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**Beverage Filling &  
Packing Machine  
Manufacturer**

*Advanced Liquid Package Solution*

**ZHANGJIAGANG ALPS MACHINE CO.,LTD.**

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**ZHANGJIAGANG ALPS MACHINE CO.,LTD.**

**Zhangjiagang Alps Machine Co., Ltd** is located at the new port city-Zhangjiagang, it was founded at 2011 and started with beverage filling and packing machines. Our company covers an area of 15,000m<sup>2</sup> and has standard workshop of 12,000m<sup>2</sup>. We have over 20 engineers in researching department and over 60 staff for machine manufacturing in workshop along with sales team and after-sales team. We are a leading enterprise in research and production of beverage filling and packing machines. We have also passed the ISO 9001 certification.

We are not only a machine manufacturer, we can also supply turnkey project according to customers' request, including workshop design, machine layout design, water, gas, electric cable layout design, label and bottle design. Our mission is to ensure customers' plant properly working and help customers win their market.

## 关于我们

**张家港奥倍斯机械有限公司**坐落于美丽的全国卫生城市江苏省张家港市。公司成立于2011年以饮料灌装机械起家，占地总面积15000平方米，其中包含标准车间12000平方米。我们拥有超过20位研发人员以及超过60位车间一线设备制造组装人员。至今，我们已经发展成饮料包装机械行业里面的龙头企业。我们也已经通过了ISO9001的认证。

我们不仅是一家机械设备制造商，同时还可以为客户提供厂房的设计，设备的排布，水路，电路和气路排布等。我们的任务是确保客户的工厂顺利生产以及帮助客户赢取自己的市场。

我们的主要产品包括水处理系统，矿泉水灌装，酒类灌装，易拉罐灌装，套标贴标机，膜包装箱机，含气饮料生产线，果汁生产线，桶装水生产线，吹瓶机，注塑机等。

我们会砥砺前行，不断满足客户日益变换的需求，同时也在寻求与客户更深层的合作。

# About Us



## Advanced Liquid Package Solution

Our main products including: water treatment system, mineral water filling machine, alcoholic drink filling machine, aluminum can filling machine, labeling machine, packing machine, carbonated soft drink production line, juice production line, gallon water production line, PET bottle blowing machine, injection molding machine and so on.

We will carry on to meet the demands of our customers and seek for deeper cooperation with them.

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# Machine Processing in WORKSHOP



High Quality Components supplier

Alps is committed to be the world's most competitive supplier of liquid (beverage) packaging machinery, and to focus on providing customers with safe, energy-saving and efficient equipment and with superior, fast and customized service.

奥倍斯——致力于做全球最具有竞争力的液体（饮料）包装机械供应商，专注于为客户提供安全、节能、高效的设备和优质、快速、个性化的服务。



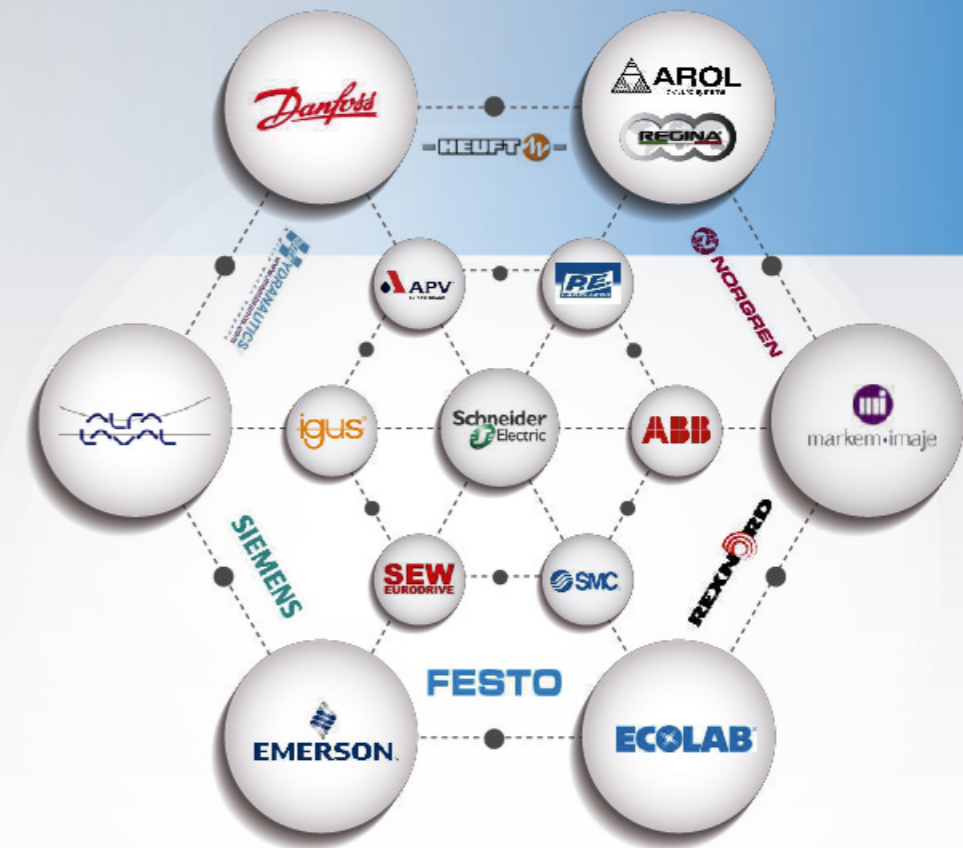
- Beverage. 饮料
- Beer&Wine. 酒
- Oil&Condimen. 调味品
- Household Chemical. 日化品

水, 果汁, 茶, 含汽饮料, 功能饮料, 果醋, 乳饮料, 咖啡等。  
Water, Juice, Carbonated soft drink, Energy Drink, Fruit Vinegar, Milk-based drink, Coffee etc.

啤酒, 葡萄酒, 香槟, 果酒, 伏特加, 威士忌, 起泡酒, 白酒等。  
Beer, Red wine, Champagne, Fruit Vinegar, Milk-based drink, Coffee etc.

食用油, 醋, 酱油, 番茄酱等。  
Edible oil, Vinegar & Soy Sauce, Ketchup Etc.

洗涤剂, 洗发液, 洗水液, 机油。  
Detergent, Shampoo, Hand wash liquid, Engine oil Etc.



Alps not only upgrade the research and development of technology ,the precision of process ,the assembling level and the detection methods, but also intergrates the best suppliers, All the components are provided by the well-known brands at home and abroad.

奥倍斯 -- 技术研究, 加工精度, 装配水平, 检测手段等方面的持续提高, 而且还整合了最优质的配套供应商资料, 所有外配元器件均由来自国内外知名品牌。

07 / Water Treatment System. 水处理系统

09 / CGF Series 3 In 1 Water Filling Machine. 纯净水三合一灌装机

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Filling System  
灌装系统



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21 / QHS-Series Beverages mixers. QHS 系列饮料混合机

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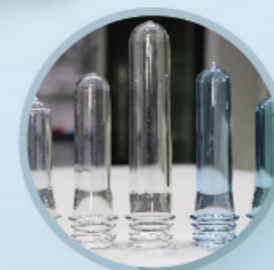
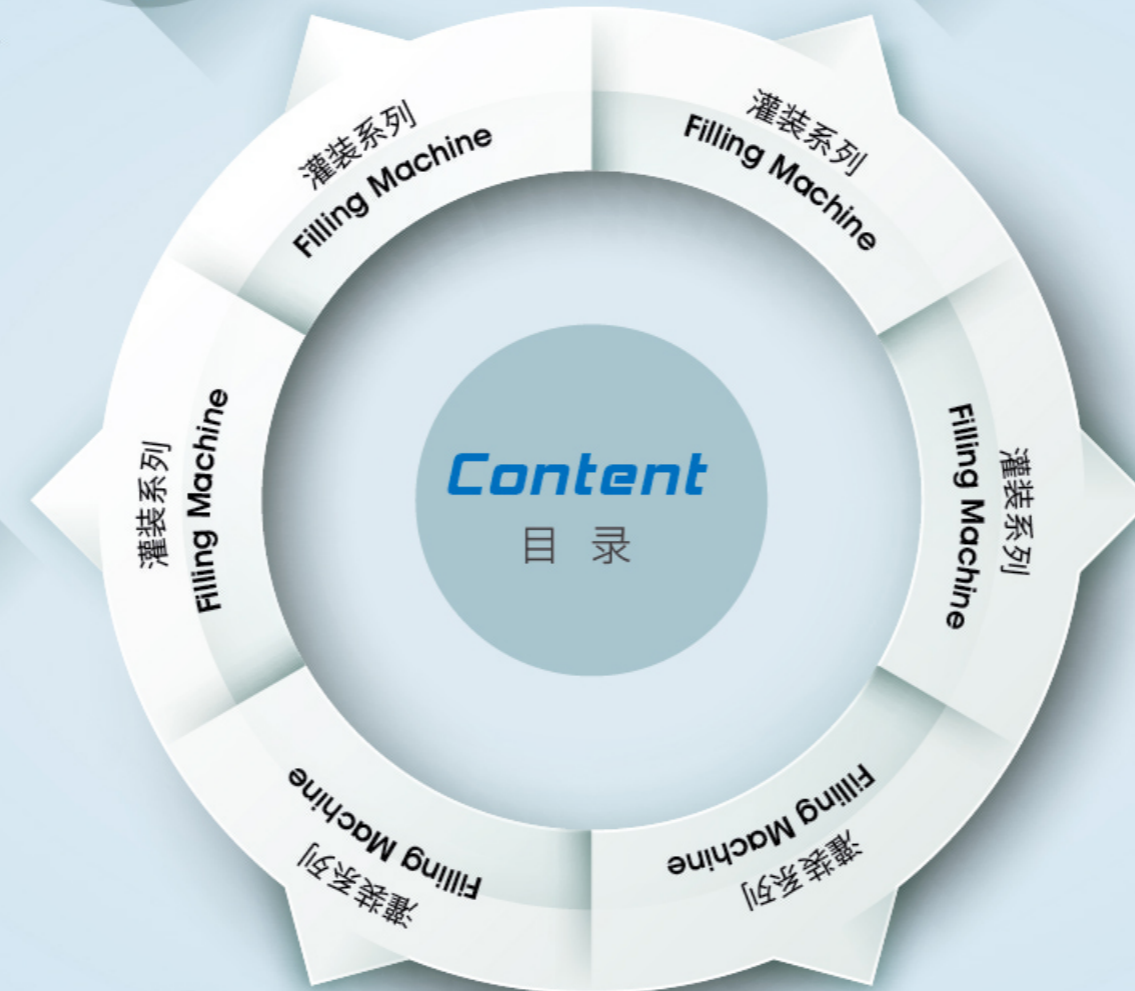
23 / FCGF Series Glass Bottle Wine Filling Machine. FCGF 系列玻璃瓶酒灌装机

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34 / Linear Shrink-wrapping Packing Machine. 全自动直线式收缩膜包装机

35 / Cardboard Wrapping Machine. 纸板包装机

36 / Palletizer. 码垛机

37 / Automatic Blow Molding Machine. 全自动吹瓶机

38 / Full Electric Blow Molding Machine. 全电动吹瓶机

39 / Semi-automatic Blow Molding Machine. 半自动吹瓶机

40 / Automatic Injection Molding Machine. 全自动注塑机

# Water Treatment System

水处理系统



### 1 / Silica Sand Filter

It can intercept and remove suspended matter effectively, organic matter, colloidal particles, microorganisms, chlorine, odor and some heavy metal ions in water under certain pressure, so as to reduce water turbidity.

在一定压力下能有效截留和去除水中的悬浮物、有机物、胶粒、微生物、氯、臭气和一些重金属离子，从而降低水的浑浊度。

### 2 / Active Carbon Filter

It can filter chlorine content in water: <0.1PPM and has significant effect on odor, organic matter, colloid and iron in water.

它能过滤水中的氯含量：<0.1ppm，对水中的气味、有机物、胶体和铁有显著影响。

### 3 / Sodium Ion Exchanger

It is used to remove calcium and magnesium ions from water. When calcium and magnesium ions in water are exchanged by sodium ion, carbonate scale and sulfate scale are not easily formed in water, thus softening water can be obtained.

钠离子交换器（软化剂）用于去除水中的钙和镁离子。当钠离子交换水中的钙、镁离子时，水中不易形成碳酸盐垢和硫酸盐垢，从而得到软化水。

### 4 / Precision Filter

It adopts PP filter membranes which has high filtering precision, less than 0.1um particles, strong ability of intercepting pollution and long service life.

精密过滤器采用 PP 滤膜，过滤精度高，颗粒小于 0.1um，截留污染能力强，使用寿命长。

### 5 / Reverse Osmosis

It is composed of reverse osmosis membrane (RO), high pressure pump and washing system to protect the reverse osmosis membrane. It can intercept substances larger than 0.0001 micron. It can effectively intercept all dissolved salts and organic substances with molecular weight greater than 100 and allow water molecules to pass through.

由反渗透膜（RO）、高压泵和清洗系统组成，保护反渗透膜。它能截获大于 0.0001 微米的物质。能有效截留所有溶解盐和分子量大于 100 的有机物，使水分子通过。

### 6 / Ultra Filtration

It's used in mineral water purification, solution separation, concentration, and extraction of useful substances from waste water, waste water purification and reuse.

超滤技术是一种广泛用于矿泉水的净化，溶液分离、浓缩，以及从废水中提取有用物质，废水净化再利用等领域的高新技术。

### 7 / UV Sterilizer

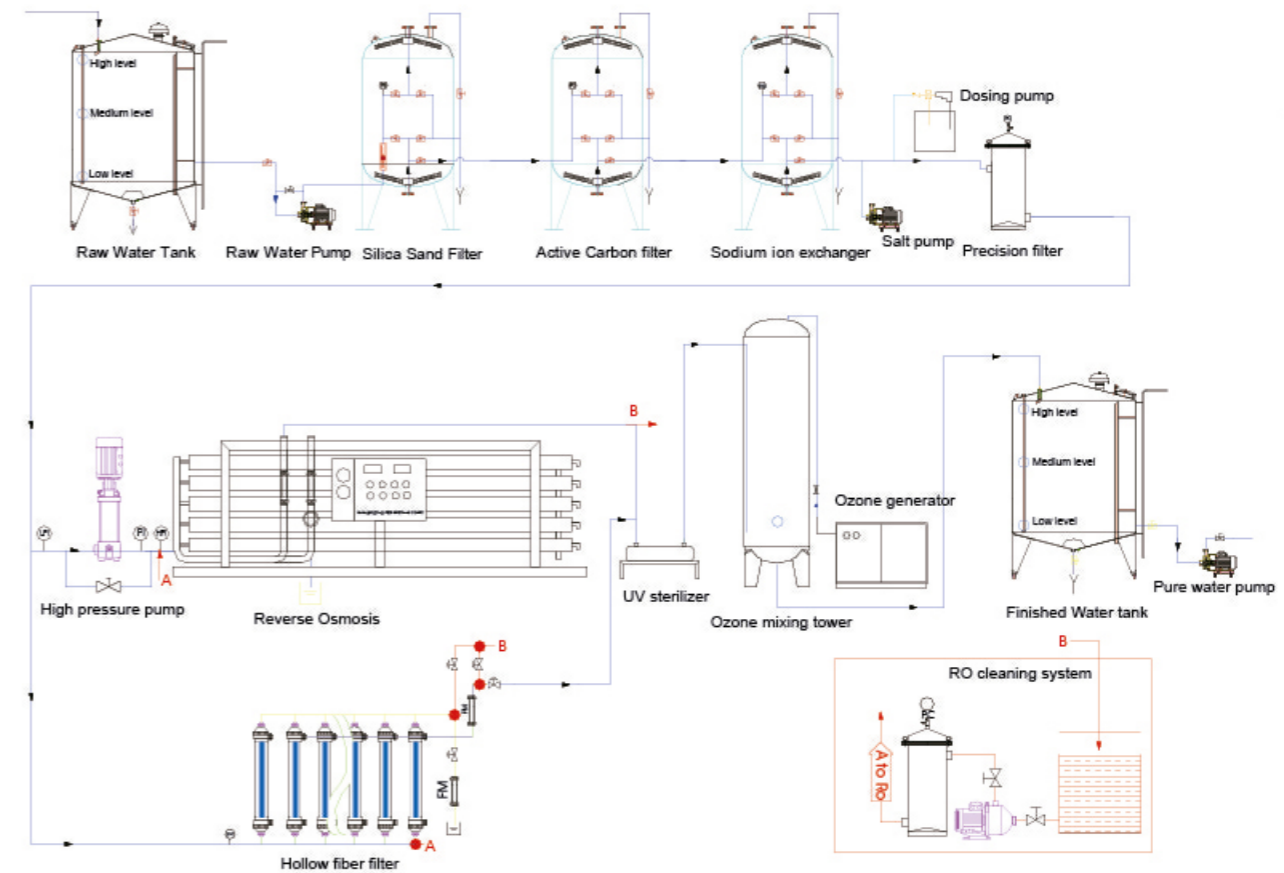
It can kill some kinds of bacteria by UV lamp. It is using ultraviolet line to sterilize the equipment.

### 8 / Ozone Mixing Tower

It is to mix ozone into water under certain pressure and time. Its function is to mix ozone in a certain pressure and time into water.

### 9 / Ozone Generator

It is to generate ozone from air or oxygen under certain pressure. In a certain pressure, it can convert oxygen into ozone.



## CGF Series 3 In 1 Water Filling Machine

纯净水三合一灌装机

**Product Introduction:**

This machine is mainly used for the filling of pure water, mineral water and other non-gas and sugar-free beverages in bottles. It is an integrated equipment for washing, filling and sealing.

**Capability Character:**

It adopts hanging type air conveyor to make change bottle model more convenient, faster and cleaner. the main machine adopts advanced PLC control technology, the key electric elements adopt international famous products or according to customer's customized.



## CGF Series 3 In 1 Water Filling Machine

纯净水三合一灌装机

本机主要用于塑料瓶装的纯净水、矿泉水等不含气不含糖的饮料灌装，是冲洗、灌装及封口一体的设备。

采用悬挂式风送，使换瓶更方便、快捷、干净。主机采用先进的 PLC 控制技术，关键电器元件采用国际知名产品或按客户定制。



**Technical Parameter**

Model	CGF8-8-3	CGF14-12-5	CGF16-16-5	CGF24-24-8	CGF32-32-10	CGF40-40-12
Capacity(500ml/bottle/h)	2000-3000	3000-4000	6000-8000	8000-12000	12000-15000	15000-18000
Suitable Bottle	PET or Glass Bottle					
Bottle Diameter	φ49—φ116mm					
Bottle Height	160-320mm					
Air Pressure	0.2-0.8Mpa					
Washing Medium	Pure water					
Washing Water Pressure	>0.06MPa ≤0.2MPa					
Rated Power	3.8KW	4.5KW	4.8KW	5.5KW	7.5KW	8.5KW
Overall size(mm)	2200*1600*1800	2400*1880*2000	2800*2200*2300	3050*2400*2300	3800*2600*2500	4000*3150*2500
Weight	2800kgs	3000kgs	4200kgs	6200kgs	7200kgs	8200kgs

## Linear Type

### Water Filling Machine For 3L to 10L

#### 3L-10L 纯净水直线式三合一灌装机

This machine is linear type, simple structure and easy to operation. This machine is mainly used for liquid filling and capping, suitable for 3-10L plastic or glass bottle.

本机为直线型, 结构简单, 操作方便。本机主要用于液体灌装压盖, 用于 3-10L 塑料或玻璃瓶。



#### Technical Parameter

Model	XGF4-4-1	XGF6-6-1	XGF8-8-3
Capacity (based on 5L)	600BPH	900BPH	1200BPH
Washing Head	4	6	8
Filling Head	4	6	8
Capping Head	1	1	3
Power(KW)	2.5	4.5	5.5
Dimension(mm)	2800*1100*1800	3500*1100*1800	4200*1100*1800

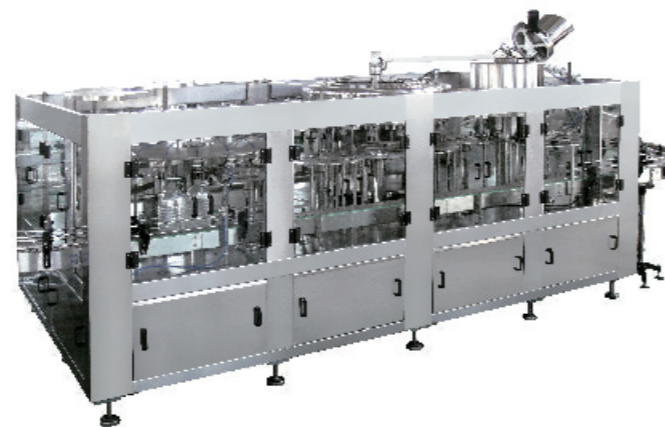
## Rotary Type 3 In 1

### Water Filling Machine For 3L to 10L

#### 3L-10L 纯净水旋转式三合一灌装机

This machine is rotary type, it adopts gravity filling technology, automatic washing, filling and capping. This machine can produce water, juice, alcohol drink and oil etc...

本机为旋转式冲洗, 灌装, 旋盖三合一, 主要用于 3L-10L 的纯净水灌装。



#### Technical Parameter

Model	XGF12-12-4	XGF16-16-5	XGF20-20-6
Capacity (based on 5L)	1000-1500BPH	1500-2000BPH	2000-2500BPH
Total power(KW)	2.2	3	4

## 5 Gallon

### Barrel Water Production Line

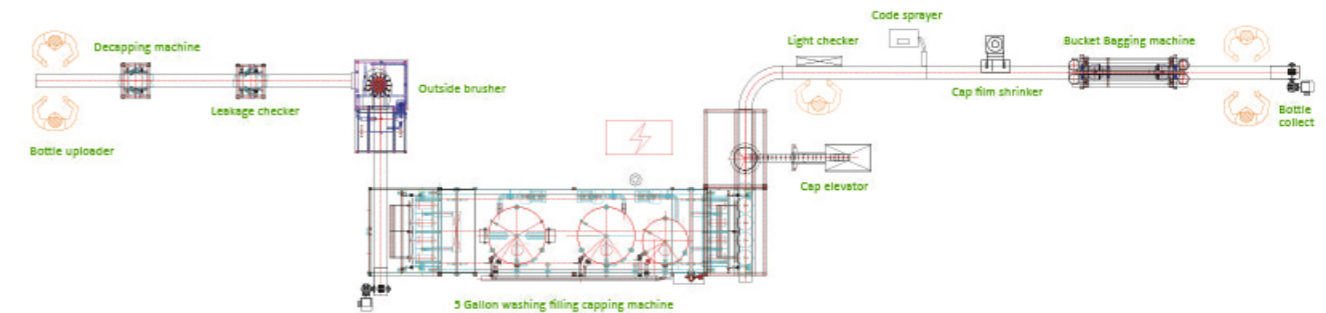
#### 5 加仑桶装水生产线

#### Product Introduction:

The production line is mainly used for 3-5 gallon barrel drinking water. It consists of three parts: washing (heating water—sterilized water—pure water), filling and sealing. This production line can be automatically washed, disinfected, filled, capped, counted and output, with complete functions, novel design, high degree of automation, it is a set of machinery, electricity, gas in one of the drinking water barrel equipment.



生产线主要用于 3-5 加仑桶装饮用水。它由三部分组成: 清洗 (热水 --- 消毒水 --- 纯水)、灌装和压盖。该生产线可自动清洗、消毒、灌装、加盖、计数、输出, 功能齐全, 设计新颖, 自动化程度高, 是一套机械、电、气一体的饮用水桶设备。



#### Technical Parameter

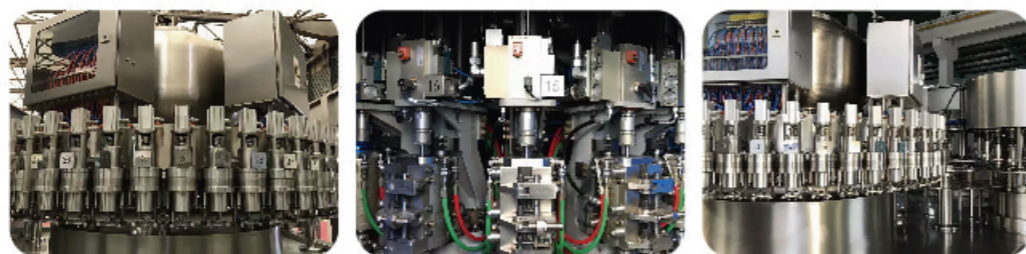
Model	QGF-120	QGF-300	QGF-450	QGF-600	QGF-900	QGF-1200
Filling Heads	1	2	3	4	6	8
Barrel Volume	3-5 Gallon					
Capacity	60-120BPH	120-300BPH	300-450BPH	450-600BPH	600-900BPH	900-1200BPH
Air pressure	0.4-0.6Mpa	0.4-0.6Mpa	0.4-0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa
Air consumption	0.37m3/min	0.6m3/min	0.8m3/min	1m3/min	1.5m3/min	1.8m3/min
Motor Power	1.5KW	3.8KW	5.5KW	7.5KW	9.75KW	13.5KW
Weight	680kgs	1500kgs	2100kgs	3000kgs	3500kgs	4500kgs

## Blowing- Filling-Capping Combiblock

吹灌旋一体机

### Product Introduction:

Alps High-speed Blowing-filling-capping Combiblock combines the blowing system, filling system and capping system in one integrated system, reducing several intermediaries such as transmission, empty bottle handling and storage processes, which improves packaging hygienic condition and reduces packaging cross-contamination so as to improve the overall operating efficiency but lower the energy consumption, thereby reduces the overall production cost of enterprises.



## Blowing- Filling-Capping Combiblock

吹灌旋一体机

奥倍斯高速吹灌旋一体机，是集吹瓶、灌装及旋盖解决方案于一体的集成系统，减少了传送、空瓶处理、堆积和存储工序等中间环节，改善了包装卫生条件、降低交叉污染，提高了整体运转效率，同时能耗大幅下降，从而降低饮料生产企业的综合生产成本。

### Applications:

It is applied to PET bottled pure water, carbonated soft drink, juice, liquid dairy, liquid condiment and household & personal care products, etc.

Production capacity from 12,000 BPH to 80,000 BPH.

### 产品适用范围:

适用于 PET 瓶包装的纯净水、碳酸饮料、果汁、茶、液态奶、液态调味品及日化用品等  
生产能力从 12000 瓶 / 小时到 80000 瓶 / 小时



## Automatic Sleeve Labeling Machine

全自动套标机



Technical Parameter:

Model	SLM-150B	SLM-250B	SLM-250D
Labeling heads	1	1	2
Capacity(500ml/bottle/min)	0-150	150-250	150-250
Rated Power	2KW	2.5KW	3.5KW
Suitable Bottle Diameter	φ48-96mm		
Suitable Label Height	30-250mm		
Label Thickness	0.03-0.13mm		
Applicable internal diameter of paper tube	5" -10" mm(Adjustable)		
Machine Size	2000*850*2000mm	2000*850*2000mm	3000*1200*2070mm

## Automatic Hot Glue Labeling Machine

全自动热熔贴标机

This machine is suitable for labeling all kinds of drinks and daily chemicals. It adopts PLC program control and photoelectric output. It has the advantages of high output, accurate labeling, convenient operation and wide application range.

本机适用于各种饮料、日化用品的贴标。采用 plc 程序控制，光电输出。它具有产量高、标记准确、操作方便、适用范围广等优点。



Technical Parameter:

Model	HGL-06	HGL-12	HGL-18	HGL-24
Labeling heads	6 heads	12 heads	18 heads	24 heads
Capacity	6000bph	12000bph	18000bph	24000bph
Labeling precision	±1mm			
Max label height	200mm (standard width, can be adjusted )			
Max label diameter	600mm			
Paper core hot melt	152mm			
Weight	1800kgs	2000kgs	2300kgs	2500kgs

## Automatic Cold Glue Labeling machine

浆糊贴标机

Technical Parameter:

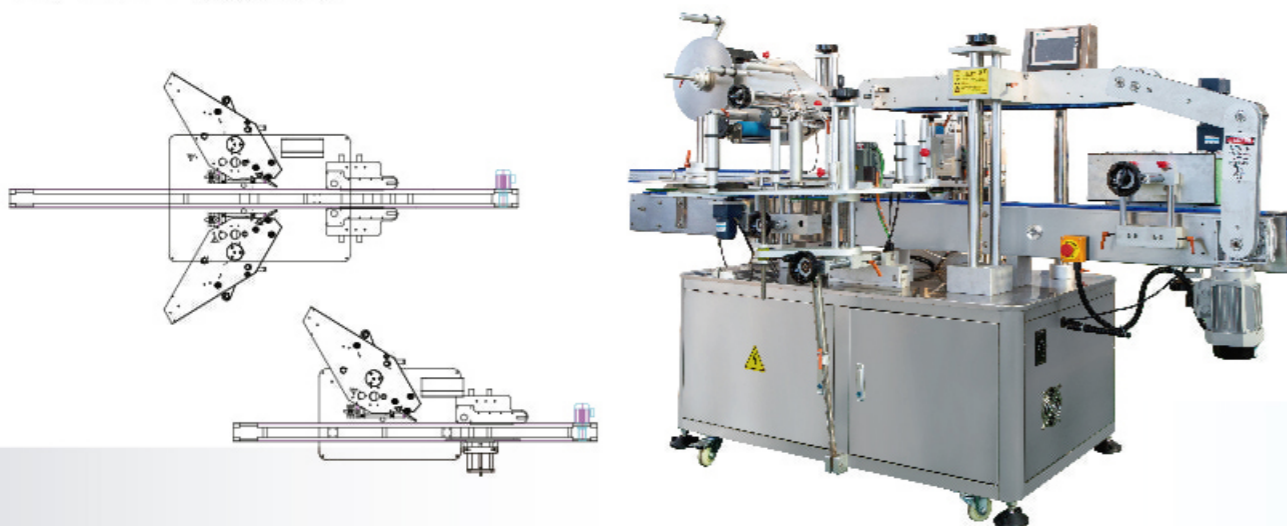
Model	JH6-4-3JSB	JH12-8-6JSB	JH18-18-6JSB
Capacity	6000bph	12000bph	20000bph
Label type	Neck label / Front label / Back label		
Total power	3kw	4kw	5.5kw
Sizes	2.2*1.72*1.9m	2.2*1.85*1.9m	2.4*2.3*2.1m



## Automatic

### Self-adhesive Labeling Machine

全自动不干胶贴标机



**Technical Parameter:**

Model	TBJ-50A	TBJ-50B
Label side	Single side	Double sides
Capacity	12-38meters/min	12-25meters/min
Label length	10-300mm	10-250mm
Overall size	1800*1000*1500mm	2400*1300*1400mm
Weight(kg)	420kgs	500kgs

## Semi-automatic

### Film Wrapping Machine

半自动膜包机



**Technical Parameter:**

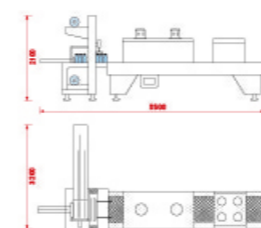
Model	WP-50S
Capacity	2~5bags/min
Heater power	20kw adjustable
Max package sizes	L450xW270xH330mm
Min packing sizes	L250xW60xH140mm
Conveyor loading	30KG max
Machine weight	400kg
Dimension	4000*820*1680mm

## WP Series

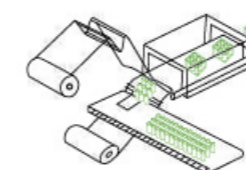
### Automatic Shrink Wrapping Packing Machine

WP 系列自动收缩包装机

Schematic drawing of packing machine



The packing production flow drawing



**Technical Parameter**

Model	WP-150A	WP-350A
Machine Type	L type	Linear type
Capacity	8-12 cases/min	18-20 cases/min
Conveyor Belt Width	304mm	620mm
Sealing and Cutting Time / Temperature	0.5-1.5s 160-260℃	0.5-1s 180-260℃
Max Package Size	420*280*350mm	420*280*350mm
Thermal Shrinkage Tunnel Size	1800*650*400mm	2400*650*450mm
Overall Dimension	5050*3300*2100mm	14000*1100*2100mm
Air Pressure	0.6-0.8Mpa	0.6-0.8Mpa
Working Power	22KW	30KW
Weight	1500kgs	2500kgs

## Linear

### Shrink-wrapping Packing Machine

全自动直线式收缩膜包装机



## Cardboard Wrapping Machine

### 纸板包装机

#### Product Introduction:

This machine is suitable for PET, PP bottle, glass bottle and Lile bag. It is easy to change the bottle type and suitable for various combination packaging methods. Bottle feeding is designed with plastic-steel mesh conveyor and sorting machine, which can be divided into six rows, five rows or four rows according to need. By using the principle of machine arm, the paper and products can reach the location point, and the products can be lightly dropped on the paper, so that the structure of the machine is more reasonable, lighter and stable.



Compared with the traditional model, this model has reasonable design and saves space. Imported hot melt glue equipment is adopted to make the operation more convenient and concise, and the equipment is durable. The equipment packed by it has beautiful appearance and convenient storage and transportation.

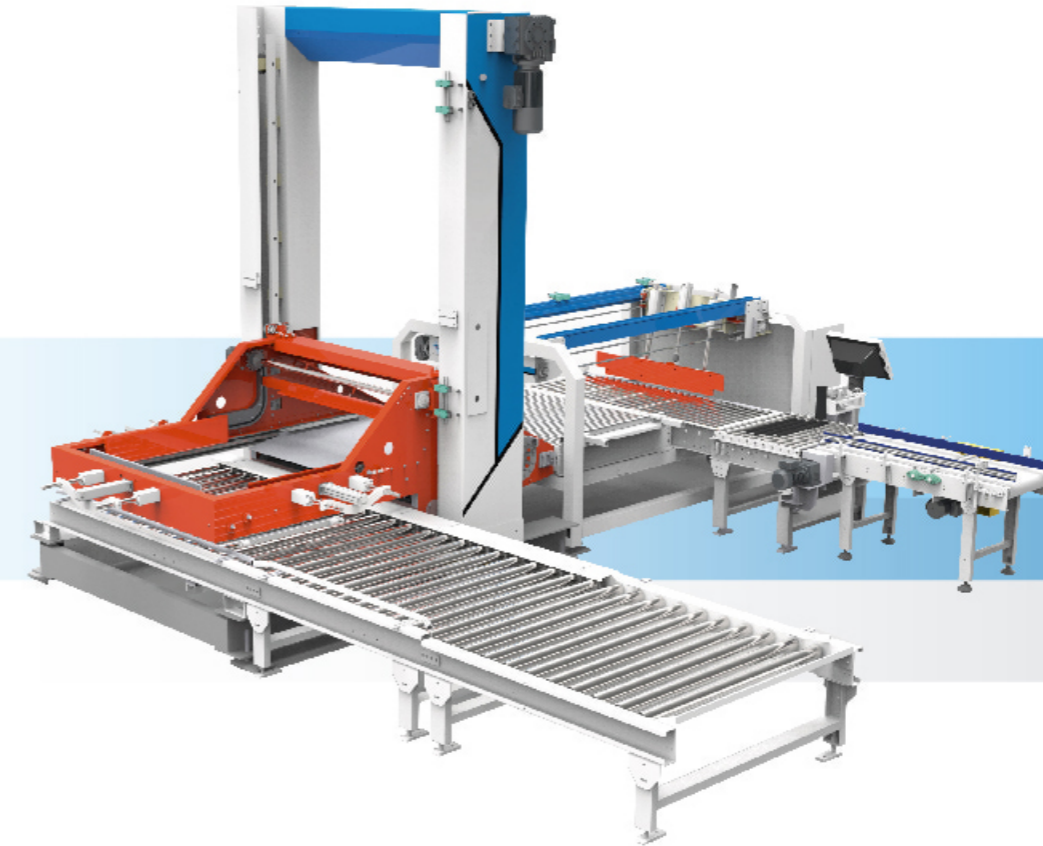
本机适用于 PET、PP 瓶、玻璃瓶及利乐包，变换瓶型容易，且适合多种组合包装方式。进瓶采用塑钢网型输送分列机设计，排列整齐，可依据需要分为六排、五排或四排进瓶。采用机器臂原理，使纸张与产品到达定位点，并使产品轻落于纸上，使本机器的结构更合理，更轻便平稳。本机与传统机型相比设计合理，节省空间。采用进口热熔胶设备，使操作更加方便简洁，设备经久耐用。经它包装的设备外形美观，贮运方便。

#### Technical Parameter:

Cardboard form	Pre-cut Flat Cardboard	Outside Surface of Kraft Paper	120 ~ 180 g/sqm
Cardboard Plate	Horizontal	The inner surface kraft paper	130~ 150 g/sqm
Rated Power	8KW	Glue Type	Mixed Chemical Glue(+/- 120 gr/m <sup>2</sup> )
Air Pressure	0.6 ~ 0.8Mpa	Hot Glue Temperature	150℃~180℃
Air Consumption	1000NL/min	Melting Point	120 degrees
Size	6500*2750*2180mm	Interval Time	1 ~ 2 seconds
Weight	2800kg	Clotting Time	1 ~ 2 seconds

## Palletizer

### 码垛机



#### 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.

#### 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。



## Automatic Blow Molding Machine

全自动吹瓶机



### Technical Parameter:

Model	ABM-2AL	ABM-4AL	ABM-6A	ABM-6AL
Capacity(500ml/bottle/h)	1800-2000	3500-4000	5500-6000	5000-5500
Max Volume	2L	2L	6 cavities for 600ml 3 cavities for 1.5L	2L
Max Neck Diameter	38mm	38mm	38mm	38mm
Max Bottle Diameter	108mm	108mm	70mm	108mm
Cavity	2	4	6	6
Total Power	32KW	43KW	65KW	79KW
Running Power	20KW	22KW	35KW	55KW
Working Pressure	1.0Mpa	1.0Mpa	1.0Mpa	1.0Mpa
Low Pressure Air Consumption	1.6m <sup>3</sup> /min	1.6m <sup>3</sup> /min	2m <sup>3</sup> /min	2m <sup>3</sup> /min
Blowing Pressure	≤3.0Mpa	≤3.0Mpa	≤3.5Mpa	≤3.5Mpa
High Pressure Air Consumption	2.4m <sup>3</sup> /min	3.6m <sup>3</sup> /min	4.8m <sup>3</sup> /min	8.0m <sup>3</sup> /min
Machine Size	3.8x1.4x1.9m	4.5x1.6x1.9m	4.75x2.05x2.1m	5.5x2.3x2.3m
Machine Weight	3000kgs	3500kgs	5500kgs	6500kgs

## Full Electric Blow Molding Machine

全电动吹瓶机

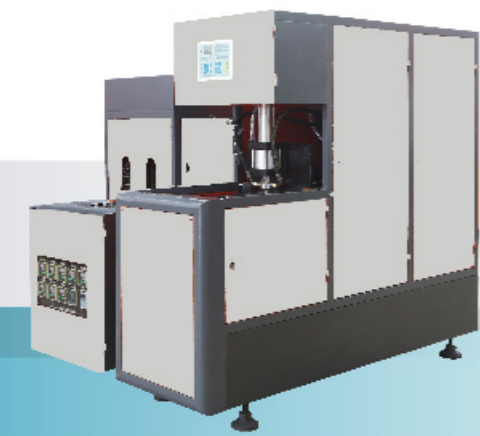


### Technical Parameter:

Model	ABM-4EL	ABM-6E	ABM-6EL	ABM-9E
Capacity(500ml/bottle/h)	5500-6000	9000-9600	8000-8500	11000-12000
Max Volume	2L	6 cavities for 600ml 3 cavities for 2L	2L	9 cavities for 600ml 4 cavities for 1.5L
Max Neck Diameter	38mm	38mm	38mm	38mm
Max Bottle Diameter	108mm	68mm	108mm	68mm
Cavity	4	6	6	9
Total Power	88KW	80KW	98KW	98KW
Running Power	50KW	45KW	65KW	65KW
Working Pressure	1.0Mpa	1.0Mpa	1.0Mpa	1.0Mpa
Low Pressure Air Consumption	/	/	/	/
Blowing Pressure	≤3.5Mpa	≤3.5Mpa	≤3.5Mpa	≤3.5Mpa
High Pressure Air Consumption	3.6m <sup>3</sup> /min	8.0m <sup>3</sup> /min	8.0m <sup>3</sup> /min	9.6m <sup>3</sup> /min
Machine Size	4.2x2.5x2.8m	4.2x2.1x2.2m	5.0x2.1x2.6m	5.5x2.3x2.3m
Machine Weight	5500kgs	5500kgs	8000kgs	9500kgs

## Semi-automatic Blow Molding Machine

半自动吹瓶机



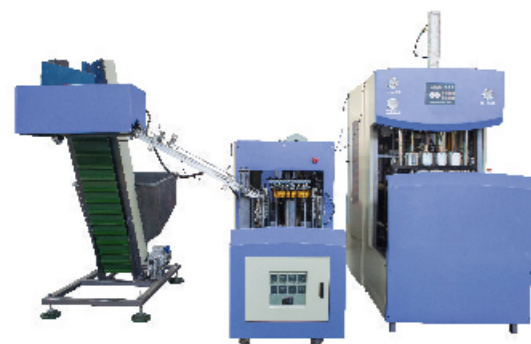
Technical Parameter:

Model	SBM-8Y1	SBM-9A	SBM-9B	SBM-12
Machine type	One Heater + One Blower			
Cavity	2	1	1	1
Bottle volume	0.2-2L	2-5L	5-10L	10-20L
Capacity(500ml/bottle/h)	600-800	400-600	200-400	60-120
Rated Power	15KW	18KW	22KW	40KW
Weight	780	1150	1000	1380



Technical Parameter:

Model	SBM-8Y
Machine type	One heater+two blower
Cavity	2 + 2
Capacity(500ml/bottle/h)	1200-1600
Bottle Volume	0.1-2L
Max Diameter	Φ110*320mm
Rated Power	18KW
Weight	1000kg



Technical Parameter:

Model	SBM-S4
Machine Type	One Heater + One Blower
Number of Cavities	4 Cavities
Capacity (500ml/bottle/h)	1800-2000
Bottle Volume	0.2-2L
Total Power	18KW
Weight	1300kg

## Automatic Injection Molding Machine

全自动注塑机



PET Preform

Handle & Cap

Pipe fittings

Plastic baskets

Switches & plugs

Technical Parameter:

Model	Unit	INM-1800		INM-2600		INM-3850		INM-4500		INM-5500	
INJECTION UNIT		A	B	A	B	A	B	A	B	A	B
Screw diameter	mm	45	48	54	56	63	65	73	75	85	90
Shot size(theoretical)	Cm <sup>3</sup>	372	420	720	770	1120	1192	1590	1680	2418	2710
Shot weight	g	335	378	650	690	1008	1072	1430	1512	2200	2466
Injection pressure	Mpa	168	148	190	178	175	165	160	152	167	149
Injection rate	g/s	142	160	200	215	320	340	358	378	482	541
Screw L/D ratio	L/D	23.1	21.7	22.5	21.6	22.7	22	21.2	20.6	21	19.8
Screw speed	r.p.m	0-180		0-180		0-160		380		0-150	
Nozzle Diameter	Smm	20		20		20		0-180		20	
CLAMPING											
Clamp tonnage	KN	1800		2600		3850		4500		5500	
Toggle stroke	mm	440		530		660		700		820	
Mould Thickness	mm	180-470		200-550		280-680		280-710		350-820	
Space between tie-bars	mm	480X460		554X554		680X680		720X720		810X810	
Ejector stroke	mm	155		160		160		160		210	
Ejector tonnage	KN	70		70		80		85		150	
Ejector number	Piece	5		9		13		13		13	
Hole Diameter	mm	125		160		160		160		200	
OTHERS											
Heat power	KW	11		15.5		17.5		20.5		33	
Max. pump pressure	MPa	16		16		16		16		16	
Pump motor power	KW	15		25		30		37		55	
Valve Size	mm	16		16		25		25		Cartridge Valve	
Machine dimension	m	5.3X1.6X1.75		6.1X1.7X1.8		7.0X2.2X2.0		7.3X2.3X2.4		8.6X2.2X2.7	
Machine weight	t	5.5		8		11.5		13.8		23	
Oil tank capacity	L	250		350		400		450		1000	