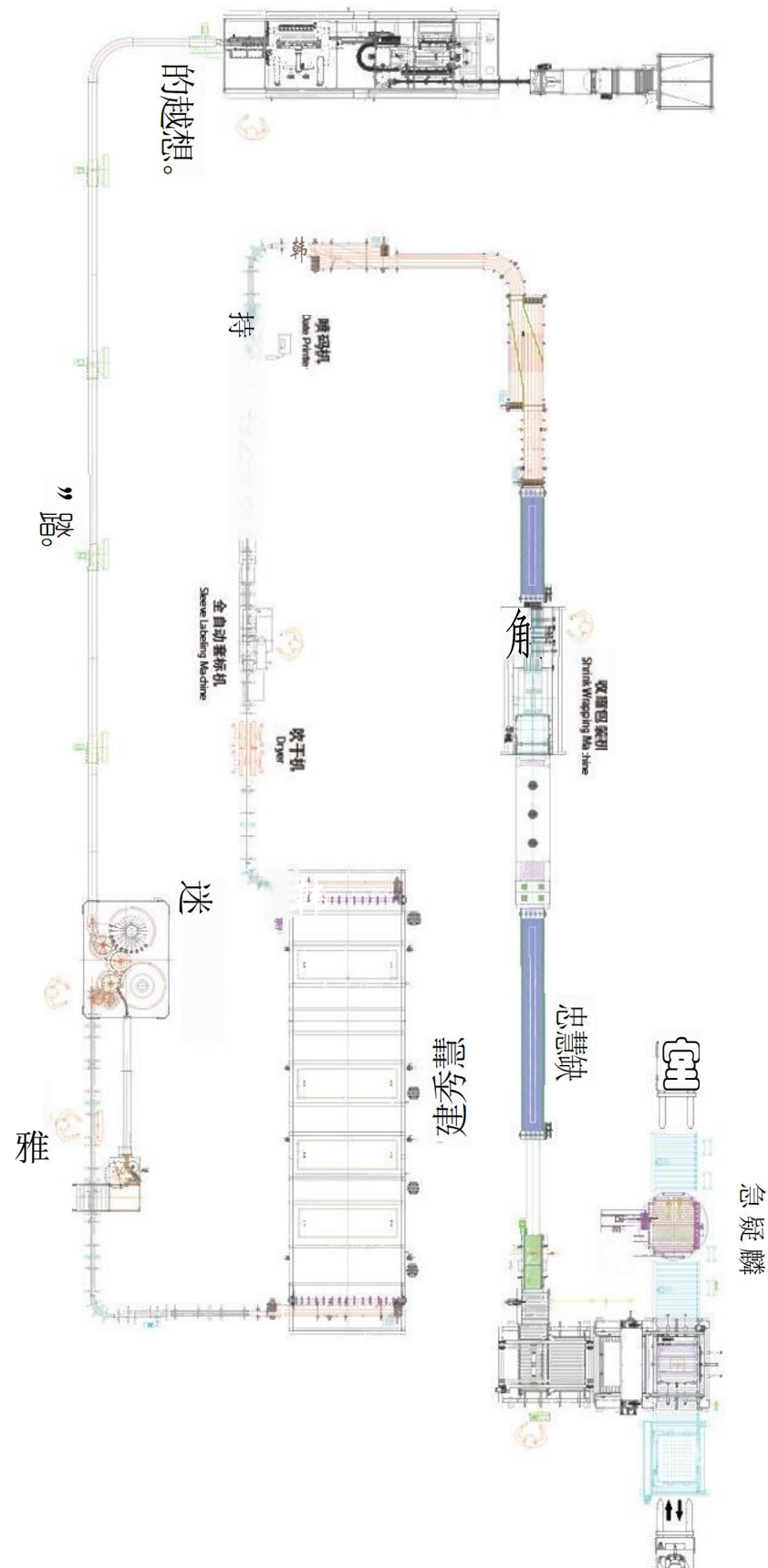
The machine adopts rotary filling technology, washing, filling, capping the three one. Touch screen operation whole process automation, each part can be freely adjusted according to the type of bottles, simple and quick, stable and reliable machine adopts advanced control system, control of the automatic machine operation. Into the bottle using a wind feeding device, output bottle chain adopts adjustable speed mode, and host interaction more operable. The machine is suitable for PET bottles and plastic bottles, mainly used in pure water, mineral water, etc.



主要技术参数 Main technical parameters

型号	Model	CGF8-8-3	CGF14-12-5	CGF18-18-6	CGF24-24-6	CGF32-32-8
生产能力(500ml)	Production Capacity (BPH)	2500	5000	8000	12000	15000
型号	Model	CGF40-40-10	CGF50-50-12	CGF60-60-15	CGF72-72-18	CGF80-80-22
生产能力(500ml)	Production Capacity (BPH)	18000	24000	30000	36000	42000

Process Flow Diagram Of Juice/Tea Filling Line  
果汁/茶饮料灌装线工艺流程图



RGF Washing Filling Capping Machine  
RGF 系列高温洗瓶灌装旋盖三合一机



用途及特点 Application and features

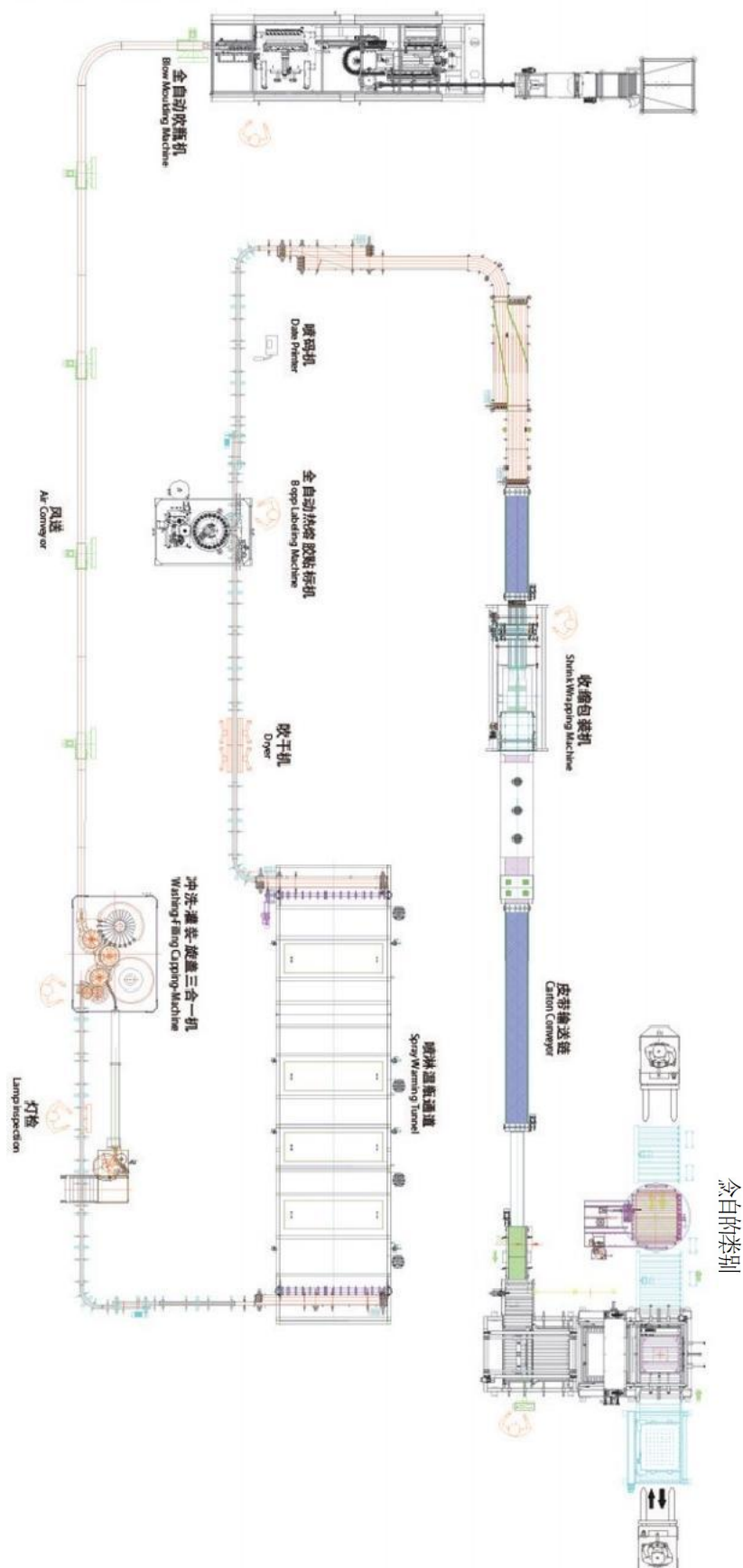
本机采用旋转灌装技术，将冲洗，灌装，封口三合一，触摸屏操作全过程实现自动化，适用于聚酯瓶、塑料瓶。各部位可以根据瓶型自如调整，简单快捷，稳定可靠。在65-85°C±2°C的温度下进行灌装，不添加任何防腐剂的情况下，产品达到保质期的要求。设有完善的自动清洗系统及控制程序，与液体接触的零件全部使用优质不锈钢材料及食品级橡胶。本机适用于各种形状的PET瓶和塑料瓶，主要应用于果汁、茶饮料、功能饮料等领域。

The machine adopts rotary filling technology, washing, filling, capping the three one. Touch screen operation whole process automation, suitable for PET bottles and plastic bottles. Each part can be freely adjusted according to the type of bottles, simple and quick, stable and reliable. Filling temperature is 65-85°C±2°C, the product meets the requirements of shelf life without any preservatives added. With complete automatic cleaning system and control procedures, all parts in contact with liquid using high quality stainless steel materials and food grade rubber. The machine is suitable for PET bottles and plastic bottles of various shapes, mainly used in fruit juice, tea drinks and energy drinks etc.



主要技术参数 Main technical parameters

型号	Model	RGF8-8-3	RGF14-12-5	RGF18-18-6	RGF24-24-6	RGF32-32-8
生产能力 (500ml)	Production Capacity (BPH)	2000	5000	8000	12000	15000
型号	Model	RGF40-40-10	RGF50-50-12	RGF60-60-15	RGF72-72-18	RGF80-80-22
生产能力 (500ml)	Production Capacity (BPH)	18000	24000	30000	36000	42000



用途及特点 Application and features

本机采用旋转灌装技术，冲洗，灌装，封口三合一，触摸屏操作全过程实现自动化。本机采用先进的PLC 控制系统，控制机器的自动运行。配有CO<sub>2</sub> 压力控制精准，液位控制稳定，温度自动控制系统。与液体接触的零件全部使用优质不锈钢材料及食品级橡胶。本机适用于各种形状的PET 瓶和塑料瓶，主要应用于苏打水、碳酸饮料等领域。

The machine adopts rotary filling technology, washing, filling, capping the three one. Touch screen operation whole process automation. Main machine adopts advanced PLC control system, control of the automatic machine operation. Equipped with CO<sub>2</sub> pressure control precision, liquid level control stability, automatic temperature control system. All parts in contact with liquid using high quality stainless steel materials and food grade rubber. The machine is suitable for PET bottles and plastic bottles of various shapes, mainly used in soda water and carbonated beverage etc.



主要技术参数 Main technical parameters

型号	Model	DGF8-8-3	DGF14-12-5	DGF18-18-6	DGF24-24-6	DGF32-32-8
生产能力(500ml)	Production Capacity (BPH)	2000	3000	5000	6000	8000
型号	Model	DGF40-40-10	DGF50-50-12	DGF60-60-15	DGF72-72-18	DGF80-80-22
生产能力(500ml)	Production Capacity (BPH)	12000	15000	18000	22000	24000

Top Can Filling Production Line  
易拉罐灌装生产线



用途及特点 Application and features

本机采用旋转灌装技术, 冲洗, 灌装, 封口三合一, 触摸屏操作全过程实现自动化。采用无罐身接触的气动控制自动下盖, 等液位灌装技术, 生产能力为变频调速。设有完善的自动清洗系统及控制程序, 与液体接触的零件全部使用优质不锈钢材料及食品级橡胶。本机适用于铝罐、马口铁和塑料罐, 主要应用于饮料灌装和啤酒灌装等领域。

The machine adopts rotary filling technology, washing, filling, capping the three one. Touch screen operation whole process automation. Adopt no cans body contact pneumatic control automatic unload car ds, i qu cit l. With t omati cleaning system and control procedures, all parts in contact with liquid using high quality stainless steel materials and food grade rubber. The machine is suitable for aluminum cans, tinplate, and plastic cans, mainly used in beverage filling and beer filling etc.



主要技术参数 Main technical parameters

型号	Model	DGF12-1	DGF18-4	DGF24-6	DGF32-8
生产能力(500ML)	Production Capacity (BPH)	2000	6000	10000	18000

Beer Bottle Washing Filling Capping Machine  
啤酒洗瓶灌装封盖三合一机



用途及特点 Application and features

本机采用先进的“二次抽真空与高压激泡”技术, 最大限度降低啤酒含氧量, 精准压力控制和玻璃瓶自动检测功能, 确保啤酒灌装后的口感品质。引进德国先进技术和设计开发的啤酒灌装设备, 完美的冲洗、灌装、封口、消毒杀菌等功能, 实现啤酒在卫生环境中灌入容器。本机适用于玻璃瓶, 主要应用于酒类, 调味品等领域。

The machine adopts advanced technology of "secondary vacuumization and high pressure foaming", minimize the oxygen content of beer, precise pressure control and automatic detection of glass bottles, to ensure the taste quality of beer after filling. Introduce Germany's advanced technology and design to develop the beer filling equipment, perfect washing, filling, capping, sterilization and other functions, to achieve beer in a sanitary environment into the container. The machine is suitable for glass bottles, mainly used in wine and seasoning etc.



主要技术参数 Main technical parameters

型号	Model	14-12-4	18-18-6	24-24-6	32-32-8
生产能力(500ml)	Production Capacity (BPH)	1500	4000	6000	8000
型号	Model	40-40-10	50-50-12	60-60-15	72-72-18
生产能力(500ml)	Production Capacity (BPH)	12000	15000	18000	22000

3-5 Gallons Barreled Water Production Line  
3-5加仑桶装水生产线



用途及特点 Application and features

该机采用旋转式灌装技术，清洗、灌装、旋盖三合一，先进的PLC 控制系统，触摸屏操作全过程自动化。该生产线采用电机链传动升降系统，专业针对料筒清洗的难点部位。各洗涤过程均有压力显示，洗涤泵压力可调，出桶平稳，高效稳定，无噪音，不卡桶。主要用于三到五加仑的纯净水和矿泉水等。

The machine adopts rotary filling technology, cleaning, filling, rotary cover three-in-one, advanced PLC control system, touch screen operation automation. The production line adopts motor chain drive lifting system, which specializes in the difficult parts of barrel cleaning. There is a pressure display in each washing process, the pressure of the washing pump is adjustable, the bucket is stable, efficient and stable, there is no noise, and the bucket is not stuck. Mainly used for three to five gallons of pure water and mineral water.

主要技术参数 Main technical parameters

型号	Model	QGF150	QGF300	QGF450	QGF600	QGF750
生产能力 (20L)	Production Capacity (BPH)	150	300	450	600	750
型号	Model	QGF900	QGF1200	QGF1500	QGF1800	QGF2000
生产能力 (20L)	Production Capacity (BPH)	900	1200	1500	1800	2000

5-10L Rotary Washing Filling Capping Machine  
5-10L 旋转式洗瓶灌装旋盖三合一机



用途及特点 Application and features

本机采用旋转灌装技术，冲洗，灌装，封口三合一，触摸屏操作全过程实现自动化。高速大流量重力灌装速度快，灌装液面精准。进瓶风送装置与进瓶拨轮直连，瓶子传送采用全程卡瓶颈技术，变换瓶型无需调整设备高度；触屏拨轮底托采用螺旋下降方式，变换瓶型无需调整出瓶传送链高度。本机适用于各种形状的PET 瓶和塑料瓶，主要应用于纯净水、矿泉水等领域。

The machine adopts rotary filling technology, washing, filling, capping the three in one. Touch screen operation whole process automation. High speed, large flow, gravity filling valve, quick filling speed, filling liquid level accurate. The air conveyor is directly connected with the bottle inlet wheel. Bottle conveyor process adopts fixed bottleneck technology. No need to adjust the height of equipment for changing bottle type. The bottom support plate of the bottle outlet wheel adopts the spiral descending mode, so there is no need to adjust the height of the transfer chain for changing the bottle shape. The machine is suitable for PET bottles and plastic bottles of various shapes, mainly used in pure water, mineral water etc.



主要技术参数 Main technical parameters

型号	Model	8-8-4	12-12-4	18-18-6	24-24-6	32-32-8	40-40-10
生产能力 (5L)	Production Capacity (BPH)	1200	2000	3000	4000	6000	8000

Split Type Bottle Washing Filling And Capping Production Line  
分体式洗瓶灌装旋盖生产线



用途及特点 Application and features

本机采用旋转灌装技术，冲洗，灌装，封口等关键部位采用优质不锈钢材料制成。具有工艺先进、系统完善、性能可靠、使用方便等特点。是中、小型饮料厂家最为理想的生产流水线机组。本机适用于各种形状的PET瓶和塑料瓶，主要应用于纯净水、矿泉水等领域。

The machine adopts rotary filling technology, washing, filling, capping and other key parts are made of high quality stainless steel materials. With advanced technology, perfect system, reliable performance, easy to use and other characteristics. It is the most ideal production line for medium and small beverage manufacturers. The machine is suitable for PET bottles and plastic bottles of various shapes, mainly used in pure water, mineral water etc.

Linear Filling Machine  
直线式灌装机

用途及特点 Application and features

本机采用注射式/常压重力式灌装机。液晶显示，定量精确，灌装无滴漏。PLC程序控制，光电传感，气动集一体的高新技术灌装机。本机适用于不同粘度的水剂，半流体，主要应用于食品，医药，油脂，日化，化工等领域。

The machine adopts injection/ordinary pressure gravity filling. LCD display, accurate quantitative filling without leakage. PLC program control, photoelectric sensing, pneumatic integration of high-tech filling machine. The machine is suitable for different viscosity of water agent, semi-fluid, mainly used in food, medicine, oil, daily chemical, chemical etc.



袋装水

Bag Type Liquid Packaging Machine  
袋式液体包装机

用途及特点 Application and features

本机采用立式、三边封和间隙式高精度液体包装机。光电控制，定位准确可靠，紫外线灭菌、料带自动成型、日期打印，是目前先进的液体复合膜包装设备。

本机适用于各种不含气的液体，主要应用于酱油、酒、矿泉水、果汁饮料、豆奶、牛奶、油脂和液体化工产品等领域。

This machine adopts vertical, three sides sealing intermittent high precision liquid packaging. Photoelectric control, accurate and reliable positioning, UV sterilization, automatic molding material bag, date printing, is currently the most advanced liquid composite film packing equipment.

The machine is suitable for all kinds of gas free liquid, mainly used in soy sauce, wine, mineral water, fruit juice drinks, soy milk, milk, oil and liquid chemical products etc.



Bag In Box Filling Machine  
盒中袋灌装机

用途及特点 Application and features

盒中袋灌装机是我公司利用先进的技术专门为处理定量袋内灌装操作而设计的一种装置。它采用流量计来控制每个排放中释放的物料数量，并具有高填充精度、直观和易于移动的特点，以设置和调整填充量。

该机具有新颖的设计和合理紧凑的结构。

泵、封盖等。

可广泛应用于葡萄酒、食用油、果汁、添加剂、牛奶、糖浆、饮等液体材料的袋内灌装应用。

The bag-in-box filling machine is a contrivance our company has specifically designed for handling quantitative bag-in-box filling operations by drawing on advanced technology. It employs a flow meter to control the quantity of material released in each discharge, and features high filling precision, intuitive and easy moves to set up and adjust the filling quantity.

The machine enjoys a novel design as well as a reasonable, compact construction.

Can complete some process steps automatically, including uncapping, quantitative filling, vacuum pumping, capping, and others.

And can be widely used in bag-in-box filling applications for such liquid materials as wine, edible oil, fruit juice, additives, milk, syrup, alcoholic beverages and concentrated seasonings.



Inverted Bottle Sterilizer  
**倒瓶杀菌机**



**用途及特点 Application and features**

倒瓶杀菌机主要用于PET 聚酯瓶包装的果汁、茶等饮料热灌后对瓶口、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。

Mainly used for PET polyester bottle packaging juice,tea and other drinks after hot irrigation of the bottle mouth,the inner wall of the bottle cap without sterilization or high temperature treatment part of sterilization.This machine is mainly composed of transfer chain system,bottle body reverse chain system,frame,bottle flip guide rod and so on.In the process of sterilization,it is only necessary to sterilize the bottle mouth and the inner wall of the bottle cap through the high temperature of the bottle contents,without adding any heat source to achieve the purpose of energy saving.The fuselage is made of SUS304 material,beautiful and generous,easy to use.

WP Series Spraying /Cooling /Warming Sterilization Tunnel

**WP 系列喷淋/冷却/温瓶杀菌隧道**

**用途及特点 Application and features**

适用于各种鲜果乳、乳酸菌奶、钙奶、酸奶、果汁、含乳饮料、保健饮料、茶饮料、啤酒、碳酸饮料及其他食品、药品灌装或包装后的二次冷却、加热、灭菌等。可根据用户对不同产品的加热、杀菌、保温、冷却的不同工艺要求，进行不同的流程设计，满足工艺要求，配置相应的高精度的自动控制系统。



It is suitable for all kinds of fresh fruit milk,lactobacillus milk,calcium milk,yogurt,juice,milk-containing beverage,health drink,tea beverage,beer,carbonated beverage and other food,secondary cooling,heating and sterilization after filling or packing of medicine, etc.According to the user's different process requirements of heating,sterilization,heat preservation and cooling of different products, different process design can be carried out to meet the process requirements and configure the corresponding high precision automatic control system.

Juice Extractor  
**打浆机**

**用途及特点 Application and features**

DJ 型打浆机适用于经过破碎后番茄、猕猴桃、草莓、苹果、梨以及经过预煮软化的枸杞、枣等水果的核、浆分离。并具有以下特点：

- 汁渣自动分离。
- 既可组合在生产线上又可单机生产。
- 与物料接触的部分均为优质不锈钢制作，符合食品卫生。

Juice Extractor is suitable for the separation of mango,orange,kiwifruit,strawberry,apple, pear and fruit such as Lycium barbarum,jujube and so on after crushing.and has the following characteristics:

- Automatic separation of juice residue.
- It can be combined in the production line and can be produced by single machine.
- The parts in contact with the material are made of high quality stainless steel and conform to food hygiene.



Mixing Tank

**调配罐**

**用途及特点 Application and features**

该调配罐为不锈钢304单层、立式结构的卫生洁净型容器，是制药，生物工程、食品、饮料、果酒、调味品、化工、油脂等行业中常用的缓冲、储液设备，并且配有卫生人孔，清洗球，液位计等，可在线CIP清洗

This Mixing tank is a stainless steel 304 single-layer,vertical structure of sanitary and clean container,is a pharmaceutical,bioengineering,food,beverage,fruit wine,seasoning,chemical, grease and other industries commonly used in the buffer,liquid storage equipment,and equipped with sanitary manhole,cleaing ball,liquid level meter,can be cleaned online by CIP.



High-pressure Homogenizer

**均质机**

**用途及特点 Application and features**

高压均质机是液体料质均质化和高压输送的专用设备，能使料液在挤研、强冲击于失压膨胀的三重作用下使料质细化混合，本设备是食品、乳品、饮料等工艺的重要设备。对牛奶豆乳等各类乳品液料，在高压下进行均质，能使乳品液中的脂肪球显著细化，使其制品食用后易于消化吸收，提高食用价值。用于乳制、胶剂、果汁、浆液等生产中，能起到防止或减少料液的分层，改善料液外观的作用，使其色泽更鲜艳，香度更浓，口感更醇。

The high-pressure homogenizer is a special equipment for liquid material quality homogenization and high-pressure conveying,which can make the material liquid refine and mix under the action of extrusion and strong impact on the loss of pressure and expansion.For milk bean milk and other kinds of milk liquid materials,homogenized under high pressure,can make the fat ball in dairy liquid significantly refined,so that its products are easy to digest and absorb after eating,and improve the edible value.Used in the production of dairy,glue,juice,slurry and so on,it can prevent or reduce the delamination of the material liquid,improve the appearance of the material liquid,make its color more bright,more fragrant,taste more mellow.



Vacuum Degassing Machine

**真空脱气机**

**用途及特点 Application and features**

真空脱气机是利用真空抽吸作用排除料液中的空气(氧气)，抑制褐变、色素、维生素、香成分和其他物质的氧化，防止品质降低；去除附着于料液中悬散微粒气体，抑制微粒上浮，保持良好外观；防止罐装和高温杀菌时起；泡影响杀菌；减少容器壁的腐蚀，起到防腐的作用。

Vacuum degassing machine is the use of vacuum suction to remove the air(oxygen)in the material fluid,inhibit the oxidation of browning,pigments,vitamins,incense components and other substances,to prevent quality degradation;remove the suspended particulate gas attached to the material fluid,inhibit the floating of particles,maintain a good appearance;prevent canning and high temperature sterilization play a role in sterilization;reduce the corrosion on the inner wall of the container,play an anti-corrosion role.



## Tube Type Sterilizer 管式杀菌机

### 用途及特点 Application and features

管式杀菌机杀菌温度宽、杀菌温度精确，应用范围广。适用各种果汁饮料特别是高纤维、富果肉类饮料，如菠萝、胡萝卜、桃、梨、苹果、枣、草莓、橙等。也适合于低酸性或中性饮料，如花生乳、乳酸菌奶、茶饮料等，对于高粘度流动性差的酱料果泥等杀菌效果更加

Tube Type sterilizer has wide sterilization temperature, precise sterilization temperature and wide application range. Suitable for all kinds of juice drinks, especially high fiber, fruit-rich meat-type drinks, such as pineapple, carrot, peach, pear, apple, jujube, grass plum, orange, etc. It is also suitable for low acidity or neutral drinks, such as peanut milk, lactobacillus milk, tea beverage, etc.



## Plate Type Sterilizer 板式杀菌机

### 用途及特点 Application and features

板式UHT 灭菌设备设计用于牛奶、果汁饮料或类似产品进行连续灭菌工艺。配备无菌灌装设备可用于3~6个月保持期的产品生产。可连接分离机、脱气、闪蒸等设备。该设备的产量主要由进料系统中的流量控制器加以调节，在采用全流量均质方式时，利用均质机来控制流量。由于对产品的加热和冷却均在板式换热器中热回收部分进行，因而热回收率最高可达90%以上。

Plate type UHT sterilization equipment is designed for continuous sterilization of milk, juice drinks or similar products. Equipped with sterile filling equipment can be used for the production of products for a period of 3~6 months. Can be connected to separator, degassing, flash and other equipment. The output of the equipment is mainly regulated by the flow controller in the feed system, and the flow is controlled by the homogenizer when the full flow is used. Because the heating and cooling of the product are carried out in the heat recovery part of the plate heat exchanger, the heat recovery rate can reach more than 90%.



## CIP Cleaning System CIP 清洗系统



### 用途及特点 Application and features

CIP 清洗系统主要用于乳品、饮料、果汁、酒类等生产设备的清洗，CIP 清洗设备有联体式 and 分体式，电加热和蒸汽加热，半自动和全自动等分类。

CIP cleaning system is mainly used for the cleaning of dairy, beverage, juice, alcohol and other production equipment, CIP cleaning equipment has conjoined and split type, electric heating and steam heating, semi-automatic and full automatic etc.



## Carbonated Mixer 汽水混合机



### 用途及特点 Application and features

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；优质的水泵和电器等组成完善的自动控制系统，具有动作协调、外形美观、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、可乐等软饮料。

Carbonated Mixer is designed to improve the proportion of water, syrup and carbon dioxide. It adopts the national technology—static mixer to reduce the water layer, increase the carbonization time, and ensure the effect of beverage mixing, such as soda, cola and other soft drinks.

## Sanitary Pump 卫生泵

### 用途及特点 Application and features

卫生泵(又名奶泵、饮料泵、进料泵) 适用于输送孚乳汁液 类似液品，具有结构简单，运行稳、扬程足。安全可靠、外形美观、使用方便等特点，由高速电机，不

全面封闭，表面全部抛光。

Sanitary pump(also known as milk pump, beverage pump, feed pump), suitable for conveying milk liquid, soy milk, juice beverage and similar liquid food, with the characteristics of simple structure, operation, steady, safe and beautiful appearance, easy to use, etc. It is composed of high speed motor, stainless steel pump, steel tube scaffold and so on.



## Double Filter 双联过滤器

### 用途及特点 Application and features

双联过滤器是也称双联切换过滤器。它是由两台不锈钢过滤器并联而成，具有结构新颖合理、密封性好、流通能力强、操作简便等诸多优点，应用范围广泛、适应性强的多用途过滤设备。尤其是滤袋侧漏机率小，能准确地保证过滤精度，并能快捷地更换滤袋，过滤基本无物料消耗，使得操作成本降低。

Double filter is also called double switch filter. It is made of two stainless steel filters in parallel. It has many advantages, such as novel and reasonable structure, good sealing, strong flow ability, easy operation and so on. Especially the filter bag side leakage probability is small, can accurately guarantee the filtration accuracy, and can quickly replace the filter bag, filtering basically no material consumption, so that the operation cost is reduced.



AK-S Series Automatic Sleeve Labeling Machine  
AK-S 系列全自动套标机



用途及特点 Application and features

本机采用PLC 及定位模块和伺服电机及变频器，触摸屏人性化操作，全自动调整。H 型设计，确保四轮驱动，自动定心，四轮衡压的要求，确保套标准确、送标流畅、切标快速。本机主要适用于：圆瓶、方瓶、扁瓶、曲线瓶、杯型等。

The machine adopts PLC and positioning module,servo motor and inverter,touch screen humanized operation,automatic adjustment. H-type design,ensure four-wheel drive, automatic centering, four-wheel balance requirements,it completely realizes the goals of accurate label,smooth label operation and swift label cutting.The machine is suitable for round bottles,square bottles,flat bottles,curved bottles,cups etc.

主要技术参数Main technical parameters

型号	Model	AK-S150	AK-S250	AK-S350
包装速度	Product Speed	150BPM (MAX)	250BPM (MAX)	350BPM (MAX)

Steam Generator  
蒸汽发生器



Steam Shrink Tunnel  
蒸汽收缩通道



Rotary Bopp Hot Glue Labeling Machine  
旋转热熔胶贴标机



用途及特点 Application and features

本机采用施耐德伺服电机和PLC 控制，操作简单，运行稳定可靠。进口纠偏系统与先进对的上胶系统及真空转鼓完美结合，确保贴标精度高。只在标签的两头施胶，减少用胶量，以节约成本。同步齿轮传动系统，并采用螺杆和星轮配合进出瓶，确保高速运转时，产品进出流畅稳定。本机主要适用于：圆瓶、方瓶、扁瓶等。

The machine adopts schneider servo motor and PLC control,simple operation,stable and reliable operation.The imported rectifying system perfectly combines with the advanced gluing system and the vacuum drum to ensure high labeling accuracy.Sizing only at both ends of the label to reduce the amount of glue used to save costs.Synchronous gear transmission system,and the use of screw and star wheel in and out of the bottle,to ensure high speed operation,smooth and stable product in and out.This machine mainly applies to:round bottle,square bottle,flat bottle etc.

Paste Labeling Machine  
浆糊贴标机



Sticker Labeling Machine  
不干胶贴标机



用途及特点 Application and features

本机采用PLC 控制及触摸屏人机操作界面，操作方便。可根据瓶子、贴标纸的规格和特点，对生产能力作无级调整。该贴标机对瓶子的适应性强，对于食品、药品、化妆品等各种规格的玻璃瓶和塑料瓶，均能在瓶子或者容器上完美实现贴标。通过分瓶机构使同步海绵轮无极调速，可任意设置分瓶间距。

The machine adopts PLC control and touch screen operation,easy to operate.The production capacity can be stepless adjusted according to the bottle and label's specifications and characteristics.The labeling machine has strong adaptability to bottles.It's suitable for glass bottles and plastic bottles of various specifications such as food,medicine and cosmetics.Through the bottle dividing mechanism makes the synchronous sponge wheel stepless speed regulation,can set the distance between bottles arbitrarily.

AK-100B Shrink Film Packaging Machine  
AK-100B 收缩膜包装机



AK-150A Shrink Film Packaging Machine  
AK-150A 收缩膜包装机

用途及特点 Application and features

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。薄膜输送采用感应开关控制，可调控送膜长度，减少损耗。进口变频器控制，实现无极调速。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。

The machine using imported PLC automatic program control,stable performance,precise control.Automatic conveying feeding,bottle unscrambling, shrinkage, cooling and shaping process of automatic function.The film feeding an induction switch control,adjustable film feeding length,reduce loss.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.

主要技术参数Main technical parameters

型号	Model	AK-100B	AK-150A
整机外形尺寸	Overall dimensions(mm)	L3800×W820×H2000	L5050×W3300×H2100
整机重量	Machine weight(kg)	700	1200
热收缩炉尺寸	Heat shrink tunnel size(mm)	L2500×W820×H1750	L3700×W920×H1750
最大包装尺寸	Maximum package size(mm)	L600×W400×H350	L600×W400×H350
包装速度	Packing speed(P/MIN)	5-8	8-15
工作电源功率	Working power	380V 20KW	380V 20KW
工作气压	Working air pressure(Mpa)	0.6-0.8	0.6-0.8



AK-250A High Speed Shrink Wrapping Machine

AK-250A 直线式收缩包装机



High Speed Shrink Wrapping Machine

AK-350A

高速裹包机



## 用途及特点 Application and features

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，实现无极调速。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。

This machine using imported PLC automatic program control,stable performance,precise control.Automatic 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.

## 主要技术参数Main technical parameters

型号	Model	AK-250A	AK-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)	14000×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

AK-200C High Speed Carton Packaging Machine

AK-200C 纸箱下沉式包装机

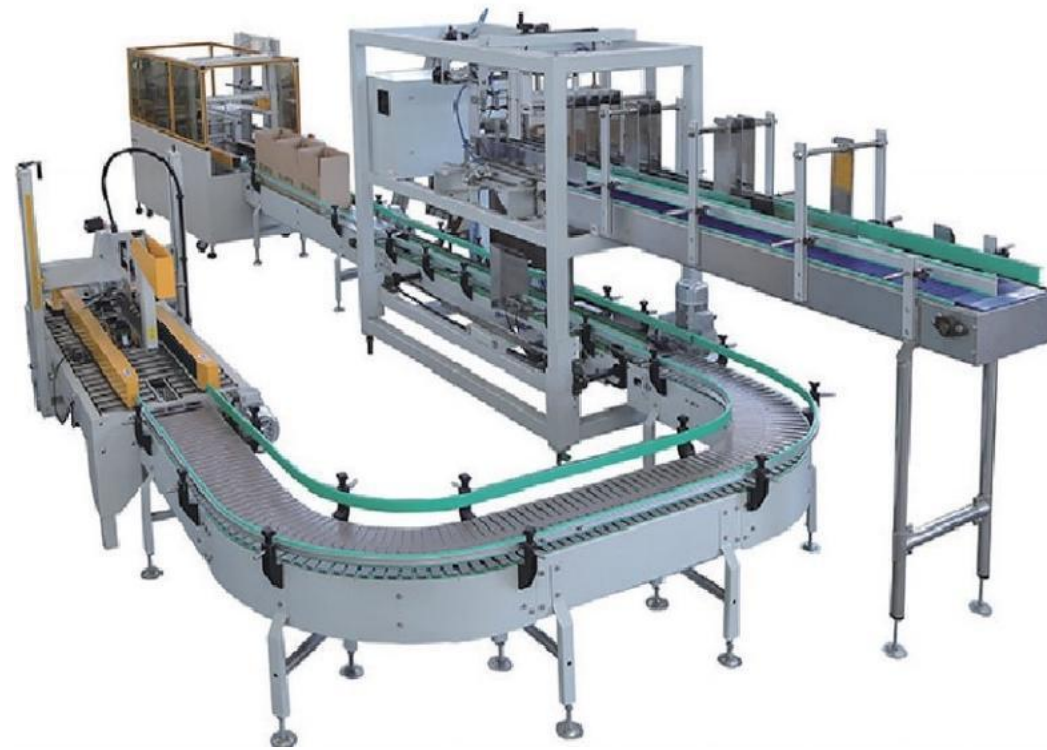


## 用途及特点 Application and features

本机采用西门子集中控制系统与人机界面相结合，完善了裹包各种控制功能，各主要关键点均设置电子监控装置。配有伺服控制器自动调节生产速度，与整条生产线同步云状。采用美国诺信热熔胶机，操作方便，经久耐用。本机适用于矿泉水、饮料、啤酒、白酒、输液药瓶。

This machine adopts Siemens automation centralized control system and man-machine combination,improve the package of various control functions,the main key points are equipped with electronic monitoring device.It's configured to automatically adjust the production speed servo controller,and the entire production line synchronous operation.The carton packaging machine adopts the United States Nordson hot melt machine,convenient operation,durable.The machine is suitable for mineral water,beverage,beer,wine and infusion bottles.

Carton Packaging Machine  
纸箱包装机

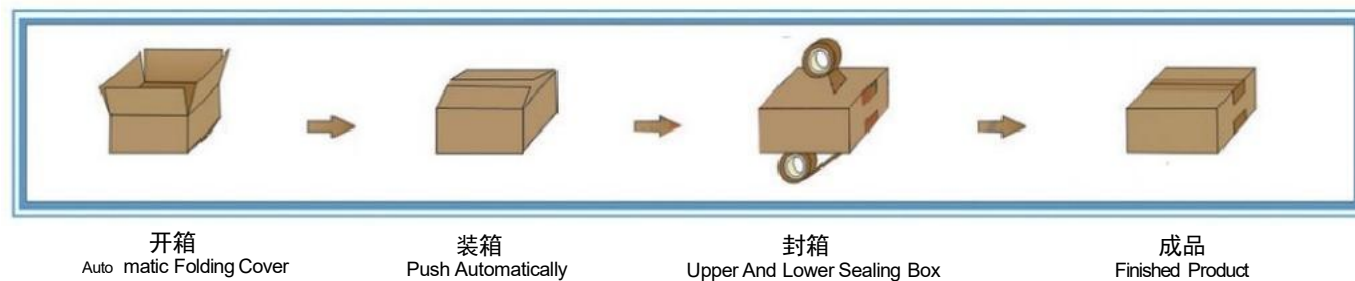


用途及特点 Application and features

本机采用落差式装箱，转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。

This machine adopts drop type packing, and is converted to automatic packing design 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.

封箱 下: The Operation Process Of This Carton Packaging Machine Is As Follows:



Palletizer  
码垛机



用途及特点 Application and features

- 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。
- Cases feeding form side, save more space, simplify transport system, save 50% cost than robot.
- Low level palletizing, Advanced layer-type palletizing design, advanced configuration, running stably and low power consumption.
- PLC control system and converter for speed control insure that cases transfer, array, palletizing, pallet unloading, solid pallet pushing out are automatically.
- Machine with high security and powerful diagnosis function, malfunction alarm and guard to insure personal safety.
- Easily to adjust for palletizing format by touch screen. No need to change parts for malfunction to finish palletizing.
- Apply to carton and film packing products palletizing.

Water Treatment System  
水处理系统

## 用途及特点 Application and features

原水(自来水、地表水、地下水)经过预处理系统、精密过滤器,通过高压泵将原水送至反渗透装置直接产出产品。能有效去除原水中油度有机物,铁,锰和氧化物、过滤水中悬浮物,胶体微生物余氧,臭氧和部分重金属离子,降低水质硬度,使水质各项指标完全符合生活饮用水标准。

Raw water(tap water,surface water,ground water) through the pretreatment system,precision filter,the raw water is sent to the reverse osmosis device through a high pressure pump to produce the water directly.This machine can effectively remove the surface water turbidity organic matter,iron,manganese and oxides, filtering suspended substance,colloid microbial residual oxygen,ozone and part of the heavy metal ions,to reduce water hardness,so water quality indicators fully meet the drinking water standard.

Reverse Osmosis System  
反渗透系统

## 用途及特点 Application and features

反渗透装置是纯化水生产线的主要部分,本装置选用美国海德能公司生产的节能型复合膜ESPA型反渗透膜元件。ESPA系列为高脱盐率,可在较低操作压力下,获取高水通量,其平均脱盐率99.5%。由于ESPA膜具有上述的优点,从而为水泵、压力容器、管道、阀门等配套设备的选择提供了更为广泛的空间。该系统可以分为单级和双级反渗透,是食品,饮料,酒水和医药行业必备的纯化水设备。

The reverse osmosis unit is the main part of the purified water production line,this unit selects the energy-saving composite membrane ESPA type reverse osmosis membrane element produced by the American Hyde Energy Company.The ESPA series is high desalination rate and can obtain high water flux at lower operating pressure with an average desalination rate of 99.5%.Because ESPA membrane has the above advantages,it provides a more extensive space for the selection of water pump, pressure vessel,pipe,valve and other supporting equipment.The system can be divided into single-stage and double-stage reverse osmosis,which is a necessary purified water equipment for the food, beverage,wine and pharmaceutical industries.

Ultrafiltration System  
超滤系统

## 用途及特点 Application and features

中空纤维超滤膜的净水性能强,被广泛应用于溶液分离、浓缩,以及从废水中提取有用物质,废水净化再利用领域的高新技术。它主要是运用了动态的过滤过程,在中空纤维的外侧或内腔加压流动,分别构成外压式与内压式。被截留物质可随浓缩小排除,不致堵塞膜表面,可长期连续运行。它的使用过程简单、不需加热、节约能源、低压运行、此装置的占地面积小。中空纤维超滤膜的这些优点和运行原理,使它收到了企业广泛的喜爱,市场占有率极高。

The hollow fiber ultrafiltration membrane has strong water purification performance and is widely used in the field of solution separation,concentration,and extraction of useful substances from wastewater,and high-tech in the field of wastewater purification and reuse.It mainly uses the dynamic filtration process,the outer or inner cavity of the hollow fiber pressure flow,constitute the external pressure type and the internal pressure type respectively.The intercepted material can be removed with the concentration small, does not block the membrane surface,may run continuously for a long time.Its use process is simple,no heating,energy saving, low-voltage operation,this device covers a small area.The advantages and operating principles of hollow fiber ultrafiltration membrane are that it has received a wide range of popularity and high market share.



Injection Molding Machine  
注塑机

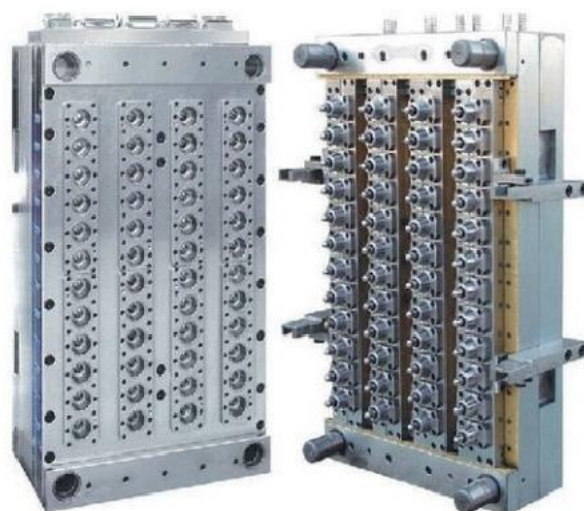


用途及特点 Application and features

它是将热塑性塑料或热固性塑料利用塑料成型模具制成各种形状的塑料制品的主要成型设备。分为立式、卧式、全电式。注塑机能加热塑料，对熔融塑料施加高压，使其射出而充满模具型腔。

It is the main molding equipment for making thermoplastic or thermosetting plastics into plastic products of various shapes using plastic molding molds. Divided into vertical, horizontal, full electric. The injection molding machine can heat the plastic, apply high pressure to the molten plastic, make it eject and fill the mold cavity.

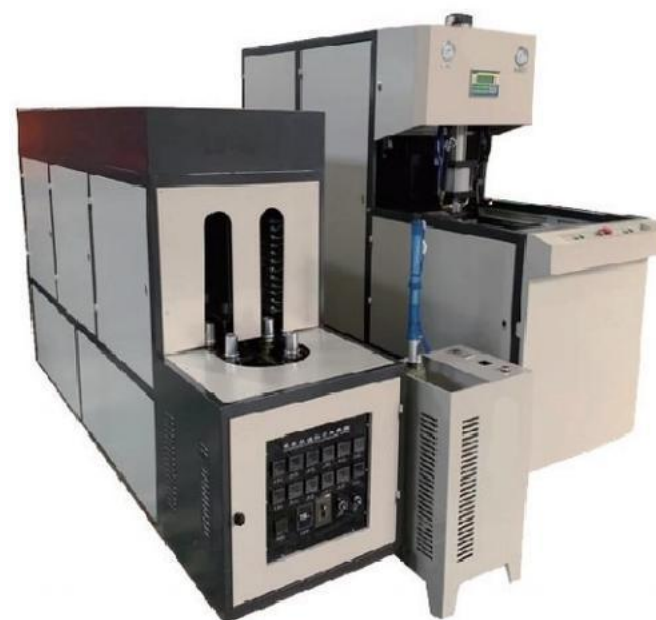
PET Preform Mould  
瓶胚模具



Cap Mould  
瓶盖模具



Semi Automatic Bottle Blowing Machine  
半自动吹瓶机

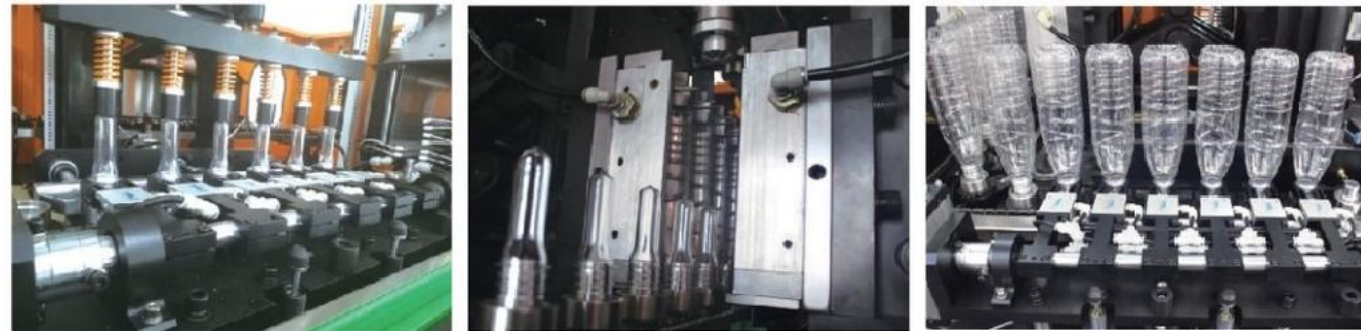


用途及特点 Application and features

本机采用远红外线旋转式加热，具有过压，过流保护功能，调速精度高，无噪音设计，耗电少，操作维修方便等特点。可根据用户所需的瓶型及口径。本机适用25升一下的瓶型，主要应用于纯净水、饮料、调味品、化妆品、医药类等领域。

The machine using infrared rotary heating, has over-voltage, over-current protection function, speed and high precision, no noise design, less power consumption, operation repair etc. The machine is suitable for bottles less than 25 liters, mainly used in pure water, beverage, seasoning, cosmetics, medicine etc.

Full Automatic Bottle Blowing Machine  
全自动吹瓶机



用途及特点 Application and features

本机采用伺服系统，合模、拉伸及步进部位均采用伺服电机驱动。机身自带气源回收装置，无需配置低压气源，使设备在工作中能达到很好的稳定性，又减少了能耗。操作简单，成品率高，模块化组装设计，便于维修，占地面积小。本机适用于2升一下的瓶型，主要应用于纯净水、饮料、调味品、化妆品、医药类等领域。

This machine adopts servo system, which is driven by servo motor for mold closing, stretching and stepping parts. The fuselage has its own air source recovery device, so there is no need to configure low-pressure air source, so that the equipment can achieve good stability in the work, and reduce energy consumption. Simple operation, high yield, modular assembly design, easy maintenance, small footprint. This machine is suitable for 2 liters bottles, mainly used in pure water, beverage, seasoning, cosmetics, medicine etc.

主要技术参数 Main technical parameters

型号	Model	AK-Q20	AK-Q40	AK-Q60	AK-Q80
产量	Production capacity (BPH)	3000	6000	9000	12000

Variable Pitch Bottle Blowing Machine  
变节距吹瓶机



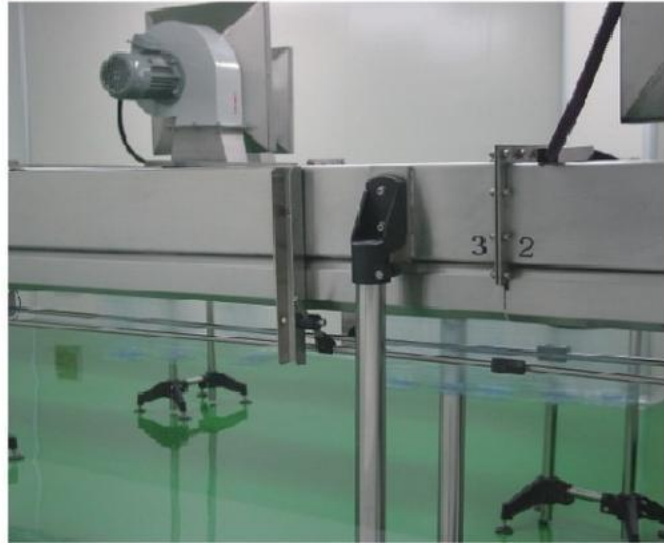
用途及特点 Application and features

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主要技术参数 Main technical parameters

型号	Model	AK-K6	AK-K8	AK-K10
产量	Production capacity (BPH)	12000	16000	20000



## SELLING NETWORK 销售网络

我公司愿与您在商海携手并进，创造未来。

We are willing to work with you in the business sea hand in hand, create the future.



通畅的销售体系快捷的服务网络卓越的品质指标  
确保了我们的产品走遍全球的每一个角落

Smooth sales system, Fast service networks,  
Excellent quality standards,  
Ensure our products covers every corner of the world.