



# GUANHE MACHINERY

交钥匙工程整线专业灌装包装设备制造商

TURNKEY PROJECT FULL LINE OF PROFESSIONAL FILLING AND PACKAGING EQUIPMENT MANUFACTURERS

丰富的**经验**

专业的**技术**

全方面的**服务**

为您提供最优的**灌装包装**方案

Rich experience  
Specilized technologies  
All-round service  
Providing you the most professional  
filling & packaging solutions



# 企业简介

## COMPANY PROFILE

广州冠和轻工机械制造有限公司是一家专业生产各类灌装机、自动理瓶机、洗瓶机、自动下盖机、自动压塞旋盖一体机、旋盖机、贴标机及专业输送带的实业公司，是集研发、生产、销售于一体的综合性企业。公司以开发生产灌装、包装机械，订制特殊灌装机械及包装机械为主导业务。

本公司座落在风景秀丽，交通便利、经济发达且文化气息浓郁的珠江三角洲核心城市——广州。本公司自成立以来，经历了世界金融风暴的洗礼、历经了全国经济出口萎缩的考验，沉淀了下来。公司始终本着“精心设计、精心制造、精益管理、精诚服务”的宗旨，坚持“客户第一，诚信至上”的经营理念，贯彻“打造冠军品质，构建和谐共赢”的质量方针，开拓进取，逐步壮大。本公司凝聚了大批资深高级工程师、训练有素技术娴熟的高级技工，拥有专业齐全的机械加工设备。冠和机械凭借多年的设计经验和专业技术，熟练完成单机到整条生产线的设计、生产、安装、调试、维护工作。冠和人能根据客户的不同需求，提供最便捷的工程方案与最合理的经济预算方案，并完成工程设计与施工，提供强有力的技术支持。锐意进取，不断创新的冠和正以它独特的魅力吸引着国内外同行及客户的关注，赢得了一致好评，产品畅销全国，远销东南亚、中东、非洲和欧美等地区。冠和机械是多家知名药厂、食品饮料厂、化妆品厂、化工厂等指定供应商产品。

本公司建立了健全的产品生产制造质量检验及质量保证体系，通过了CE认证及ISO9001质量管理体系认证。公司内部还实现了产品的3Q检测确认。本公司还是广东省质量管理协会、广东省质量检验协会的理事会员。2012年9月，“冠和”荣获灌装机十大知名品牌奖，向社会各界展示了本公司在行业内的领先地位。公司还连续多年荣获了“守合同重信用企业”荣誉证书。通过不断的研发创新，申请并取得了多项专利证书，更是荣获了国家“高新技术企业”的荣誉证书。

荣誉代表了过去的成绩，我们从不满足于现状，我们将一如既往，以最值得信赖的品质和最真诚服务来赢得顾客的肯定与信任。热忱欢迎社会各界朋友们前来我公司参观、考察、洽谈！



Guangzhou Guanhe Light Industry Machinery Co., Ltd (Guanhe Machinery or Guanhe in short) is a professional manufacturer of all kinds of filling machines, bottle washing machines, capping machines, labeling machines, packaging machine and various conveyor belts etc. Integrating development, production and sales, Guanhe Machinery has been developing & producing various light industry machineries down to earth these years. Customizing various filling machines & relative packaging equipment are always our leading business.

Guanhe is located in the core city of Pearl River—Guangzhou, which boasts with its beautiful scenery, convenient transportation, developed economy and rich cultural atmosphere. Since the establishment, Guanhe has experienced the baptism of the global financial crisis and has gone through the severe test of the national economy recession, and has precipitated & grown gradually these years. Guanhe has been relying on the idea of "Attentive Planning, Meticulous Manufacturing, Standard Management and Sincere service", conducting "Customer First, Integrity First" & carrying out the quality guideline of "Pursuing Champion Quality, Building Harmonious Win-Win". The company owns a large number of senior engineers, well-trained senior skilled technicians & a full series of professional mechanical manufacturing equipment. With decades of rich experience and expertise, Guanhe is sufficient to complete the turnkey production line design, production, installation, commissioning and maintenance etc. According to different needs from customers, we can provide the most convenient engineering programs and the most reasonable economic budget proposal, and complete the engineering construction with strong technical support. Vigorous & innovative Guanhe is attracting the attention from domestic and foreign counterparts and customers with its unique charm, and has won unanimous praise. Except domestic markets, we had vast exports to Southeast Asia, the Middle East, Africa and Europe and the United States etc. And Guanhe is a most welcome & dedicated manufacturer for many well-known pharmaceutical, food, cosmetics & daily chemical companies.

Guanhe has established a sound product manufacturing quality inspection and quality assurance system. We have adopted CE certification and ISO9001 quality management system certificate as well as getting product's 3Q testing confirmation. We are also the member of "Guangdong Provincial Association for Quality Management" and "Guangdong Provincial Association for Quality Inspection". Guanhe won the "Top Ten Famous Brand Filling Machine" awards in September 2012, and many times the name of "Contract First, Credit First Enterprise". By continuous developing & innovation during these years, we have applied and gained many patented technology certificates, and also awarded "the National High-tech Enterprise", and presented its leading position in light industry field.

Honor represents the past achievements; Guanhe never satisfies the current state, and we will continue doing our best and providing our most trustworthy products & most sincere service to win clients' acceptance & support. Guanhe warmly welcomes all clients & friends home and abroad to visit our company, and establish business relationship.

# 办公环境

## OFFICE ENVIRONMENT



# 卓越管理

## PROMINENT MANAGEMENT

冠和机械在不断发展过程中，建立完善的现代企业管理制度，内部各机构资源优化，合理配合，分工合作，协调统一，已形成一个高效运行的管理工作团队。完善的制度结构，高效、严谨的运行机制，良好的管理决策和稳健的业务发展的坚实基础。广纳英才，全面推行“能者上、平者让、庸者下”的人才竞争机制，使公司永葆青春。

During the continuous development, Guanhe Machinery has established a thorough modern enterprise management system with optimized resources, reasonable coordination, precise labor division and unified cooperation of all organizations in the enterprise, forming an efficiently operated management team. Perfect system structure and highly efficient and strict operation system are the solid foundation of sound management decision and stable business development of the enterprise. Guanhe Machinery chooses employees based on capacity. By promoting the competition mechanism of "using the capable ones, replacing the average & removing the mediocre", Guanhe is embracing all talents to keep itself vigorous all the way.



# 厂房环境

WORKSHOP ENVIRONMENT



# 资质证书

## HONOR AND CERTIFICATES

多年来，冠和机械秉承“诚信、品质、技术、服务”的经营理念，严格执行ISO9001国际质量管理体系的管理制度。坚持以质量为企业的生命，坚持变革创新确保企业永远充满活力，给未来发展创造更多机会，也得到社会各界的认可。

For years, by adhering to the management conception of "sincerity, quality, technology and service" and strictly implementing ISO9001 international quality management system, Guanhe Machinery regards quality as the life of the enterprise, insists on the tenet that reform and innovation guarantee the enterprise to be permanently vigorous, and creates more opportunities for future development and receives wide recognition from all sectors of society.



# 生产与装备

## PRODUCTION AND EQUIPMENT

冠和运用精良的生产装备、崭新的工业概念及强大的技术力量，生产出符合国际标准的高品质终端产品，从而加快了企业的产业化速度。生产工具是生产力发展水平的标志，先进的生产设备代表了先进的生产力。

Guanhe produces high quality products that are in accordance with international standards by adopting fine production equipment, brand new industrial concept and powerful technical strength, so as to accelerate the industrialization speed of the enterprise. Production facility is the sign of productivity level. Sophisticated production facilities represent the advanced productivity.



完美的品质  
取源于制造设备的先进  
PERFECT QUALITY RELIES  
ON ADVANCED MANUFACTURING



# 部分合作伙伴 PART OF THE PARTNERS

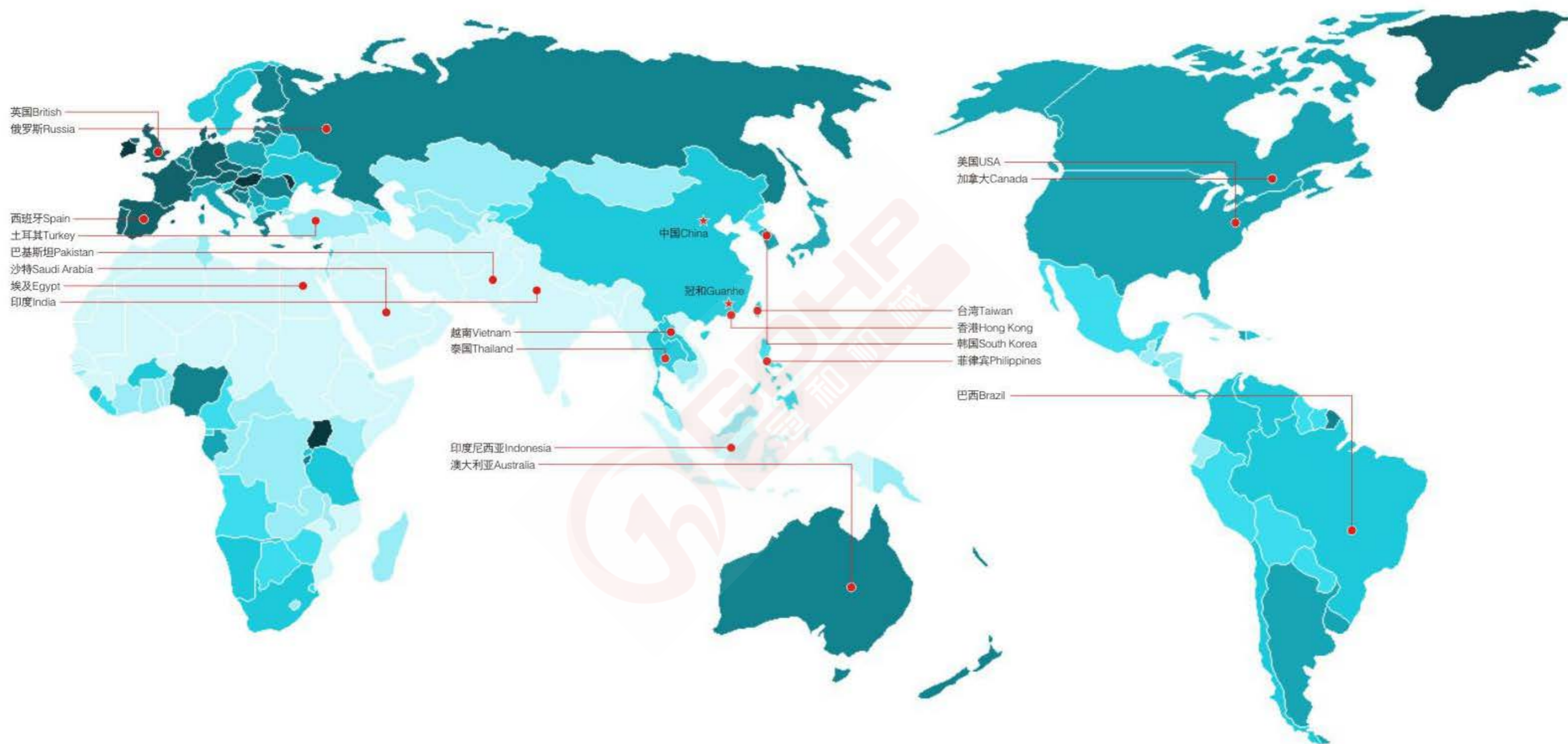
广大忠实的客户，是冠和机械赖以生存的基石。“诚信、品质、技术、服务”是冠和机械信奉的经营理念，与客户共同进步则是我们追求的目标。多年来，本公司始终坚持灵活多样的市场营销策略，积极开展以客户为中心的营销策划工作，实施地区销售战略。

Our faithful customers are the base of Guanhe Machinery to survive. "sincerity, quality, technology and service" is the marketing concept Guanhe Machinery always abides by, and it is our goal to seek for mutual progress with customers. Over the years, by consistently adhering to diversified marketing strategies, our company is actively developing marketing activities revolving around customers and executing the regional sales strategy.



# 销售网络

## SALES NETWORK



冠和机械视品牌价值和企业形象为生命线，而这条生命线最根本的又在于客户对我们产品和服务的肯定。冠和机械经过多年的发展，始终位于轻工业机械技术的前列。冠和坚持以真取信、以诚待人、重德重义、互信方可互利的原则，为客户提供最佳的轻工业机械设备，并畅销国内外。

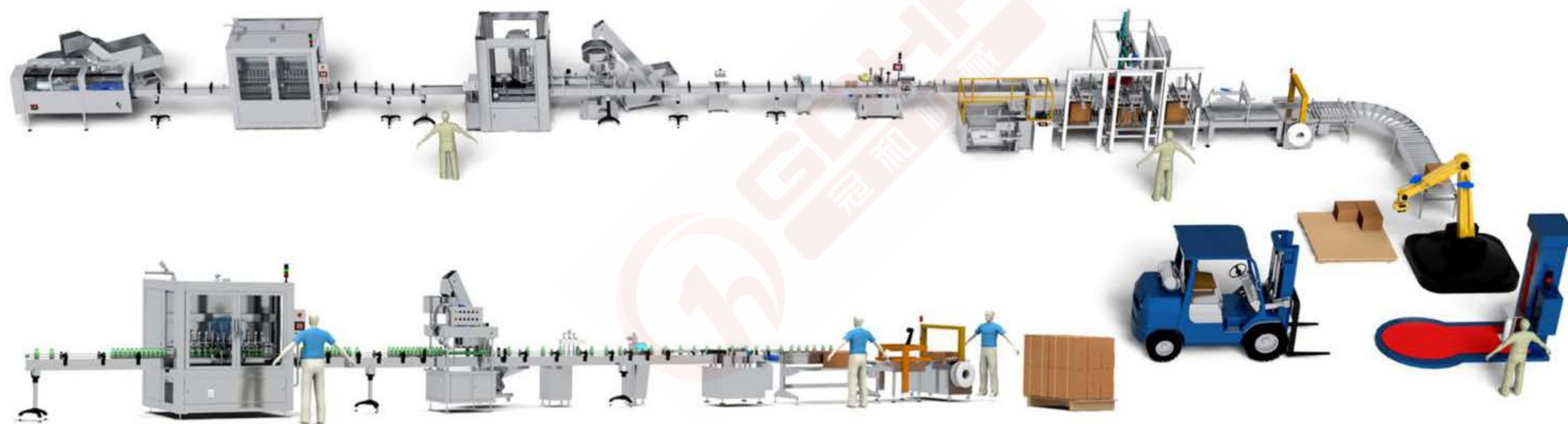
Brand value and enterprise image are the lifeblood of Guanhe Machinery, and the lifeblood fundamental is surely the customers' acceptance to our products & service. Guanhe Machinery is always the top of light industry machinery technology during these years. Sticking to the principle of seeking truth, Conducting sincerity and mutual trust, Guanhe Machinery is always and will continue doing best to supply the best light industry equipment home and abroad.

# 全自动灌装包装生产线系列

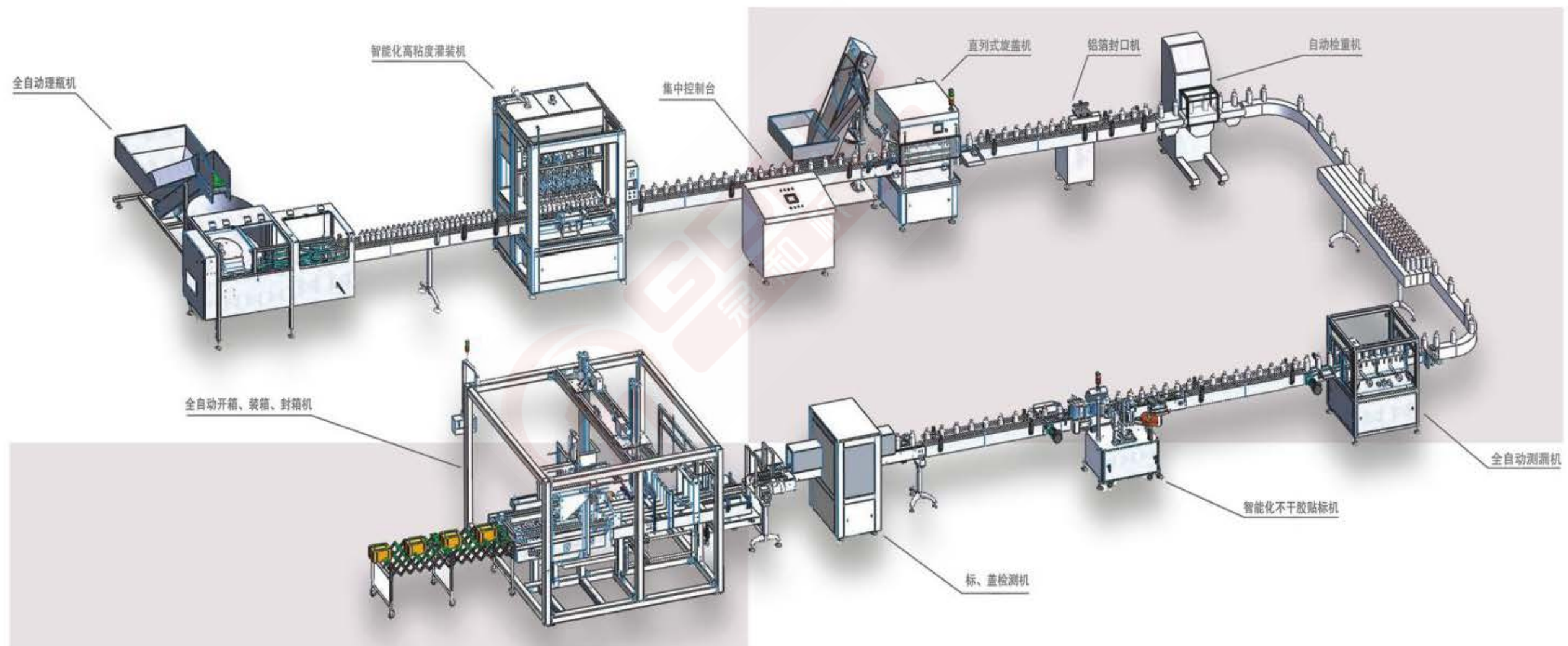
AUTOATIC FILLING PACKAGING PRODUCTION LINE SERIES

专业为您定制各类灌装包装及配套设备

Professionally customizing various filling & packaging proposal & equipment for you



提供食品，化妆品，医药，日化，化工等行业各类产品的灌装包装的整线解决方案  
Providing overall filling packaging solution in food, cosmetics, pharmaceuticals, daily chemicals industries etc



# 自动瓶装生产线

## AUTO BOTTLE FILLING LINE

### GHAPL

#### 自动直列式液体灌装旋盖生产线

#### Auto linear bottle liquid filling capping production line

##### 产品介绍 Introduction

本系列灌装生产线是我司集多年经验设计制造的高性能高性价比产品。集机电气于一体，适用于各种液体和粘稠液体，膏体，含颗粒物料的灌装和包装，广泛应用于食品，饮料，化妆品，日化，医药等行业产品的生产。

This series of filling capping lines is one of our most high-performance & highly-efficient products. Combined with our years rich experience, integrated electricity, mechanism & pneumatics, it's suitable for various bottle auto package, widely used for various liquid, cream & paste filling in foodstuffs, drinks, cosmetics, pharmaceuticals, daily chemicals fields etc.



## GHAPL 自动直列式液体灌装旋盖生产线 Auto linear bottle liquid filling capping production line

### 主要性能 Main features

- ◆ 采用伺服活塞灌装，灌装精度高，拆装清洗维护方便；据物料和包装特性，也可选用自流，溢流，称重，流量计，泵式灌装方式等。
- ◆ 直线式进出瓶，人性化设备设计，不需更换零配件，即可快速简单的调整设备适用于不同形状规格的瓶子，通用性强；
- ◆ 灌装量可直接在触摸屏设置。
- ◆ 灌装速度调整简单，设有无瓶不灌装功能；可自动感应补料，保证灌装的稳定持续；灌装嘴带防滴漏装置，保证灌装无滴漏和拉丝，不污染瓶体。
- ◆ 灌装配备一键清洗功能，可根据生产要求实现CIP在位清洗，方便维护。
- ◆ 多功能旋盖系统适用各式螺纹盖，泵头及镀锌盖等，不同瓶型生产调节方便，旋盖松紧可调，不伤瓶与盖。
- ◆ PLC控制系统，人机界面操作，变频调速，自动计数，使用简单，方便连线生产，自动化程度高。
- ◆ 采用世界知名电气品牌，如西门子，斯耐德电器，亚德克，费斯托气动元件等，故障率低，性能稳定可靠，使用寿命长；
- ◆ 整线主要采用优质不锈钢304/316制造，拆装简单，易清洗，符合GMP生产要求，整机美观大方，经久耐用。
- ◆ 设计制造均可按照CE标准执行
- ◆ Adopting servo piston filling, with high filling precision & easy to disantle & maintain. There are gravity-type filling, overflowing-filling, weighing-type filling & pump type filling as option for different packages & materials.
- ◆ With humanized design & linear bottle-enter-exit, easy & quick to adjust whole system to meet different bottles production.
- ◆ Filling volume can be adjuted directly via touch screen;
- ◆ Filling speed is easy to control, no bottle no filling. With auto liquid supply system to meet continous filling & anti-drip filling nozzles to ensure no dripping.
- ◆ Filling is designed with one-button washing function, & can meet CIP online washing if required.
- ◆ Multifunctional capping system is suitable for various threaded caps, like flip caps, spray pump caps, & 3/4-circle caps etc, easy to adjust to meet different bottles, capping force is adjustable, no damage to bottles & caps.
- ◆ With PLC, touch screen to operate, inverter speed controlling, auto counting & with formula saving.
- ◆ All moving parts or electrical, or pneumatic parts are world-famous brands, which ensures the stable & durable running.
- ◆ Mainly made from top-quality stainless steel 304/316, all steel parts contacting liquid are stainless steel, delicate & durable.
- ◆ Can be designed & made strictly based on CE standards.

### 主要参数 Main parameters

型号	Model	GHAPL-1500	GHAPL-2500	GHAPL-4500
灌装范围	Filling scope	10-100ml / 100-1000ml / 500-5000ml		
灌装头数	Filling nozzle	2-nozzle; 4-nozzle	4-nozzle; 6-nozzle	8-nozzle; 12-nozzle
旋盖匹配	Capping choose	Multifunctional capper	Multifunctional capper	High-speed capper
产量	Capacity	800-1500BPH	1500-2500BPH	2500-4500BPH
灌装误差	Filling error	≤ ± 1%		
电压	Voltage	220V/380V 50/60HZ 3-6KW		
气压	Air pressure	0.4-0.6Mpa		

# 自动瓶装生产线

## AUTO BOTTLE FILLING LINE

### GHAPL

#### 定制型自动瓶装液体灌装线

#### Customized bottle liquid filling capping line

##### 概述 Introduction

此全自动药液灌装线是按客户瓶型及产量定制，可自动实现塑料瓶的提升、理瓶，盖子提升、整理、组装，液体灌装，下盖旋盖，瓶体稳定过渡，称重检测，瓶底喷码及套标缩标等。整个动作由PLC控制，稳定流畅。

This auto bottling line is customized based on client's product & capacity, which can auto finish the lifting-unscrewing of supplied bottles & caps, bottle filling, cap filling, capping, online weight checking, bottom ink printing & bottle sleeving shrinking etc. The whole movement is controlled via PLC, very stable & smooth.

##### 主要特点 Main features

- ◆采用高精度活塞泵+伺服控制灌装，灌装精度高，泵的结构采用快拆卸机构，便于清洗消毒，省时省力。
- ◆灌装量可直接在触摸屏上设置，灌装调节范围大，操作方便。
- ◆集机电气于一体，可自动实现瓶子盖子的自动提升整理灌装及旋盖生产，自动化程度高，人性化的设计确保生产稳定高效。
- ◆灌装生产配备百级层流罩，一体化的设计，不仅保证了灌装旋盖的精确快速，且占地面积小，外形美观大方，符合GMP要求。
- ◆采用高精在线称重检测机，检测精度高达0.01g。
- ◆同步带实现瓶体的连续在线底部喷码射标，经济稳定。
- ◆主要采用优质不锈钢及加重铝型材制作，物料接触部分的不锈钢均采用优质316制作；设备严格按CE及GMP标准生产执行，安全稳定，美观耐用。

- ◆Adopting servo piston filling, with high filling precision; pumps adopting quick-release structure, easy to dismantle & maintain.
- ◆Filling volume can be adjusted directly via touch screen, with large adjusting scope, convenient to operate.
- ◆Integrating electricity, mechanism & pneumatics, it can finish auto lifting-unscrewing-filling of supplied bottles & caps, and then the servo capping. The humanized design makes it very stable & reliable to ensure high-efficient production.
- ◆Equipped with 100-class laminar flow hood, the monoblock design ensures the accurate filling capping production, also with less space-taking, it's very delicate & easy to maintain, totally meeting GMP standards.
- ◆Adopting high-precision online weight checker, the weighing error can upto 0.01g.
- ◆Designed with simultaneous belts to do online bottom ink printing, reliable & economical.
- ◆Mainly made from top-quality stainless steel & alumi alloy, all steel parts contacting liquid are SUS316; designed & made strictly based on CE & GMP standards, safe & stable, delicate & durable.

##### 主要参数 Main parameters

灌装头数	Filling nozzle	4 nozzles
灌装范围	Filling scope	10-100ml
产量	Capacity	30-40BPM
工作气压	Air pressure	0.4-0.7MPa
工作电压	Voltage	220V 50/60Hz 1P 10KW



# 自动瓶装生产线

AUTO BOTTLE FILLING LINE

## 全自动玻璃瓶洗瓶理瓶调配灌装洗瓶旋盖生产线

Glass bottle cleaning bottle allocation filling bottle washing screw cap production line

### 概述 Introduction

此线是我司借进国外先进技术，自行研制开发的新一代灌装线；采用蠕动泵式的灌装方式，无阀门与密封件，是果汁、药液、药剂、精油、消毒水等或具有腐蚀性的物料灌装首选，此设备有良好的密封性能和自吸能力，可防止物料回流；采用多头灌装头，灌装精度高且便于操作；具有缺瓶不灌装，自动计数功能；灌装过程通过设备上的触摸屏即可完成对灌装量、灌装头数的设定而自动灌装，其过程基本实现一键式的操作。此线有自动理瓶出瓶机—自动洗瓶-自动蠕动泵灌装机-提升式上盖机-自动旋盖机-自动铝箔封口机连动成线，实现了自动化工作流程。

◆适合对象：液体肥料、植物营养液、玻璃水、消毒水、消毒液等液体物料

This line is our company borrowed foreign advanced technology, self-developed a new generation of filling line; Using peristaltic pump filling method, no valves and seals, is the first choice for filling juice, liquid medicine, pharmaceutical, essential oil, disinfectant water, etc., or corrosive materials, this equipment has good sealing performance and self-priming ability, can prevent material reflux; Multi-head filling, high filling precision and easy to operate; With a lack of bottles do not fill, automatic counting function; The filling process can be automatically filled by setting the filling amount and the number of filling heads through the touch screen on the device, and the process basically realizes one-click operation. This line has an automatic bottle out machine - automatic bottle washing - automatic peristaltic pump filling machine - lifting capping machine - automatic capping machine - automatic aluminum foil sealing machine connected to the line, to achieve an automatic workflow.

◆Suitable for: liquid fertilizer, plant nutrient solution, glass water, disinfectant water, disinfectant and other liquid materials



# 自动瓶装生产线

## AUTO BOTTLE FILLING LINE



### 全自动果汁气洗灌装旋盖生产线

#### Fruit juice blowing bottle filling screw cap production line

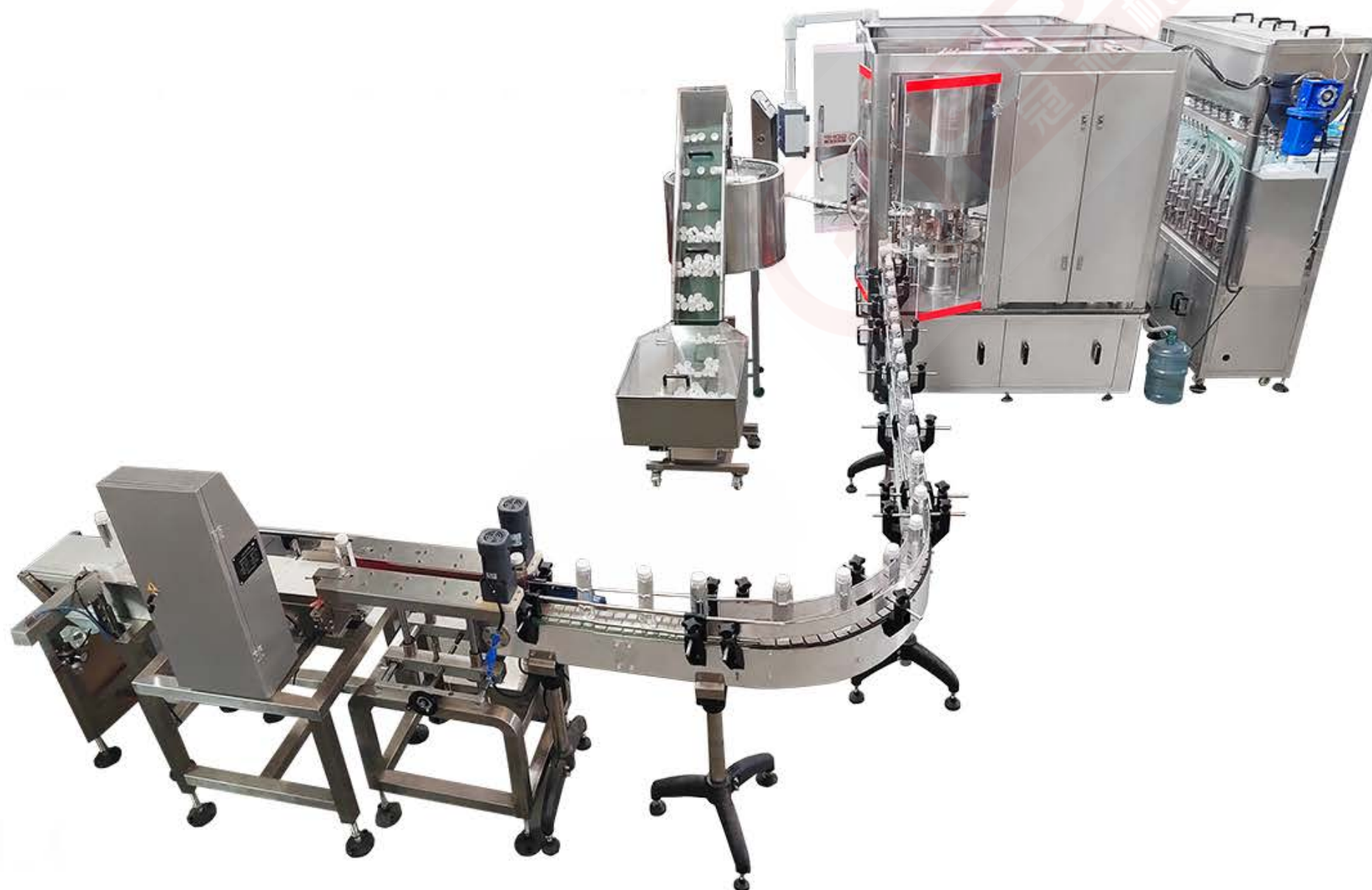
#### 概述 Introduction

此全自动果汁灌装线是按客户瓶型及产量定制，可自动实现带颗粒果汁塑料瓶气洗，跟随式灌装颗粒果汁，下盖旋盖，瓶体稳定过渡，称重检测等。整个动作由PLC控制，稳定流畅。

This automatic juice filling line is customized according to the customer's bottle type and output, which can automatically realize the plastic bottle with pellet juice gas washing, follow the filling of pellet juice, screw the cap, stable transition of bottle body, weighing detection.

#### 主要参数 Main parameters

灌装头数	Filling nozzle	10 nozzles
灌装范围	Filling scope	300-1000ml
产量	Capacity	60-80BPM
工作气压	Air pressure	0.4-0.7MPa
工作电压	Voltage	380V 60Hz



# 自动热灌装冷却生产线

## AUTO HOT FILLING COOLING LINE

### 自动汽车蜡/鞋蜡灌装生产线(清凉油, 凡士林, 香膏等) Auto car wax/shoe polish filling production line (balm & ointment production)

#### 概述 Introduction

- ◆全自动汽车蜡灌装线是我司集多年经验研发及改良之新产品, 设计人性化, 拥有国家专利证书, 可自动实现理瓶进瓶, 自动灌装, 自动冷却, 自动出瓶, 人工上海绵垫旋盖包装等。也可据生产要求实现自动上垫封盖包装等。整个动作由PLC控制, 稳定流畅。
- ◆适用性强, 方便调节适用不同瓶型生产, 广泛用于各类汽车蜡, 发蜡, 鞋蜡, 化妆膏, 清洁膏, 香膏, 除臭剂, 蜡烛等产品的生产, 也可设计用于小计量产品的包装, 如各类清凉油, 化妆膏, 凡士林, 药膏, 香膏等产品的生产。
- ◆可按生产要求定制防爆型生产线。
- ◆可提供自动配料, 补料系统及整线管道工程。

- ◆ This series of auto hot filling cooling line is developed & improved from our years rich experience. With humanized & patented design, it can auto finish bottle infeed, bottle volumetric filling, online cooling, & auto bottle exit, with labor sponge mat feeding, capping packaging (can be with auto system according to needs). The whole movement is controlled via PLC, very stable & smooth.
- ◆ With high adaptability, easy to adjust to meet different packages, widely used for the production of car wax, hair wax, shoe polish, cosmetic cream, cleaning cream, solid balm, deodorant, candle, etc, and can be designed to meet small dosage production of petroleum jelly, ointment, cosmetic cream, solid balm etc.
- ◆ Can be designed & made to be anti-explosive system based on production requirements.
- ◆ Turn-key project is available, like auto wax/material batching mixing system & whole line pipeline work.




**主要参数 Main parameters**

		6 nozzles	10-nozzles
灌装头数	Filling nozzle	6 nozzles	10-nozzles
灌装范围(定制)	Filling scope(customized)	50-500ml / 1-100ml	
冷却时间	Cooling time	5-15mins	
产量(视物料及设计)	Capacity	20-60BPM/40-80BPM (on material & design)	40-100BPM/80-150BPM
工作气压	Air pressure	0.4~0.7MPa	
工作电压	Voltage	380V 50/60Hz 3P	

# 自动液洗类灌装生产线系列

## AUTO LIQUID WASH PRODUCT BOTTLE FILLING LINE SERIES

### 自动液体洗涤剂灌装旋盖贴标生产线 Auto liquid wash filling capping labeling production line

#### 概述 Introduction

- ◆集机电气于一体，适用于各种液体和粘稠液体，膏体，含颗粒物料的灌装和包装，广泛应用于食品，饮料，化妆品，日化，医药等行业产品的生产。
- ◆采用伺服活塞灌装，多功能旋盖，直线式及人性化设计，方便快捷调节适用于不同瓶型不同产品的生产。
- ◆多功能不干胶贴标适用于圆瓶，方瓶扁瓶及类似产品的圆周贴及周圈贴，切换生产方便快捷，经济稳定。
- ◆ Combined with our years rich experience, integrated electricity, mechanism & pneumatics, it's suitable for various bottle auto filling, capping & labeling package, widely used for various liquid, cream & paste filling in foodstuffs, drinks, cosmetics, pharmaceuticals, daily chemicals fields etc.
- ◆ Adopting servo piston filling & multifunctional capping, the humanized & linear design makes it very easy & fast to adjust to meet different package production.
- ◆ The multifunctional labeling machine is suitable for both round labeling of round bottles/objects and also 1 or 2 sides of flat/square bottles/objects, convenient to do production switch, reliable & economical.



#### 主要参数 Main parameters

灌装头数	Filling nozzle	4-nozzles	6-nozzle	8-nozzle
旋盖头数	Capping head	1-head (with labor or auto cap-infeed)		
灌装范围	Filling scope	100-2000ml	500-3000ml	1000-5000ml
产量	Capacity	25-30BPM for 500ml	30-35BPM for 2000ml	30-35BPM for 5000ml
工作气压	Air pressure	0.4~0.7MPa		
工作电压	Voltage	220V 50/60Hz 1P; 380V 50/60Hz 3P		
功耗	Whole line power	3.5KW	4.5KW	6KW

# 自动水乳类灌装生产线系列

## AUTO LOTION FILLING LINE SERIES



### 自动水乳类灌装旋盖贴标生产线

#### Auto lotion filling capping labeling production line

#### 概述 Introduction

- ◆为满足市场化妆品行业需求，我司专门研发了多功能灌装旋盖生产线，以便适用不同包装不同物料的快速转产生产，提高生产效益；集机电气于一体，适用于各种液体和粘稠液体，膏体，含颗粒物料的灌装和包装，广泛应用于食品，饮料，化妆品，日化，医药等行业产品的生产。
- ◆采用高精度活塞灌装，多功能旋盖，人性化设计，按客户场地定制生产布局。
- ◆可按生产需求，专业设计对接自动检测，喷码，封口，贴标，装盒，封箱等生产线。

- ◆To adapt to the cosmetic market demand, we especially develop the multifunctional filling line for quick changeover of different packages & products.
- ◆Adopting high-precision piston filling & multifunctional capping, the detailed design will be based on specific factory layout & production requirements.
- ◆We can recommend & supply professional packaging system, weight checker, ink printing, labeling machine, sealing machine, cartoning machine, boxing machine, carton-sealing etc.



#### 主要参数 Main parameters

适用范围	Scope of application	50-2500ml
灌装头数	Filling the first few	4、6、8、12 头heads
灌装误差	Filling error	1%~2%
压缩空气	Compressed air	0.4~0.6Mpa
耗气量	Air consumption	15m3/h
电源	Power supply	220/380V 50HZ
用电功率	Electric power	≤6KW
单机噪音	Stand-alone noise	≤50dB
净重	Net weight	≤2000kg



# 自动小瓶液体灌装生产线系列

## AUTO SMALL BOTTLE FILLING LINE SERIES

### 全自动无菌粉灌装线

#### Auto sterile powder filling production line

#### 概述 Introduction

本联动线主要适用于高产量的无菌粉剂生产。本联动线机组由超声波洗瓶机，热风循环隧道烘箱，无菌粉剂计量分装机及轧盖机共同组成，可实现自动清洗、干燥灭菌、分装加塞、轧盖封口功能。主要适用于制药企业无菌粉剂生产，是GMP首选联动机组。

This line is suitable for high injection powder filling production. It consists of ultrasonic washing machine, hot air circulation tunnel oven, powder filling machine and capping machine. It can auto finish bottle washing, drying and sterilizing, powder filling & stoppering and crimping function. The system can meet GMP requirements & It's an ideal equipment for pharmaceutical enterprise injection powder filling production.

#### 主要参数 Main parameters

灌装范围	Filling scope	1-30ml (customized)
产量	Capacity	100-200BPM/200-300BPM
工作电压	Whole line voltage	220V 50/60Hz 1P 5KW



## 自动眼药水灌装封口贴标线 Auto eyedrop filling capping labeling line

### 产品介绍 Introduction

- ◆为满足市场化妆品行业需求，我司专门研发了多功能灌装旋盖生产线，以便适用不同包装不同物料的快速转产生产，提高生产效益；集机电气于一体，适用于各种液体和粘稠液体，膏体，含颗粒物料的灌装和包装，广泛应用于食品，饮料，化妆品，日化，医药等行业产品的生产。
- ◆采用高精度活塞灌装，多功能旋盖，人性化设计，按客户场地定制生产布局。
- ◆可按生产需求，专业设计对接自动检测，喷码，封口，贴标，装盒，封箱等生产线。

- ◆To adapt to the cosmetic market demand, we especially develop the multifunctional filling line for quick changeover of different packages & products.
- ◆Adopting high-precision piston filling & multifunctional capping, the detailed design will be based on specific factory layout & production requirements.
- ◆We can recommend & supply professional packaging system, weight checker, ink printing, labeling machine, sealing machine, cartoning machine, boxing machine, carton-sealing etc.



# 自动小瓶液体灌装生产线系列

## AUTO SMALL BOTTLE FILLING LINE SERIES

### 全自动诊断试剂高速灌装旋盖贴标装托生产线 Automatic diagnostic reagent high speed filling screw cap labeling assembly line

#### 概述 Introduction

此全自动诊断试剂灌装线是为满足社会大规模试剂检测，厂家高产量生产使用，可实现全自动管理盖，跟随式高速灌装，自动下盖旋盖，瓶体稳定过渡，自动贴标打码，自动装托等。整个动作由PLC控制，稳定流畅，产量高。

This automatic diagnostic reagent filling line is to meet the social large-scale reagent testing, manufacturers high output production and use, can achieve automatic management cap, follow the high-speed filling, automatic cap screw, bottle stable transition, automatic labeling code, automatic loading and so on. The whole action is controlled by PLC, stable and smooth, high output.

#### 主要参数 Main parameters

灌装头数	Filling nozzle	10 nozzles
灌装范围	Filling scope	1-10ml
产量	Capacity	180-200BPM
工作气压	Air pressure	0.4-0.7MPa
工作电压	Voltage	380V 60Hz



# 自动小瓶液体灌装生产线系列

## AUTO SMALL BOTTLE FILLING LINE SERIES



### 全自动鼻炎喷剂异形瓶灌装旋盖封膜生产线

#### Automatic special-shaped bottle filling and capping production line

#### 概述 Introduction

本生产线为我司结合用户产能、要求设计定制的一款高速生产线（本机适用于用户提供的一种瓶形，不同瓶形只需要更换理瓶盘和理盖及瓶子模具），本设备具有产能高，兼容性强，灌装精度高，旋盖快，合格率高等特点，一体化设计，设备占地面积小，且大大节省人工，是医药生物公司的理想选择。

This production line is a high-speed production line designed and customized for our company combined with the user's production capacity and requirements (this machine is suitable for a bottle shape provided by the user, different bottle shapes only need to replace the bottle tray and cap and bottle mold), this equipment has high production capacity, strong compatibility, high filling accuracy, fast screw cap, high pass rate, integrated design, equipment occupies a small area, and greatly saves labor. It is an ideal choice for pharmaceutical and biological companies.

#### 主要参数 Main parameters

灌装头数	Filling nozzle	6-10 nozzles
灌装范围	Filling scope	5-10ml
产量	Capacity	60-100BPM
工作气压	Air pressure	0.4-0.6MPa
工作电压	Voltage	220V 60Hz 8KW



# 自动小瓶液体灌装生产线系列

## AUTO SMALL BOTTLE FILLING LINE SERIES

### 全自动口服液气洗瓶灌装旋盖生产线

#### Automatic oral liquid air washing bottle filling and capping production line

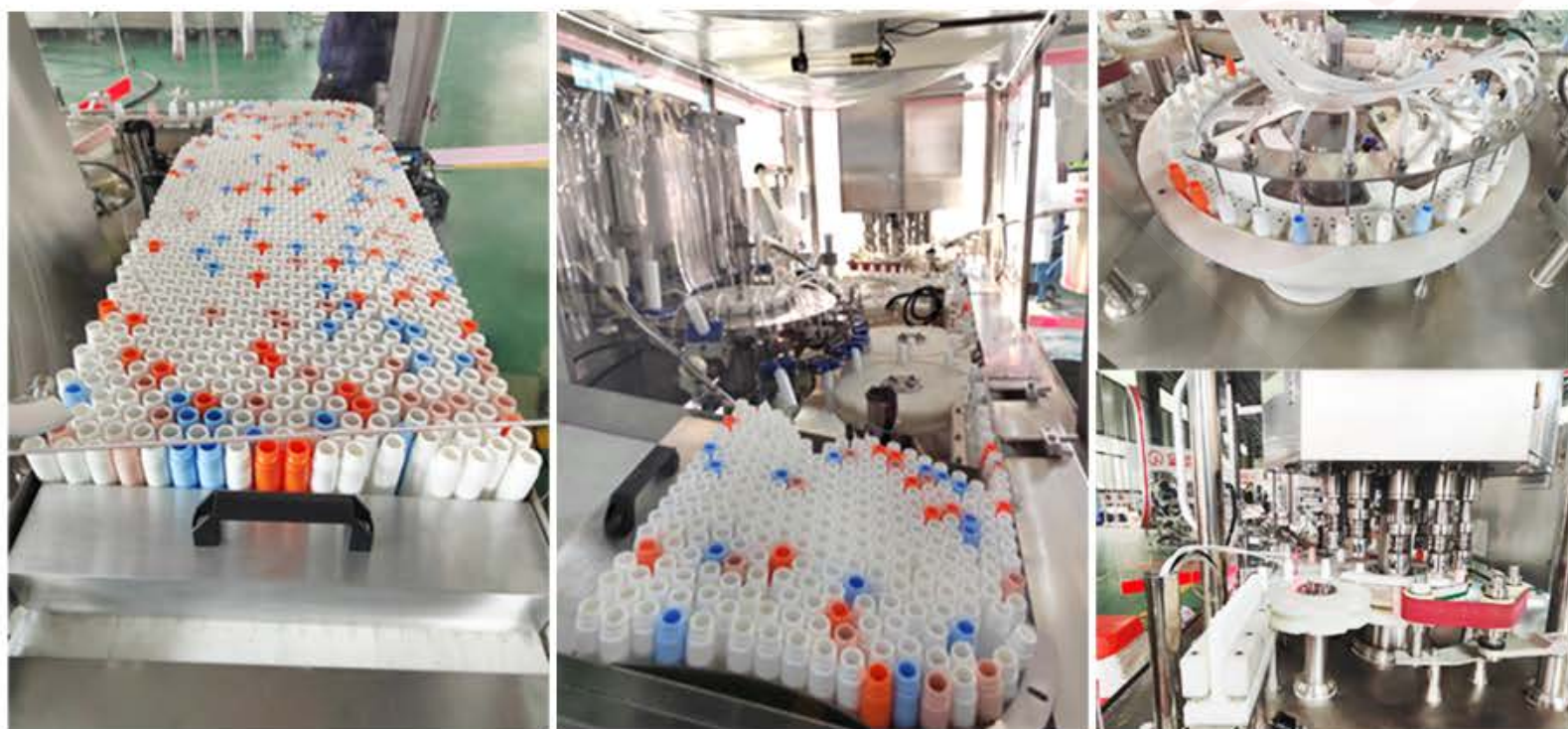
#### 概述 Introduction

本生产线为我司结合用户产能、要求设计定制的一款高速生产线，本机适用于用户提供的一款30ML的口服液塑料瓶，备有产能高，灌装精度高，旋盖等特点，一体化设计，设备占地面积小，且大大节省人工，是食品、日化、医药生物公司的理想选择。

This production line is a high-speed production line designed and customized according to the production capacity and requirements of users. This machine is suitable for a oral liquid plastic bottle with a capacity of 30ML provided by users. It has the characteristics of high production capacity, high filling accuracy, screw cap, etc., integrated design, small equipment footprint, and greatly saves labor costs. It is an ideal choice for food, daily chemical, pharmaceutical and biological companies.

#### 主要参数 Main parameters

灌装头数	Filling nozzle	12 nozzles
灌装范围	Filling scope	300ml
产量	Capacity	180-200BPM
工作气压	Air pressure	0.4-0.6MPa
工作电压	Voltage	380V 60Hz 8KW



# 自动小瓶液体灌装生产线系列

## AUTO SMALL BOTTLE FILLING LINE SERIES



### 自动马口铁灌装压塞旋盖生产线

#### Auto fuel filling plug capping (capping) production line

#### 概述 Introduction

此燃油灌装压塞旋盖（压盖）生产线是按客户瓶型及产量定制，可实现全自动送瓶，自动分道（分两道），自动双排六头伺服灌装，人工放灯芯，自动双排8头压盖，双头合并成单排，自动理铁盖压铁盖，自动理塑料盖旋盖，自动下盖旋盖(压盖)，成品输出等。全程由PLC控制，稳定流畅，自动完成生产。

This fuel filling plug capping (capping) production line is customized according to customer bottle type and output, can achieve automatic bottle feeding, automatic lane separation (divided into two), automatic double row of six head servo filling, artificial wick release, automatic double row of 8 head capping, double head combined into a single row, automatic iron cover pressing, automatic plastic cap capping, automatic cap capping (capping), finished product output. The whole process is controlled by PLC, stable and smooth, and the production is automatically completed.

#### 主要参数 Main parameters

灌装头数	Filling nozzle	双列6头 (Double column 6 heads)
灌装范围	Filling scope	200-350ml
产量	Capacity	80-100BPM
工作气压	Air pressure	0.6-0.8MPa
工作电压	Voltage	380V 50/60Hz 7.5KW



# 自动酱料类灌装生产线系列

## AUTO SAUCE FILLING LINE SERIES

### 自动酱料灌装旋盖生产线

#### Auto bottle sauce/jam filling capping production line

#### 特点 Features

- ◆ 凝聚我司多年生产经验的酱料灌装机，集机电气于一体，适用于各种粘稠液体，酱料，果酱，含颗粒物料的灌装和包装。采用双行程活塞缸，一键清洗，可连接CIP原位清洗，方便使用维护，是市场上同类产品中最具性价比的理想酱料灌装设备。
- ◆ 配真空旋盖机，可依生产工艺，选配普通旋盖。专业设计对接自动检测，灭菌，喷码，封口，贴标，封箱等生产线。

- ◆ Combined with our years experience, our sauce filling machine is suitable for various bottle package of ketchup, sauce & fruit jam, coconut jelly, honey, syrup, even the materials with granules inside. It can be designed with hot filling. Featured with its dual-stroke piston filling, it's with high filling precision & one-button washing, it's the most high-performance machine in the same category in market.
- ◆ Can be vacuum capping or common capping, and can be designed with auto labeling & sterilizing based on needs.



# 自动旋转式液体灌装生产线

ROTARY-TYPE LIQUID FILLING PRODUCTION LINE



## 高速液体灌装旋盖生产线 Auto rotary liquid bottle filling line

### 主要参数 Main parameters

适用物料	Suitable	Suitable for various liquid or visous liquid bottle packaging, like oral liquid, liquid syrup, honey, liquid detergent etc	
适用瓶型	Suitable bottles	Bottles with alumi caps (customized for plastic caps)	
型号	Model	GHRFC-20-8	GHRFC-36-12
灌装头数	Filling capping nozzle	20-nozzle filling+ 8-head capping	36-nozzle filling+ 12-head capping
灌装方式	Filling way	High-precision piston filling	
灌装范围	Filling scope	50-500ml	100-1000ml (customized)
产量	Capacity	100-120BPM	120-180BPM
尺寸约	Dimension	L3500*W2200*H2200mm	L3500*W2500*H2200mm
工作电压	Whole line voltage	380V 50/60Hz 3P 7.5KW	
工作气压	Air pressure	0.4~0.7MPa	



# 自动大桶称重灌装生产线系列

## AUTO BARREL WEIGHING FILLING LINE SERIES

### GHCZ

自动瓶装膏液称重灌装旋盖包装线0.1-5kg  
Auto bottle weighing filling packaging production line 0.1-5kg

#### 特点 Features

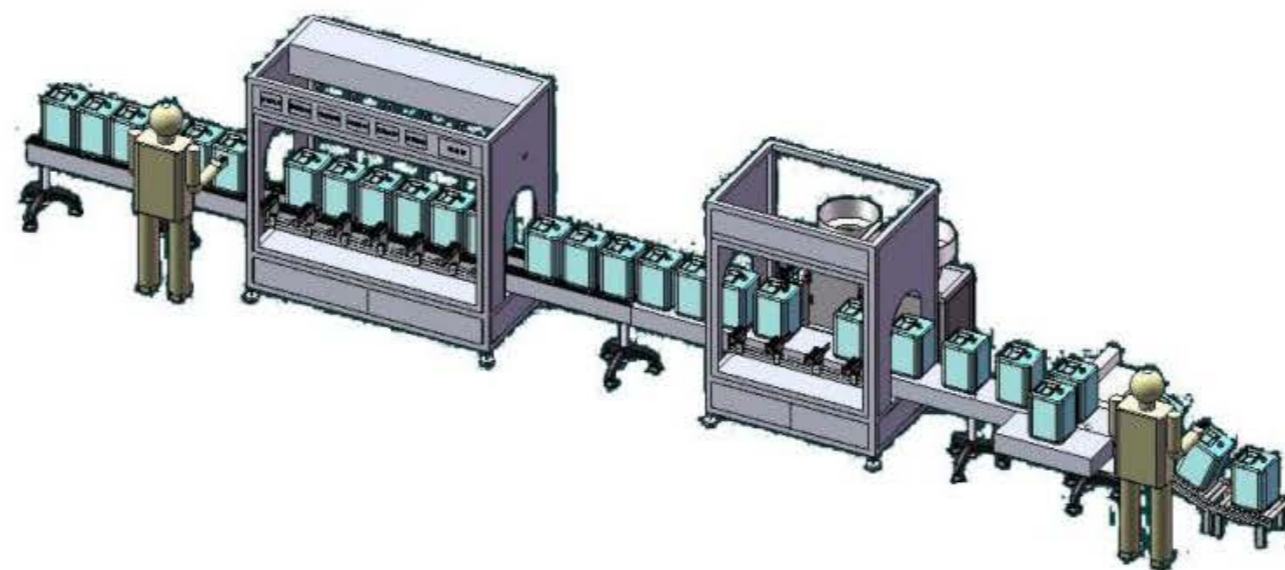
- ◆GHCZ系列称重式灌装机是集高精度电子称重技术，机电仪一体化的膏液灌装机，采用转子泵配合称重的方式实时监测当前的灌装量并反馈至控制仪，由控制仪按照设定数据输出快、慢速灌装控制信号，实现对较大灌装规格的快速准确灌装。
- ◆清洗方便，自动化程度高，系统工作稳定可靠，操作简便，称量准确，重量数据还可通过仪表输出给计算机等其它外接设备。广泛用于各类涂料，油漆，油墨，胶粘剂，有机溶剂，洗涤剂、农药、医药膏液、润滑油，食用油及各种可流动物料。
- ◆可按生产需求，专业设计对接自动检测，喷码，封口，贴标，封箱等生产线。
- ◆GHCZ series weighing type filling machine adopts electronic weighing technology & with electromechanical integration, combined rotor pump with weighing scales. Giving real-time filling monitoring and feedback to the controller, thus realizing the rapid and accurate for larger filling volume, it's an ideal & high-precision filling machine for bigger filling volume.
- ◆Easy to clean, with highly automation, stable and reliable, easy to operate, the accurate weighing data can be output to computer and other external equipment. Widely used in various kinds of coatings, paints, inks, adhesives, organic solvents, detergents, pesticides, pharmaceutical ointments, lubricants, oils and all kinds of mobile materials.
- ◆We can recommend & supply professional packaging system, weight checker, ink printing, labeling machine, sealing machine, cartoning machine, boxing machine, carton-sealing etc.



#### 主要参数 Main parameters

类型	Type	0.1-5kg		10-50kg	
		4 nozzles	8 nozzles	4 nozzles	6 nozzles
灌装头数	Filling nozzle	4 nozzles	8 nozzles	4 nozzles	6 nozzles
产量	Capacity	20-25BPM for 1L	40-45BPM for 1L	8-10BPM for 30L	15-20BPM for 30L
误差	Filling error	≤ ±0.2-0.5%			
工作电压	Whole line voltage	380V 50/60Hz 3P			
工作气压	Air pressure	0.4~0.7MPa			

自动大桶膏液称重灌装旋盖包装线10-50kg  
Auto barrel weighing filling packaging production line 10-50kg



# 理瓶机系列

## BOTTLE-UNSCRAMBLING SERIES

**GHLP-900**  
圆瓶送瓶机  
Bottle turntable machine



**GHLP-X40**  
圆瓶理瓶机  
Bottle unscrambling machine



**GHLP-H90**  
高速理瓶机  
Auto high-speed bottle -unscrambler

### 产品介绍 Introduction

本机适用对塑料圆瓶，扁瓶的高速自动理瓶。人工将杂乱无章的瓶子导入储瓶箱内，瓶子经输送机整理，自动直立有序地出瓶，进入对接灌装线。大大减轻了劳动强度，实现真正意义的自动化生产。

With labor to pour plastic round bottles into lifer hopper, it can auto lift bottles into bottle-storage cabinet to do centrifugal unscrambling & conveying, then bottles will straightly and orderly get into filling production line, widely used for various plastic bottle unscrambling in high capacity production.

### 主要参数 Main parameters

适用瓶型	Suitable bottles	各种塑料圆瓶 Various round plastic bottles
瓶子尺寸	Bottle size	Dia 40-90mm H 100-300mm (customized)
生产能力	Capacity	60-120BPM (depends on bottle sizes)
电压	Voltage	220V 50/60HZ 1P
工作气压	Air pressure	0.4-0.7Mpa

### 主要参数 Main parameters

型号	Model	GHLP-900	GHLP-1200	GHLP-1500
适用瓶型	Suitable bottles	各种圆瓶 Various round plastic or glass bottles		
生产能力	Capacity	60-120BPM (depends on bottle sizes)		
电压	Voltage	220V 50/60HZ 1P		

型号	Model	GHLP-X40
适用瓶型	Suitable bottles	各种小圆瓶 Various small round plastic bottles
生产能力	Capacity	40-100BPM (depends on bottle sizes)
电压	Voltage	220V 50/60HZ 1P



# 洗瓶系列

## BOTTLE-WASHING SERIES



### GHQX 自动翻转式气清洗机(水清洗机) Bottle-overturning air washing machine (water washing)

#### 产品简介 Introduction

- ◆ 该机利用洁净压缩空气对翻转塑料瓶内进行清洗，清洗完的空气另一气口吸走，能有效吸走瓶内及瓶壁上的粉末、灰尘、水珠等杂物，达到塑料瓶玻璃瓶的清洗目的。该台设备的投放，填补了国内市场的空白，经过多年的不断完善，该机型已批量投放市场，占国内市场的90%以上，并拥有国家专利证书。广泛用于化妆品，药品，食品及日化行业瓶子清洁生产。
- ◆ 本机系统也可据实际生产设计为翻转式水清洗机。
- ◆ This air washer is developed & improved from our year experience, and get patented certificate. Adopting clean ion air to wash the inner parts of overturned plastic bottles or glass bottles continuously online, it can effectively flush out the dust, water and impurities from bottle inside and bottle walls, thus achieving effective cleaning, widely used for bottle cleaning in cosmetics, foodstuff, pharmaceuticals & chemical fields.
- ◆ The system can be designed with bottle-overturning water washing based on needs.



#### 主要参数 Main parameters

型号	Model	GHQX-8	GHQX-12
适用瓶子	Suitable bottles	100-1000ml(customized 定制)	
气压	compressed air pressure	6-8kg/cm <sup>2</sup>	
产量	Capacity for 1L	2000-2500BPH	3000-4000BPH
电压	Power supply	380V 50HZ 3P 4.5kw	380V 50HZ 3P 5.5kw
电压	Power supply	380V 50HZ 3P	
毛重	Gross weight	600kg	800kg
尺寸	Dimension about	2000 × 980 × 1800mm	2500 × 980 × 1800mm



# 洗瓶系列

## BOTTLE-WASHING SERIES

### GHXP-R

#### 自动转鼓式洗瓶机

#### Auto roller-type washing machine

##### 产品简介 Introduction

滚筒式洗瓶机是我公司参照国外同类产品机型加以改进完善,具有整机外观漂亮,布局合理,机构简单,操作方便,生产稳定等优点。适用于圆形瓶或有肩托的异形瓶进行瓶内外清洗,由两水一气(纯化水注射用水,净化气)交替冲洗,使瓶子达到生产工艺要求,并对瓶子初步吹干,根据生产要求,可选配超声波装置。

Drawing the advanced tech & combining our constant improvement, we develop this roller-type bottle-washer. Widely used for the inside and outside washing of round & shouldering alien bottles, it does water flushing in turn with pure water, injection water and purified air, thus cleaning bottles, also it can dry bottles and also can be equipped with ultrasonic device according to production. Delicate in design, compact in constructure, stable performance, and convenient operation.



### GHXP-U

#### 自动超声波洗瓶机

#### Auto ultrasonic bottle washing machine

##### 工作原理 Working principle

GHXP型超声波洗瓶机是制剂生产线中不可缺少的设备,是清洗西林瓶的专用设备。本设备是按照医药无菌粉针、冻干及口服液产品设计而成,完全符合“GMP”生产规模标准。本设备主要采用超声波清洗,高压水喷淋、反冲、空气吹干、无极变频调速,运行平稳,破碎率低,能清洗一定规格的瓶子,更换方便。后喷淋采用“两水一气”方式:第一次水是去离子水,第二次水是注射水,气吹净二次清洗的用水。喷水、喷气均匀垂直。

This machine is a dedicated machine for various antibiotic bottles. It mainly consists of bottle unscrambling turntable, bottle inverted track, coarsely washing and finely washing tank. Coarsely washing means washing the inner and outer wall of the bottles by the power of ultrasonic wave. Finely washing adopts powerful high pressure purified water, injection water and compressed air to back wash the inner and outer wall of the bottles alternately. Finally, the washed bottles will be pushed into the tunnel oven or bottle-collecting table or conveying belt. It can reach the required quality standard of pharmaceutical companies.



##### 主要参数 Main parameters

适用瓶型	Suitable bottles	3-200ml	清洗速度	Washing speed	50-200BPM
电压	Power supply	380V 50/60Hz	总功率	Total power	5.2kw
毛重	Gross weight	600kg	尺寸	Overall dimension	2800*850*1850mm

# 烘瓶系列

## BOTTLE-DRYING SERIES



### GHHX 隧道式烘干灭菌机 Tunnel-sterilizing drying machine

#### 产品简介 Introduction

该系列隧道式层流灭菌烘箱是我公司参照国内外最先进技术设计而成，经不断改进完全使之符合GMP要求，且外形美观，易于清洁，该机深受用户青睐，在国内同类产品占领先地位。广泛用于各类玻璃瓶药瓶的生产，符合GMP要求。

This sterilizing drying tunnel adopting hot air laminar flow principle to dry and sterilize various glass bottles, widely in ampoules, antibiotic vials and oral liquid bottles in the field of pharmaceutical factory, also can be used in foodstuff glass bottle production, meeting GMP standards.

#### 主要参数 Main parameters

灭菌温度	Sterilizing temp	150-350°C
灭菌时间	Sterilizing time	≥5-7min (depends on bottles)
产量	Capacity	5000-6000BPH for 50ml vials (customized)
输送速度	Conveying speed	50-250mm/min
电压	Voltage	380V 50Hz 15-30KW
尺寸	Dimension about	4500mm*1400mm*1900mm



风刀烘干机  
Air-knife dryer



对开门热风循环烘箱  
Hot-air circulating dryer

# 自动瓶装生产线

## FILLING SERIES

### GHALF-6

#### 全自动活塞式液体灌装机(无罩)

#### Automatic piston-type liquid filling machine

##### 概述 Introduction

此系列全自动柱塞式液体灌装机，是我公司适应市场需求，引进国外先进技术开发之新产品。该机采用316L不锈钢柱塞式计量泵执行灌装，根据使用厂家实际生产量，可选择不同灌装头数和泵体规格，并能方便地同理瓶机、旋盖机联动生产，广泛应用于制药、农药、化工、食品、化妆品等行业的液体包装，完全符合GMP规范要求。

This automatic piston-style liquid filling machine adopts 316 stainless steel plunger-style metering pump to fill, and it can use different filling heads to meet customers' production demands. Besides, it can also link to other cap-feer and capping machines in the production line. It takes up only a little room, economical and practical, widely used for filling liquids in industries like pharmaceuticals, pesticides, chemicals, food, cosmetics, etc. It is in full compliance with the GMP requirements.



##### 主要参数 Main parameters

型号	Item	GHALF-4	GHALF-8	GHALF-12	GHALF-16	GHALF-20
灌装头数	Filling nozzle	4	8	12	16	20
灌装量	Filling scope	10-5000ml		10-500ml		
理想灌装范围	Idea filing range	10-100ml \ 50-250ml \ 100-500ml \ 200ml-1000ml \ 500-2500ml \ 1000-5000ml				
瓶/分钟(按100ml)	Capacity for 100ml	40-60BPM	60-80BPM	70-90BPM	80-100	90-120(1 line)/130-160(2 line)
灌装精度	Filling precision	$\leq \pm 1\%$				
气压	Air pressure	0.4~0.6MPa				
电压	Voltage	220V 50/60Hz				
功率	Power	0.75kw	0.75kw	1.2kw	2.2kw	2.2kw
噪音	Noise	$\leq 50$ dB				
净重	N.W.	500kg	800 kg	1000 kg	1300kg	1500kg

## GHAF-2 自动粉体灌装机 Auto powder filling machine

### 概述 Introduction

- ◆该灌装机是我公司按照国家最新GMP标准设计开发的一款瓶（罐）装式灌装机，集充填、称重、输送为一体，适用于奶粉末等物料的计量充填包装。
- ◆伺服灌装，计量精准，调节方便。
- ◆专门设计的负压除尘可回收，灌装过程一尘不染。
- ◆自动计数，配方记忆，无瓶不灌装，变频调速，自动化程度高，符合GMP生产。
- ◆Combined with auger & weighing type filling, the filler can automatically finish filling all kinds of powder materials such as, flour, milk powder, coffee powder, spices, pepper, seasonings, medicine powder, cosmetic powder, etc.
- ◆With servo motor to control filling auger, with high filling precision, easy to adjust and measure stably.
- ◆Equipped with dust collecting system, delicate & friendly to working plant
- ◆With auto counting & formul-saving function, no bottle no filling, converter speed adjustable, highly-automation, meeting GMP production requirements.

### 主要参数 Main parameters

灌装量	Filling Volume	100-1000g (customized)
灌装头	Filling nozzles	2 nozzles
计量方式	Filling device	Measuring auger + weighing scale
产量	Capacity	800-1200 BPH
误差	Precision	≤ ± 1%
料斗	Hopper size	30L SUS316 * 2 pcs
控制方式	Control part	PLC & Touch screen
气压	Air pressure	0.5-0.7Mpa
电压	Voltage	220V 50HZ 1P 2.5KW
毛重	Gross weight	800Kg
尺寸	Dimension	L2000 * W1200 * 2000mm



# 灌装系列

## FILLING SERIES

### 自流式液体灌装机

#### Auto gravity-type liquid filling machine

#### 概述 Introduction

- ◆ GHAGF型全自动自流式液体灌装机采用PLC可编程控制，配以6英寸触摸屏人机界面系统，采用常压式固定流道参数，控制灌装时间来实现不同计量的灌装。适用于制药、食品、农药、化工、等行业的轻液体灌装。
- ◆ 可设计全耐腐系统，专门用于各类腐蚀性液体的灌装，如漂白水，洁厕剂及各类强酸强碱等。
- ◆ GHAGF automatic gravity liquid filling machines adopt logic controller PLC & touch screen system, ordinary pressure flow passage parameters, just setting the flowing time to control different quantity. It widely applies to liquid & light liquid packaging in pharmaceutical, foodstuff, pesticide, chemical, etc.
- ◆ Can be designed with fully anti-corrosive structure & dedicated for various liquid bleach, toilet liquid, strong acid & alkali liquids.



GHAGF-8  
自流式液体灌装机(通用于各行业轻液体)  
Auto gravity-type liquid filling machine (for light liquids)



GHAGF-A10  
自流式耐腐液体灌装机(用于漂白水等)  
Auto gravity-type anti-corrosive filling machine (for bleach etc)

#### 主要参数 Main parameters

型号	Item	GHAGF-4	GHAGF-8	GHAGF12	GHAGF-16
灌装头数	Filling nozzle	4	8	12	16
灌装范围	Filling range	50-3000ml (customized)			
瓶/分钟, 按100ml	Filling speed (for100ml)	20-25BPM	50-60BPM	70-80BPM	80-100BPM
误差	Filling error	≤ ± 1.5%			
气压	Air pressure	0.4-0.6MPa			
电压	Voltage	AC220V 50/60Hz ≤1KW			
毛重	G.W.	400kg	600kg	700kg	800kg
尺寸	Dimension(mm)	2000*800*2500	2000*800*2500	3000*800*2500	3000*1200*2500

## GHLF-6 直线式回流消泡液体灌装机(通用于各行业易起泡沫的液体) Linear overflow filling filling machine

### 概述 Introduction

GHLF型直线式回流消泡液体灌装机, 适用于制药、食品、农化等行业易起泡沫的液体灌装, 同样也适用于不起泡沫的液体。可单机使用, 也可与其它设备连线使用, 是目前国内最理想的消泡灌装机。

This series linear backflow defoaming liquid filler is suitable for various liquids that are easy to foam while filling as well as no foaming liquids, widely used in food, chemicals, pesticides, and pharmaceuticals fields. It can not only be used separately, and also can be linked to production lines. It's the fastest and most reliable defoaming filler home and abroad.

### 特点 Features

- ◆采用离心泵执行灌装、回流式灌装头实现回吸泡沫, 杜绝泡沫溢出、滴漏现象。
- ◆采用低位贮液筒, 整机清洗、消毒方便。
- ◆采用卡瓶口装置, 灌装瓶口准确定位后, 灌装头再伸入瓶内实现灌装。
- ◆装量调整方便, 操作简便, 可在短时间内更换不同规格的瓶子灌装。
- ◆整机按GMP规范要求设计。
- ◆Adopting centrifugal pump to fill and backflow filling nozzles to suck-back foams, in case of foam overflow and drop leakage phenomena.
- ◆With lower-position storage tank, convenient to clean and sterilize the machine.
- ◆Using bottleneck-clipping device ensures the accurate positioning of filling-nozzles, inside bottle filling after positioning.
- ◆Easy and convenient to adjust filling dosage and change bottles of different sizes.
- ◆Totally in accordance with GMP requirements.



### 主要参数 Main parameters

型号	Item	GHALF-4	GHALF-6	GHALF-8	GHALF-12	GHALF-16
灌装头数	Filling nozzle	4	6	8	12	16
灌装量	Filling scope	50-500ml				
瓶/分钟(按250ml)	Capacity for 250ml	25-30BPM	0-450BPM	50-60BPM	70-80BPM	90-100BPM
灌装精度	Filling precision	≤ ± 2%				
气压	Air pressure	0.4~0.6MPa				
电压	Voltage	220V 50/60Hz ≤3KW				
净重	N.W.	500kg	800kg	1000kg	1300kg	1500kg

# 灌装系列

FILLING SERIES

## GHPF 自动泵式瓶装灌装机 Auto pump-type bottle filling machine



4头蠕动泵灌装机(用于各类精油, 烟油, 药液等)  
Auto 4-nozzle peristaltic-pump filling machine (for various oil & pharma liquids)



4头转子泵灌装机(用于各类膏液, 酱料等)  
Auto 4-nozzle rotor-pump filling machine (for various liquids & sauce etc)

## GHAPF-R 高速旋转式液体灌装机 High-speed rotary liquid filling machine

### 概述 Introduction

- ◆ 本机是最新一代回转活塞式定量灌装机，适用于各式液体粘稠液体及酱料等的高速瓶装生产，自动化程度强，生产能力大。整个灌装过程是机、电、光、气完美结合，整机性能达到国内外同类机型的最高水平。
- ◆ 本灌装规格只需在触摸屏中修改参数，能同时对20头灌装量进行大幅度的调整，也能对每一个头的灌装量进行微量调整。针对每种包装规格所对应参数，电脑中都可实现记忆功能，为二次调整节省修改时间。
- ◆ PLC、触摸屏控制系统，无瓶不灌，自动计数，配方保存，自动停机报警，变频调速，方便连线生产。
- ◆ This rotary piston machine is the latest generation of quantitative filler, suitable for various liquids, viscous liquid & paste bottle high-speed packaging. The whole filling process combines mechanism, electricity, photonics and pneumatic together, and the high-performance reaches up to internationally advanced technology of the same kind.
- ◆ Filling specifications can easily be changed by altering parameter on touch panel. Filling volume of each filling head can be adjusted together & respectively.
- ◆ With PLC & touch screen system, no bottle no filling, auto counting, formula-saving, auto alarming, inverter speed adjusting, easy to link the production line.



### 主要参数 Main parameters

型号		Model	GHAPF-R20	GHAPF-R24
灌装头数		Filling head	20	24
产量		Capacity for 500ml	≤3600BPH	≤7200BPH
灌装量		Filling scope	50ml—1000ml	
电压		Power	380V 50HZ 4.5KW	
适用瓶型 Suitable bottle	异形 Complicated-shape bottle		Special designed	
	圆瓶 Round bottle		Φ50xH80—Φ100xH240mm	
气压		Air source	0.6Mpa-0.7Mpa	

# 烘瓶系列

## AUTO FILLING CAPPING MONOBLOCK SERIES

### GHAFC-M

自动膏液灌装旋/轧盖一体机

Auto liquid/cream filling capping monoblock



#### 主要参数 Main parameters

产品类型	Model	GHAFC-M1	GHAFC-M2
适用物料	Suitable	Suitable for various liquid or visous liquid bottle packaging, like oral liquid, liquid syrup, honey, liquidsoap, cream, ointment etc	
适用瓶型	Suitable bottles	Bottles with stoppers & alumi caps (or plastic caps)	
灌装头数	Filling nozzle	1 or 2 nozzles	2 or 4 nozzles
锁盖头数	Capping heads	1 head	2 heads
灌装方式	Filling way	Peristaltic pump/piston filling/vacuum filling (customized)	
灌装范围	Filling scope	5-100ml/100-500ml	5-100ml/100-1000ml (customized)
产量	Capacity	20-40BPM	40-60BPM
工作电压	Whole line voltage	220V 50/60Hz 1P	220V 50/60Hz 1P
工作气压	Air pressure	0.4~0.7MPa	0.4~0.7MPa

# 旋盖系列

## CAPPING SERIES



**GHAC-4**  
自动多功能旋盖机  
Auto multifunctional capping monoblock



**GHAC-R1**  
自动间歇旋/轧盖机  
Auto intermittent capping/crimping machine



### 主要参数 Main parameters

型号	Model	GHAC-4	GHAC-R1
适用瓶型	Suitable bottles	各种螺纹盖瓶子 Various bottles with threaded caps	各种螺纹盖(可定制锁口盖)瓶子 Various bottles with threaded or crimping caps
生产能力	Capacity	30-45BPM	30-45BPM
电压	Voltage	220V 50/60HZ 1P	220V 50/60HZ 1P

# 旋盖系列

## CAPPING SERIES

### GHAC-6/8 全自动高速旋盖机 Auto high-speed capping machine



### GHAC-V 全自动真空旋盖机(蒸汽) Auto steam vacuum capping machine



主要参数 Main parameters			
型号 Model		GHAC-6	GHAC-8
适用瓶型 Suitable bottles		各种螺纹盖瓶子 Various bottles with threaded caps	
生产能力 Capacity		50-90BPM	80-120BPM
电压 Voltage		220V 50/60HZ 1P	
型号 Model		GHAC-R1	
适用瓶型 Suitable bottles		各种镀锌盖/三四旋盖的瓶子 Various bottles with caps of tin caps/3-4 circles caps	
生产能力 Capacity		80-150BPM	
电压 Voltage		220V 50/60HZ 1P	

### GHAC-R4/8 全自动高速旋转式旋盖机(压盖机/锁盖机) Auto high-speed rotary capping/crimping machine

#### 概述 Introduction

- ◆本机可与回转式高粘度灌装机配套使用，亦可与本公司其他直线式灌装机组线使用。采用可调磁力旋盖头，旋盖力矩可根据需要进行调整，具有调整方便、不伤瓶、盖的特点。
- ◆取代传统的挂盖机构采用旋盖头自动夹盖，垂直抓盖，不会产生歪盖，旋盖率高。
- ◆PLC，触摸屏控制，变频调速，自动技术，自动补盖，设备运转稳定，无噪音。
- ◆可据实际盖型，设计自动锁盖或者自动压盖，通用性强。
- ◆This rotary capper can be matched with our rotary filler & also can be linked to linear filling line. With adjustable magnetic torque capping, the capping torque can be conveniently adjusted according to needs, no harm to bottles and caps.
- ◆Instead of traditional cap-hanging structure, this machines adopts cap-screwing head to clamp caps automatically and vertically, thus effectively avoiding inclined caps and ensuring high capping precision.
- ◆Within PLC & touch screen system, frequency-conversion to control speed, auto counting, auto cap-infeed, reliable performance & without noise.
- ◆Can be designed based on actual caps to meet auto high-speed cap-crimping or cap-pressing.



# 贴标机系列

## LABELING SERIES



### 单侧面圆瓶贴标机

#### Single side round bottle labeling machine

#### 简介 Introduction

适用于圆瓶标签单面贴标、双面二张标签的定位贴标，中文触摸屏操作，简单易学功能齐全，实现人机互通，采用PLC与伺服马达回馈控制，使控制无误差，驱动主马达超小惯量750W，能瞬时达到恒速瞬时急停，贴标精度高稳定性强。

Suitable for round bottle label one label, double two label positioning labeling, Chinese touch screen operation, easy to learn the function is all ready, realize the man-machine communication, PLC and servo motor feedback control, make no error control, drive the main motor ultra small inertia, 750 w, can achieve instantaneous constant speed instantaneous abrupt stop, labeling, high precision and strong stability.



#### 性能特点 Performance characteristics

- ◆ 标头任何角度调整，更适用于不同的产品形状之调节，操作简单方便；
- ◆ 标签托盘机构，采用恒定拉力使标签运行平稳，最适合于高速贴标；
- ◆ 采用30度丁氰动力胶辊与气缸夹辊三辊定位机构，使产品转动平稳，从而提高贴标精度；
- ◆ 基于被贴产品特性，可量身设计增加特殊贴标机构。
- ◆ Headers any Angle adjustment, more suitable for different product shape of regulation, operation simple and convenient.
- ◆ Tag tray institutions, using the constant tension make label smooth operation, the most suitable for high speed labeling;
- ◆ Cyanogen 30 degrees butyl dynamic locating mechanism of rubber roller and clamping cylinder roller three roller, make the product smooth rotation, thus improve the labeling accuracy;
- ◆ Based on product features, can be designed to increase the special label.

#### 主要参数 Main parameters

包装对象	Packaging object	塑料瓶、玻璃瓶、金属瓶 Plastic bottles, glass bottles, metal
适用行业	Apply to industry	食品、日化、医药、化工等等 Food, cosmetic, pharmaceutical, chemical and so on
电源	Power supply	AC220V/50Hz
工作气压	Work pressure	6kg/cm <sup>2</sup> 100L/min
贴标速度	Labeling speed	45m/min
贴标精度	Labeling accuracy	± 1mm
标签最大高度	Label maximum height	200mm
标签纸芯内径	Label paper core diameter	Φ76.2mm
标签最大外径	Label the biggest diameter	Φ350mm
外形尺寸	Overall dimensions	2000 × 1200 × 1500mm

# 贴标机系列

## LABELING SERIES

### 双侧面全自动贴标机

#### Double side fully automatic labeling machine

#### 简介 Introduction

适用于方形、扁形产品的单面及双贴标；方瓶三面、和四面包围式贴标，圆瓶贴标适用于标签单贴、双贴、单双贴分别定位贴标，中文触摸屏操作，简单易学功能齐全，实现人机互通，采用德国西门子PLC与伺服马达一对一反馈控制，使控制无误差，驱动主马达超小惯量750W，能瞬时达到恒速瞬时急停，贴标精度高稳定性及强。

Suitable for square, flat products of single and double labeling; Square bottle on three sides, and all around surround type labeling, round bottle label applies to label time, double post positioning respectively, single and double labeling, Chinese touch screen operation, easy to learn the function is all ready, realize the man-machine communication, with Germany's Siemens PLC and servo motor one-on-one feedback control, make no error control, drive the main motor ultra small inertia, 750 w, can achieve instantaneous constant speed instantaneous abrupt stop, labeling of high precision and strong stability.

#### 性能特点 Performance characteristics

- ◆ 标头任何角度调整，更适用于不同的产品形状之调节，操作简单方便；
- ◆ 标签托盘机构，采用恒定拉力使标签运行平稳，最适合于高速贴标；
- ◆ 压带与主输送线采用机械式传动，使二带绝对同步；
- ◆ 压带分段式垫条，不会因产品的高低而影响个体压力，垫条高分子材料更耐磨；
- ◆ 采用30度丁氰动力胶辊与气缸夹辊三辊定位机构，使产品转动平稳，从而提高贴标精度；
- ◆ 产品定位贴采用光电感应定位，可在产品的任何位置指定精准贴标(定位选型)；
- ◆ 基于被贴产品特性，可量身设计增加特殊贴标机构。
- ◆ Headers any Angle adjustment, more suitable for different product shape of regulation, operation simple and convenient.
- ◆ Tag tray institutions, using the constant tension make label smooth operation, the most suitable for high speed labeling;
- ◆ Pressure zone and the main conveyor line adopts mechanical transmission, make two take absolute synchronization;
- ◆ Pressure with sectional mat, will not affect the individual by products of high and low pressure, mat of polymer materials is more wear-resisting;
- ◆ Cyanogen 30 degrees butyl dynamic locating mechanism of rubber roller and clamping cylinder roller three roller, make the product smooth rotation, thus improve the labeling accuracy;
- ◆ Product positioning using photoelectric orientation, can be specified in the product of any location accurate labeling (location selection);
- ◆ Based on product features, can be designed to increase the special label.



#### 主要参数 Main parameters

包装对象	Packaging object	塑料瓶、玻璃瓶、金属瓶 Plastic bottles, glass bottles, metal
适用行业	Apply to industry	食品、日化、医药、化工等等 Food, cosmetic, pharmaceutical, chemical and so on
电源	Power supply	AC220V/50Hz
工作气压	Work pressure	6kg/cm <sup>2</sup> 100L/min
贴标速度	Labeling speed	45m/min
贴标精度	Labeling accuracy	± 1mm
标签最大高度	Label maximum height	200mm
标签纸芯内径	Label paper core diameter	Φ76.2mm
标签最大外径	Label the biggest diameter	Φ350mm
外形尺寸	Overall dimensions	3050 × 1500 × 1500mm

贴标机系列  
Labeling series



上平面贴标机  
Plane labeling machine



单侧面贴标机  
1-side flat labeling machine



单侧+顶面贴标机  
1-side + top labeling machine



多功能贴标机  
Round + 2-side labeling machine



方瓶三面贴标机  
3-side labeling machine

# 封口系列

## BOTTLE-SEALING SERIES

### GHAS-H

#### 自动卷膜热封封口机

#### Auto roll film sealing machine



#### 简介 Introduction

此热封口机适用于各式大口径塑料瓶的卷膜热封，广泛用于化妆品，化工及食品行业。

This machine is suitable for roll film hot sealing of various plastic bottles with big mouth diameter, widely used for cosmetics, chemical & foodstuff fields, Mainly made of top-quality SUS304 & oxide aluminum, delicate & durable for liquid packaging.

#### 主要参数 Main parameters

型号	Model	GHAS-H3	GHAS-H6
适用瓶	Suitable bottles	100-5000ml	100-5000ml
产量	Capacity	20-25BPM	40-50BPM
电压	Voltage	380V 50/60HZ 3KW	80V 50/60HZ 5.5KW
气压	Air pressure	0.4-0.7Mpa	0.4-0.7Mpa

## GHES-A 电磁感应铝箔封口机 Induction foil sealing machine

### 简介 Introduction

- ◆为配线专门设计精心制造。
- ◆采用优质全不锈钢304一体化结构，产品设计合理，美观大方，符合GMP要求。
- ◆特有开关电源设计，保证功率恒定输出，功率可调，数显功率，功率可调，自动诊断，封口效果好。
- ◆Carefully designed with wheels & especially for the production line connection.
- ◆High-grade products, with integrated structure of high-quality stainless steel, reasonable design, beautiful & generous, & totally meeting GMP requirements.
- ◆Adjustable-power and digital display, with perfect sealing.

### 主要参数 Main parameters

型号	Model	GHES-2000A	GHES-6000A
封口直径	Sealing diameter	20-80mm	10-200mm
产量	Capacity	≤200BPH for 30mm	≤400BPH for 30mm
电压	Power supply	220V 50HZ 2kw	220V 50HZ 6kw
升降架行程	Lifting travel	65-500mm	65-500mm
电压	Power supply	380V 50HZ 3P	380V 50HZ 3P



GHES-2000A连续式风冷电磁感应铝箔封口机  
Continuous air-cooling induction foil sealing machine



GHES-6000A高速水冷电磁感应铝箔封口机  
Water-cooling electromagnetic induction foil sealing machine



手持式  
ES-H600 Hand-held type



手持式  
ES-H800 Hand-held type



台式  
ES-T1500 Table type

# 喷码系列

## CODING SERIES

### 喷码机

#### Pen maji

#### 应用范围 Scope of application

- ◆采用多项专利技术,让您的操作使用更加方便、快捷;超强的喷印功能,可喷印1-2行信息(16点阵),完全满足您随时变化的标识需求。
- ◆H10系列产品在国内率先采用了国际先进的负充电技术,并把机体的防护标准提高到了IP55,并对喷头等关键核心部件进行了革命性创新。
- ◆A number of patented technologies, and make your operation more convenient to use, fast; super jet printing Jet printing 1-2 lines of information (16 dots), meet you at any time to change the logo needs.
- ◆H10 series the first in the country to adopt the negative charge of international advanced technology, and the body Protection standard to IP55, and nozzles and other key core components revolutionized.



标准型小字符喷码机  
Standard small characters inkjet printer



激光打码机  
Laser printer machine



#### 主要参数 Main parameters

型号	Model	300
激光器	laser	密封式金属射频二氧化碳激光发生器 Sealed metal RF carbon dioxide laser generator
连续输出功率	Continuous output power	≤30W
偏转振镜	Galvanometer deflection	高精度二维扫描系统 High-precision two-dimensional scanning system
主控	The master	高度集成化主板, 7寸彩色触摸式液晶纯平显示 Highly integrated motherboard, 7-inch color touch-screen LCD flat screen display
冷却系统	The cooling system	风冷
开关电源	Switching power supply	S600W-48V
最小线宽	Minimum line width	0.03mm
重复定位精度	Repeat positioning accuracy	0.01mm
打标范围	Marking the scope	56mm × 56mm~300mm × 300mm(可选Optional)
定位方式	Positioning way	红光定位、对焦
环境要求	Environmental requirements	温度Temperature: 0~40℃ 湿度Humidity: 0~95%
打标刻线类型	Marking the groove type	点阵、矢量一体机(既可打点阵又可打矢量) Dot matrix, one machine (both dot matrix can play vector)
打标刻字符行数	Marking engraved lines of characters	在打标范围内任意行 In the marking range of any line
适应生产线速度	To adapt to the production line speed	0~189m/min(具体视材质而定Depending on the material)
机器尺寸	Size of the machine	710mm × 138mm × 183mm

# 选别称系列

## CHECK WEIGHER SERIES



高精度在线选别称  
High-precision online wight checker with rejector



### 主要参数 Main parameters

型号	Model	CW-500	CW-5000
检重范围	Weighing scope	1-500g	10-5000g
最小分辨率	Min identification resolution	0.01g	0.1g
称重精度	Weighing accuracy	±0.3-1g	±0.1g
输送带速度	Belt Speed	32-52m/min	32-52m/min
称重皮带尺寸	Weighing belt size	L400 × W220mm L300 × W130mm	L400 × W220mm(customized)
操作台高度	Working platform height	850 ± 30mm	650 ± 30mm (customized)
电压	Power supply	220V, 50HZ, 500W	220V, 50HZ, 500W
剔除方式	Reject Method	Arm-rejecting/cylinder(depends on bottles)	Cylinder
工作压力	Working pressure	0.6 ~ 0.7Mpa	0.6 ~ 0.7Mpa

# 套标系列

## BOTTLE-SLEEVING SERIES

### 全自动套标收缩机

### Auto sleeving-shrinking machine

#### 主要参数 Main parameters

- ◆ 标签标准长度为100mm，生产速度可根据客户需要而定，标准速度分为：100瓶/分、200瓶/分、300瓶/分、400瓶/分、500瓶/分等系列。
- ◆ 标签长度越短生产速度越快。
- ◆ 瓶子直径：28mm~125mm
- ◆ 标签长度：30mm~250mm
- ◆ 标签厚度：0.035mm~0.13mm
- ◆ 标签材料：PVC、PET、OPS
- ◆ Standard label length of 100mm, production speed can be based on customer needs, the standard speed is divided into: 100 bottles / min, 200 bottles / min, 300 bottles / min, 400 bottles / min, 500 bottles / grading series.
- ◆ M label length, the shorter production faster.
- ◆ Bottle diameter: 28mm ~ 125mm
- ◆ Label length: 30mm ~ 250mm
- ◆ Label thickness: 0.035mm ~ 0.13mm
- ◆ Label material: PVC, PET, OPS

#### 设备尺寸 Voltage specifications

- ◆ 套标机主机尺寸：L2100 × W850 × H2000mm
- ◆ 蒸汽收缩炉：蒸汽用量：50Kg/h  
蒸汽压力：0.1Mpa  
蒸汽式收缩炉体积：L1200 × W500 × H1500mm
- ◆ 电热收缩炉体积：L1200 × W500 × H1600mm
- ◆ 功率：10KW~15KW
- ◆ 电压：3相，380VAC
- ◆ Sleeve labeling machine host size: L2100 × W850 × H2000mm
- ◆ Steam contraction furnace: The amount of steam: 50Kg / hour  
Vapor pressure: 0.1Mpa  
Steam shrink tunnel volume: L1200 × W500 × H1500mm
- ◆ Electrical Shrink furnace volume: L1200 × W500 × H1600mm
- ◆ Power: 10 ~ 15KW
- ◆ Voltage: 3phase 380V AC



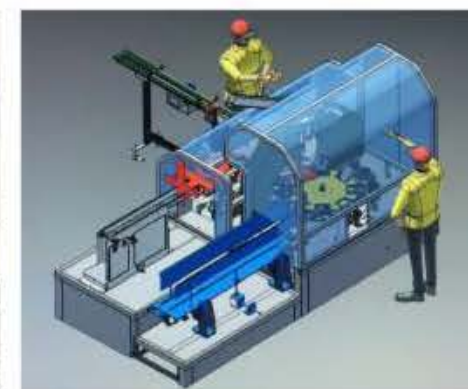
#### 电压规格 Voltage specifications

- ◆ 单相主机：AC220V，50/60HZ，1.52KW
- ◆ 3相主机：AC380V，50/60HZ，2KW，3相
- ◆ 收缩炉：AC380V，50/60HZ，15KW(电热)，3相
- ◆ Host: AC220V, 50/60HZ, 1.52KW
- ◆ Single-phase or host: AC380V, 50/60Hz, 2KW, 3 phase
- ◆ Shrink tunnel: AC380V, 50/60Hz, 15KW (electric), 3-phase

## 全自动装盒机 Fully automatic box packing machine

### 性能参数 Performances Parameters

- ◆设备转产快捷(换规格时间15分钟左右);
  - ◆充分保护纸盒表面;
  - ◆对纸盒的适应性广: 适应纸盒大小范围广; 不同的插舌方式(卡扣; 摩擦扣); 不同方向插舌的纸盒(水平式插舌或反向插舌); 不同克重的白卡纸;
  - ◆设备占地面积小;
  - ◆设备实际使用成本低。
- 
- ◆Speedy transferring of equipment ( specified time is around 15 minutes);
  - ◆Fully protect the surface of paper box;
  - ◆Wide application of the paper box: suitable for the wide range of paper box size, different inserting tongue methods (snap-on button, frictional button); the paper box with different inserting tongue (horizontal inserting tongue or opposite inserting tongue); different grams of white card;
  - ◆The floor area of equipment is small;
  - ◆Actual using cost of the equipment is low;



# 热膜包装系列

## OVERWRAPPING PACKAGING SERIES

半自动热收缩包装机  
Semi-auto sleeving overwrapper



全自动加纸托热收缩包装机  
Auto tray-forming and sleeving overwrapper



### 主要参数 Main parameters

型号	Model	HG-300	HG-500ZT
适用	Application	适用无底托、半托、纸箱，无论方形、圆形、扁形或异形均可包装完美； 更换瓶型和包装规格调节方便。 Suitable for packs without tray, semi-tray, or cartons, easy to adjust to meet different bottles or packing spec	自动送垫板，自动整理上托，纸托成行，自动套膜收缩等功能 Suitable for packs with tray, it can do auto backing board infeed, auto tray forming, auto sleeving & shrinking etc
最大包装尺寸	Max packing size	L420*W300*H350mm	L450*W350*H350mm (customized)
产量	Capacity	8-12pcs/min	3-5pcs/min
电压	Voltage	380V 50Hz 3P 16-24KW	380V 50HZ 3P 28-30KW
尺寸	Dimension	L5850*W1200*H1600mm	L10000*W2500*H1950mm

# 装箱系列

CARTONING PACKAGING SERIES



全自动开箱机  
Auto carton-opening machine

全自动抓取装箱机  
Auto manipulator carton-loading machine

全自动封箱机  
Auto carton-sealing machine



## 主要参数 Main parameters

名称 Name	全自动开箱机 Auto carton-opening machine	全自动抓取装箱机 Auto manipulator carton-loading machine	全自动封箱机 Auto carton-sealing machine
适用范围 Application	此智能化自动开箱，装箱，封箱系列适用于各类塑料瓶，玻璃瓶和各类罐体的自动化终端箱式包装，精准稳定，自动化程度高，大大节省人力。 The intelligent auto carton-opening-loading-sealing series is suitable for auto terminal carton packaging of various plastic bottles, glass bottles & cans etc, accurate & reliable, with high automation, saving work tense.		
最大适用箱尺寸 Carton size	L200-450*W150-400*H100-350mm (customized for other sizes其他尺寸可定制)		
产量 Capacity	8-12pcs/min (high-speed 20-25pcs/min)	10-20pcs/min	15-20pcs/min
电压 Voltage	220V/380V 50HZ 0.5KW	220V/380V 50HZ 3.5KW	220V/380V 50HZ 0.6KW

# 码垛系列

## STACKING PALLETIZER SERIES

全自动机械式供栈码垛机  
Auto mechanical stacking palletizer

全自动封箱机  
Auto carton-sealing machine



### 主要参数 Main parameters

名称	Name	全自动机械式供栈码垛机 Auto mechanical stacking palletizer	全自动机器人码垛系统 Auto robot palletizing system
适用范围	Application	<p>适用各类纸箱，塑胶箱，桶装包装物，袋装包装物等。可将包装物按一定排列码放在托盘上，进行自行堆码，可堆码多层，然后推出，便于叉车运行至仓库储存。操作简单方便，运行稳定可靠。</p> <p>Suitable for various cartons, barrels, or bags packages. It puts the packs on the pallet orderly, and does stacking, then pushes the pallet out for forklift delivery to warehouse. The operation is simple and convenient, running stably and reliably.</p>	<p>码垛机器人适用类纸箱、桶装包装物、袋装包装物，盒装物的码垛/装箱。机身小巧，配以运动控制和跟踪性能，具有极高的精度，非常适合应用于柔性包装系统，大大缩短了包装周期时间。</p> <p>Robotic stacker crane is suitable for various cartons, barrels, or boxes packaging or cartoning. With less space-taking, equipped with motion control and tracking performance, it's especially good for flexible packaging system, with high accuracy &amp; shortening the package period a lot.</p>
适用栈板	Suitable pallet	L1200*W1200mm	L1200*W1200mm
产量	Capacity	10-20pcs/min	20-30pcs/min
机器尺寸约	Dimension	L7300*W4100*H3300mm	L3000mm*W1700mm*H2600mm

# 袋装机系列

Sachet packaging series



## GHDXD

全自动膏液/颗粒/粉体包装机(大剂量)

Auto sachet packing machine (for liquid/granules/powder)



### 主要参数 Main parameters

下料方式	Filling device	DXD480Y	DXD720Y	DXD960Y
下料方式	Filling device	2-6 lane	4-10 lane	4-12 lane
包装容量	Filling volume	1-50ml/1-100ml (customized)		
袋子尺寸	Sachet size	L45-120 x W35-120mm		
袋子类型	Bag style	三边封、四边封，方形袋；或背封条形袋 Three or four sides, rectangle sachets; or stick sachets.		
控制方式	Control style	PLC system + touch creen		
机箱外观	Bodyshell	不锈钢板 Stainless steel		
功能概述	Function	该机可自动完成计量、制袋、填充、封合、切断、打印生产日期、切易撕口等工序。 It can automatically make bags, fill, seal, cut the bags, online printing & make easy-tearing notch, conveying etc.		

# 袋装机系列

## Sachet packaging series



### GHDXD

#### 全自动膏液/颗粒/粉体包装机(小剂量)

#### Auto sachet packing machine (for liquid/granules/powder)



#### 主要参数 Main parameters

名称	Name	膏液包装机 Liquid/paste packer	颗粒包装机 Granule packer	粉体包装机 Powder packer
下料方式	Filling device	泵 Pump	容积杯 Volumetric cup	Auger
袋子类型	Bag style	三边封、四边封，方形袋；或者，背封条形袋 Three or four sides, rectangle sachets; or stick sachets.		
控制方式	Control style	PLC system +LCD creen		
机箱外观	Bodyshell	钢板喷漆或不锈钢板 Stainless steel, or painted steel		
功能概述	Function	该机可自动完成计量、制袋、填充、封合、切断、打印生产日期、切易撕口等工序。 It can automatically make bags, fill, seal, cut the bags, online printing & make easy-tearing notch, conveying etc.		
适用膜宽	Suitable film	≤200mm		≅ 300mm
包装容量	Filling volume	1-50ml		1-500ml
袋子尺寸	Sachet size	L 40-150mm; W 15-100mm		L40-200mm; W20-140mm

## GHDXD 全自动膏液/颗粒/粉体包装机(大剂量) Auto sachet packing machine (for liquid/granules/powder)



### 主要参数 Main parameters

名称	Name	膏液包装机 Liquid/paste packer	颗粒包装机 Granule packer	粉体包装机 Powder packer
下料方式	Filling device	泵 Pump	容积杯 Volumetric cup	Auger
袋子类型	Bag style	三边封、四边封，方形袋；或者，背封条形袋 Three or four sides, rectangle sachets; or stick sachets.		
控制方式	Control style	PLC system +LCD creen		
机箱外观	Bodyshell	钢板喷漆或不锈钢板 Stainless steel, or painted steel		
功能概述	Function	该机可自动完成计量、制袋、填充、封合、切断、打印生产日期、切易撕口等工序。 It can automatically make bags, fill, seal, cut the bags, online printing & make easy-tearing notch, conveying etc.		
适用膜宽	Suitable film	≅ 420mm		≅ 520mm
包装容量	Filling volume	1-1000ml		1-3000ml
袋子尺寸	Sachet size	L100-310×W100-200mm		L100-400×W100-250mm

# 预制袋包装系列

AUTO POUCH FILLING SEALING SERIES

## GHAFS-8-300

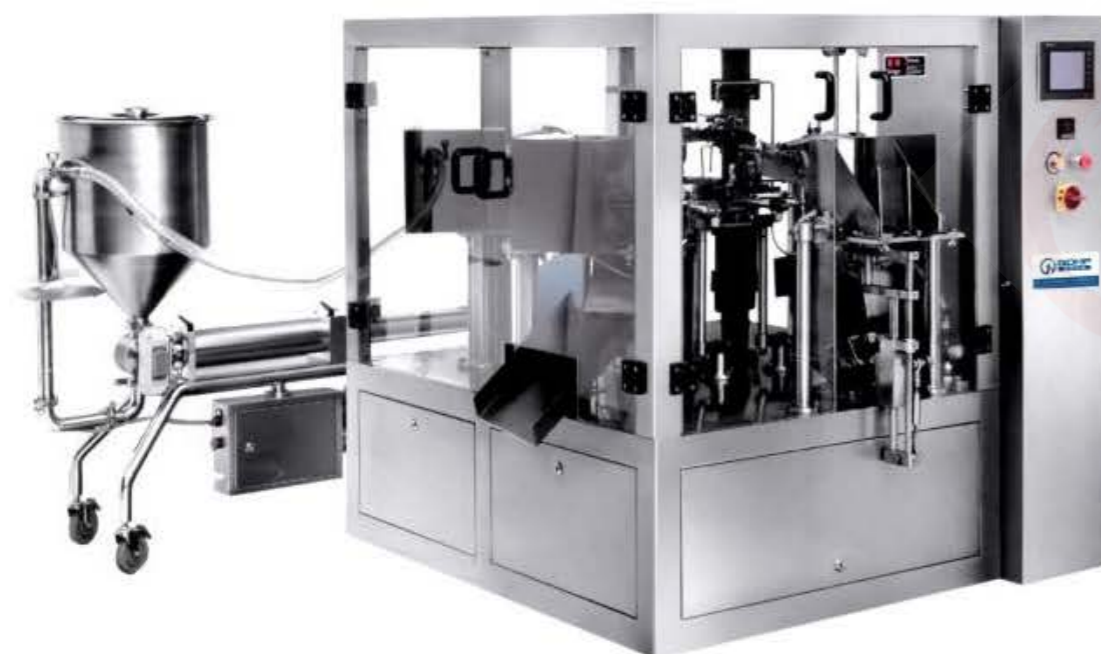
给袋式自动膏液/粉体灌装封口机(单袋机)

Auto pouch liquid/powder filling sealing machine

### 适用范围 Application

给袋式包装机可实现对各种液体、酱体、粉剂、颗粒等的自动灌装封口包装，适用各种自立袋，弧嘴袋，拉链袋等。

This auto pouch packaging machine is suitable for various pouch filling & sealing for liquid, viscous liquid, paste & powder, granules, widely used for various stand pouch, doypack etc.



# 袋装机系列



## GHAFS-D8-150 给袋式自动膏液灌装封口机(双袋机) Auto dual-lane pouch liquid filling sealing machine



### 主要结构 Main structure

- ◆ 袋槽/输送带送袋及真空上袋
  - ◆ 色带打码(可无)
  - ◆ 开袋及气吹装置
  - ◆ 1次灌装
  - ◆ 2次灌装
  - ◆ 空位
  - ◆ 1次封口
  - ◆ 2次封口及放袋
  - ◆ 中心转盘及抓袋撑袋装置
  - ◆ PLC及电控机构
- ◆ Magazine pouch storage/conveying belt & vacuum pouch infeed
  - ◆ Coding ribbon set (it can be not used based on needs)
  - ◆ Bag vacuum opening set and air blowing
  - ◆ 1st Filling nozzle
  - ◆ 2nd Filling nozzle
  - ◆ Empty station
  - ◆ 1st hot sealing jaw
  - ◆ 2nd hot sealing jaw & pouch exit belt
  - ◆ Central rotary tables and bag keeping with prebag opener set
  - ◆ PLC & electrical cabinet system

### 主要参数 Main parameters

型号	Model	GHAFS-8-300	GHAFS-D8-150
灌装量	Filling scope	100-1500ml (customized)	100-1000ml
灌装精度	Filling error	$\leq \pm 1\%$	
袋宽	Suitable pouch width	150-300mm	90-150mm
袋长	Suitable pouch length	150-400mm	120-350mm
灌装头数	Filling head	2-nozzle	2-nozzle
封口头数	Sealing head	2-head	2 head/3-head
产量	Capacity	15-30bags/min (based on material)	30-60bags/min (based on material)
电压	Voltage	380V 50HZ 3.5KW	380V 50HZ 5KW
气压	Air pressure scope	$5\text{kg}/\text{cm}^2 \sim 8\text{kg}/\text{cm}^2$	
外形尺寸	Dimension about	2200*1800*1800mm	3100*1800*1800mm
毛重	Gross weight	1500kg	2200kg

# 预制袋包装系列

## AUTO POUCH FILLING SEALING SERIES

**GH**

**吸嘴袋自动膏液灌装旋盖机**

**Auto spout bag liquid filling capping machine**



### 适用范围 Application

此一体机可实现对各种带嘴袋包装的各类液体、酱体等的自动灌装旋盖，广泛用于果汁饮料，化妆品，食品，日化等。

This monoblock is to fill and cap spouted stand-up pouch with jelly, juice, oil, water, detergent, cosmetics and other liquid or paste alike.

### 生产流程 Workflow

人工挂袋 → 自动灌装 → 自动理盖下盖 → 自动旋盖 → 自动出袋

Labor hanging pouches → auto 4-nozzle quantitatively liquid filling → auto quantitatively liquid filling → auto cap loading and feeding → auto 4-head cap screwing → auto pouch discharging



# 封尾机包装系列

## TUUBE PACKAGING SERIES



**GHFS-16A**  
半自动铝管灌装封尾机  
Semi-auto alumi tube filling sealing machine

**GHAFS-16A**  
全自动自动铝管灌装封尾机  
Auto alumi tube filling sealing machine



主要参数 Main parameters		半自动 Semi-auto alumi tube machine	全自动 Auto alumi tube machine
名称 Name			
灌装容量 Filling volume		1-100ml (customized)	
灌装精度 Filling precision		≤ ± 1%	
产量 Capacity		25-35pcs/min	40-50pcs/min
尺寸(L*W*H) Dimension		1200*950*1650 mm	1700*1250*2000mm
选配 Optionally		1.自动上管装置; 2.料桶加热/搅拌功能; 3.管子输送带+选别称; 4.自动装盒机 1.Auto tube unscrambling-feeding system; 2.Hopper heating/mixing function; 2.tube exit belt & weight checking machine; 4.atuo tube boxing machine	

# 封尾机包装系列

## TUUBE PACKAGING SERIES

### HAFS-10P

#### 全自动软管灌装封尾机

#### Auto plastic tube inner-heating filling sealing monoblock

主要参数 Main parameters		
适用	Applcation	适用各种全塑复合管和铝塑复合管的自动灌装封尾 Suitable for auto tube filling sealing of various plastic composite tubes & alumi plastic composite tubes
加热方式	Heating cooling way	内加热外冷却 Inner heating+ outer chiller cooling
灌装容量	Filling volume	1-100ml (customized)
灌装精度	Filling precision	≤ ± 1%
产量	Capacity	40-50pcs/min (high-speed customized: 60-80BPM)
尺寸(L*W*H)	Dimension	1700*1250*2000mm
选配	Optionally	1.冷水机; 2.自动上管装置; 3.料桶加热/搅拌功能; 4.管子输送带+选别称; 5.自动装盒机 1.chiller; 2.Auto tube unscrambling-feeding system; 3.Hopper heating/mixing function; 4. tube exit belt & weight checking machine; 5.atuotube boxing machine



# 彩妆系列

## COLOR COSMETIC PACKAGING SERIES



### 孔笔形彩妆灌装机

#### Auto 12-nozzle pen-type color cosmetic filling machine

#### 适用范围 Application

本机专门用于各类笔式彩妆产品的膏液充填，广泛用于各类睫毛膏，眼线/液笔，眉笔，唇笔，塑料旋转笔，口红唇膏等生产。

This filling machine is suitable to fill hot liquid or paste into various pen-type cosmetic products, such as mascara, eye liner/liquid pen, eyebrow pen, lip pencil, plastic rotating pen, lip balm, lip gloss etc.

#### 主要结构 Main structure

- ◆采用伺服活塞灌装，灌装量可直接在触摸屏设置，机械动作确保精准充填。
- ◆本机设计自动进模，自动灌装，自动升降模具，模具升降伺服控制，操作简单方便。
- ◆采用优质不锈钢双层料桶加热搅拌，可根据生产要求，设计单桶双桶，提高生产效率。
- ◆采用PLC机及触屏控制，智能温控，变频调速，可自动计数，保存配方。
- ◆主要采用优质不锈钢及加重铝型材制作，物料接触部分的不锈钢均采用优质316制作，整机美观大方，经久耐用。
- ◆Adopting servo piston filling, filling volume can be adjusted directly via touch screen, and with high filling precision.
- ◆With auto lipstick mold infeed, mold lifting, & lipstick filling, mold lifting servo control, convenient to operate.
- ◆Designed with dual-layer mixing heating tanks, and 1 tank or 2 tanks as option for highly efficient production.
- ◆With PLC, touch screen to operate, intelligent temp controlling, auto counting & with formula saving.
- ◆Mainly made from top-quality stainless steel & alumi alloy, all steel parts contacting liquid are SUS316, delicate & durable.



#### 主要参数 Main parameters

灌装头数	Filling nozzle	12 nozzles
灌装范围	Filling scope	1-7ml / 3-15ml
产量	Capacity	6-10 moulds/min (72-120BPM)
工作气压	Air pressure	0.4-0.7MPa
工作电压	Voltage	220V 5/600Hz 1P
功耗	Machine power	4-6KW
外形尺寸	Dimension	1300 x 950 x 1900mm

# 彩妆系列

## COLOR COSMETIC PACKAGING SERIES

### 口红/唇膏/唇彩灌装生产线 lipstick/lipbalm/lipgloss filling production line



#### 产品简介 Product introduction

口红半自动灌装线可用于各类硅胶口红模、普通金属口红模、及护唇膏等系列产品的生产。设备简单经济，稳定耐用，通用性强，口红形状可做不规则变化，更换模具生产简单便利，是目前彩妆市场上最受欢迎的产品之一。  
据生产工艺及具体生产要求，定制全套加工包装方案。

Our semi-auto lipstick filling line is suitable for the production of various silicone lipstick moulds, alumi mould lipsticks, and lipbalm products. With its humanized design, economical investment & flexible adaptability, it's the most welcome packaging series in color cosmetic production. As for different lipstick heads design, it only needs replacing the lipstick molds to meet the quick production changeover, simple & easy.  
Based on specific production technics & requirements, we can supply one-stop customized proposal & equipment.



## 散粉/粉饼(眼影, 腮红)生产线 Loose powder/pressed powder (eyeshao/face blush) packaging production line



半自动粉体灌装机采用伺服螺杆灌装，操作简单，精度高，故障率低，适用于各种食品粉，化妆品粉，药粉机化工粉的定量灌装。

Our semiauto powder filling machine adopts servo auger system to do powder filling; easy to operate & with high filling precision, suitable for various powder filling in foodstuffs, cosmetics, pharmaceuticals, pharmaceuticals, & chemicals fields.

下压式压粉机适用于各种粉饼，眼影，腮红的成型。采用下压方式，压力可调，是生产高端粉饼的理想包装设备。

Down-type powder compacting machine is suitable for the forming of powder cake, eyeshadow, and blusher etc. With down-type pressing, the pressing force can be easily adjusted, combined with fiber cloth, it's the assurance for top-quality products.

上压式压粉机适用于各类粉饼，眼影，腮红的成型。采用上压方式，通用性强，只需简单更换模具，即可用于各式粉饼生产，单色，双色，多色包装等。

Up-type powder compacting machine is suitable for various powder compacting forming, like powder cake, eyeshadow, and blusher etc, with wider application, not only for single color, dual-color powder cakes, also for multi-color cake making. Easy to meet different packages & products with the moulds assistance, economical & durable.



# 彩妆系列

## COLOR COSMETIC PACKAGING SERIES

CC霜/气垫遮瑕霜生产设备  
CC Cream/cushion foundation cream filling machine

全自动指甲油灌装旋盖一体机  
Auto nail polish filling capping monoblock



### 主要参数 Main parameters

名称	Name	CC cream filling machine	Nail polish machine
灌装头数	Filling nozzle	4 nozzles	1 / 2 nozzles (based on bottles & capacity)
灌装范围	Filling scope	1-30ml	1-30ml (customized)
产量	Capacity	4-5 moulds/min (25-30BPM)	20-35BPM
工作气压	Air pressure	0.4~0.7MPa	0.4~0.7MPa
工作电压	Voltage	220V 50/60Hz 1P 2.5KW	220V 50/60Hz 1P
外形尺寸	Dimension	L1300 × W1200 × H1600mm	L2500 × W1450 × H2000mm

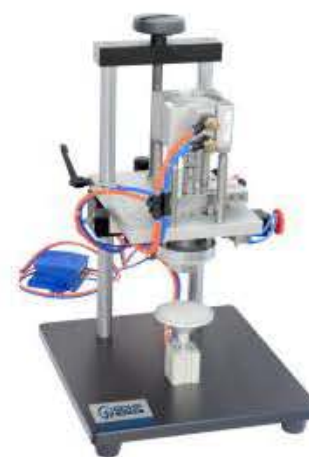
## 香水成套设备 Perfume complete devices



多头香水灌装机  
Multi-heads perfume filling machine



四头香水自动灌装机  
Four heads perfume automatic filling machine



轧盖机  
Capping machine

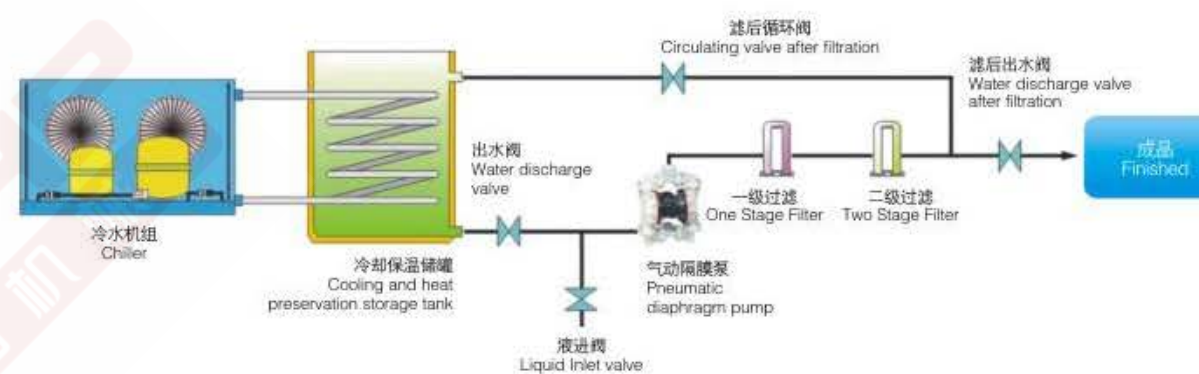


压盖机  
Capping machine



可移动式二级过滤装置  
Movable secondary filtering devices

### 工艺流程 Process flow



### 主要参数 Main parameters

容量	Capacity	200L	300L	500L	1000L
冷冻功率	Cooling power	3P	5P	10P	15P
冷冻容量	Cooling capacity	200 L	300L	500L	1000L
过滤精度	Filtering precision	0.2 μm	0.2 μm	0.2 μm	0.2 μm

# 气雾剂系列

## AEROSOL SERIES

### 全自动气雾灌装机

#### Automatic aerosol filling machine

该生产线具有高效率、高精度的特点，可灌装国际通用的一寸罐口规格的马口铁，铝质气雾罐。适用于灌装水、油乳液溶剂等中等粘度的溶物。并适用LPG、F12、DME、N2等多种抛射剂装填。也可用于食品、化工、日化、医药等行业的液体灌装。

The production line with high efficiency, high precision, and suit for all kinds of universal 1 inch can's neck for Tin can, aluminum can. Suitable for filling water, oil, lotion and other medium viscosity solubles. The Propellant can be LPG, F12, DME, N2, etc. also the machine can be used for liquid filling in food, chemical, cosmetic, pharmaceutical industries.



三合一气雾剂灌装机  
3 in 1 Aerosol filling machine



# 调配系列

## MIXING SERIES



上搅拌下均质乳化机  
Down homogenizing emulsifier



上搅拌上均质乳化机  
Up homogenizing emulsifier



内外循环真空均质乳化机  
Internal & external circulating vacuum emulsifier



### 主要参数 Main parameters

序号 Serial No.	规格 Specification	主锅 Main pot	水锅 Water pot	油锅 Oil pot	主锅功率 Power of main pot		水油锅(功率×2) Water pot and oil pot(Power×2)		液压升降 Snorkels	倾倒系统 Dumping system	真空泵功率 Vacuum pump power
		容积 Volume			刮壁 Wall scraping	均质 Homogenizing					
		L	L	L	KW	KW	KW		KW	KW	KW
1	GHEM-5A	5			0.37	0.75					0.25
2	GHEM-10A	10		5	0.37	2.2		0.18	0.75		0.25
3	GHEM-20A	20		10	0.37	2.2		0.4	0.75		0.25
4	GHEM-50A	50	40	25	0.37	4	0.75	0.75	0.75	0.75	0.81
5	GHEM-100A	100	80	50	1.5	4	1.1	1.1	1.5	0.75	1.45
6	GHEM-200A	200	160	100	2.2	7.5	1.5	1.5	1.5	0.75	2.35
7	GHEM-300A	300	240	150	3	7.5	2.2	1.5	1.5	0.75	2.35
8	GHEM-500A	500	400	250	4	11	2.2	2.2	1.5	0.75	2.35
9	GHEM-1000A	1000	800	500	7.5	15	4	3	2.2	0.75	3.85
10	GHEM-2000A	2000	1600	1000	11	18.5	5.5	5.5	2.2	0.75	5.5

注：本表中的数据因技术改进、定制而不符，以实物为准。

Note: In case of inconformity of the data in the form due to technical improvement or customization, the real object shall prevail.

# 调配系列

## MIXING SERIES



### 主要参数 Main parameters

序号 Serial No.	规格 Specification	容积 Volume	搅拌功率 Blending power	搅拌转速 Blending rotation speed	均质功率 Homogenizing power	均质转速 Homogenizing rotation speed	加热方式 Heating Method
		L	KW	r/min	KW	r/min	
1	GHM-200	200	1.5	0~65	4	3000	蒸汽加热 或电加热 Steam heating Or electric heating
2	GHM-500	500	4	0~65	4	3000	
3	GHM-1000	1000	7.5	0~65	7.5	3000	
4	GHM-1500	1500	7.5	0~65	11	3000	
5	GHM-2000	2000	7.5-11	0~53	11	3000	
6	GHM-3000	3000	11	0~53	18.5	3000	
7	GHM-5000	5000	15	0~53	22	3000	

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# 单机及辅助包装系列

## AUXILIARY PACKAGING SERIES



齿轮泵灌装机  
Gear pump filler



活塞灌装机  
Piston filler



称重灌装机  
Weighing filler



立式膏霜(热)灌装机  
Vertical cream (hot) filler



立式膏霜(热)灌装机  
Vertical cream (hot) filler



蠕动泵灌装机  
Peristaltic-pump filler



半自动轧盖机  
Peristaltic-pump filler +  
crimping machine



多功能旋盖机  
Semi-auto round labeler



半自动贴标机  
Conveying platform



输送包装平台  
Multifunctional capper

# 单机及辅助包装系列

## AUXILIARY PACKAGING SERIES



V型混合机  
V-mixer



可倾式夹层锅  
Tilting jacketed boiler



移动式转子泵  
Movable rotor pump



搅拌罐  
Mixing tank



卫生级储罐  
Sanitary storage tank



真空上料机  
Vacuum powder feeder



电锅炉  
Steam generator



半自动烟包机  
Semi-auto 3-D packer



三维包装机  
3-D cellowrapper



L型封切机  
L-type sealing cutter



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