

郑州优孚机械有限公司

Zhengzhou Uniflow Machinery Co., Ltd.



灌装机系列

Filling Machine Series

Tel:+86 17836950183

WhatsApp:+86 17836950183

E-mail:info@uniflowpack.com

Web:www.uniflowpack.com

全自动液体灌装机

AUTOMATIC LIQUID FILLING MACHINE



简要说明

适用于不同规格容器的灌装，可在数分钟内切换灌装规格，灌装周期短、生产能力高。更换灌装规格无需增添备件，只需作调整即可完成，用户可根据自己的生产能力选择灌装数量确定灌装头数，触摸式操作彩屏，可显示生产状况、操作程序、灌装方式等，画面直观、操作简单、维护方便。每个灌装头设有卡瓶口设置、确保注料对位准确。设计选用直线式分组进瓶、出瓶的方式、使灌装功能扩展，各种形状的容器、都能在本设备有效灌装，选用国际先进的气体灌装阀，确保灌装过程无滴漏、无垂涎，强大的PLC软件支持，可实现理想的灌装作业，人机界面，所有操作均在触摸式彩屏上完成灌装采用固定流道参数，控制灌装时间来实现不同计量的灌装。气动阀灌装的精确时间可设定到0.01秒，能使计量精确度控制在±1%误差范围，减少不必要的物料损耗，提高用户经济效益。每个灌装头的计量可以进行单独调整，以实现灌装计量的一致。本机设定了进瓶技术程序、无瓶、计数不到位不灌装，只有当计数器记录到的瓶数与设定的灌装瓶数一致时才开始灌装。灌装量的多少，可以进行初调到所需灌装量时，再进行微调，即可得到理想的灌装计量精度。

注：灌装范围和速度可依据用户需求来设计不同的灌装头数。

技术参数 / Specifications

型号 / Model	UF-GZL-6L	UF-GZL-8L	UF-GZL-10L	UF-GZL-12L
灌装范围 / Filling range	50 ~ 1000ml	50 ~ 1000ml	50 ~ 1000ml	50 ~ 1000ml
罐装速度 / Filling Speed	<30瓶/分钟 (指100~500毫升范围) <30bottles/min (Base on100 ~ 500ml)	< 40瓶/分钟 (指100~500毫升范围) <40bottles/min (Base on100 ~ 500ml)	< 50瓶/分钟 (指100~500毫升范围) <50bottles/min (Base on100 ~ 500ml)	< 60瓶/分钟 (指100~500毫升范围) <60bottles/min (Base on100 ~ 500ml)
计量精确/Measurement accuracy	± 1%	±1%	± 1%	± 1%
额定功率、电压 / Power	1.0 kW, 220 V	1.2kW, 220 V	1.2 kW, 220 V	1.5 kW, 220 V
工作气压/Working air pressure	0.6 ~ 0.7 MPa	0.6 ~ 0.7 MPa	0.6 ~ 0.7 MPa	0.6 ~ 0.7 MPa
耗气量 / Gas consumption	0.5-0.7m3/min	0.5-0.8m3/min	0.6-0.9m3/min	0.8-1m3/min
机器净重 / Weight	450kg	500kg	550kg	600kg

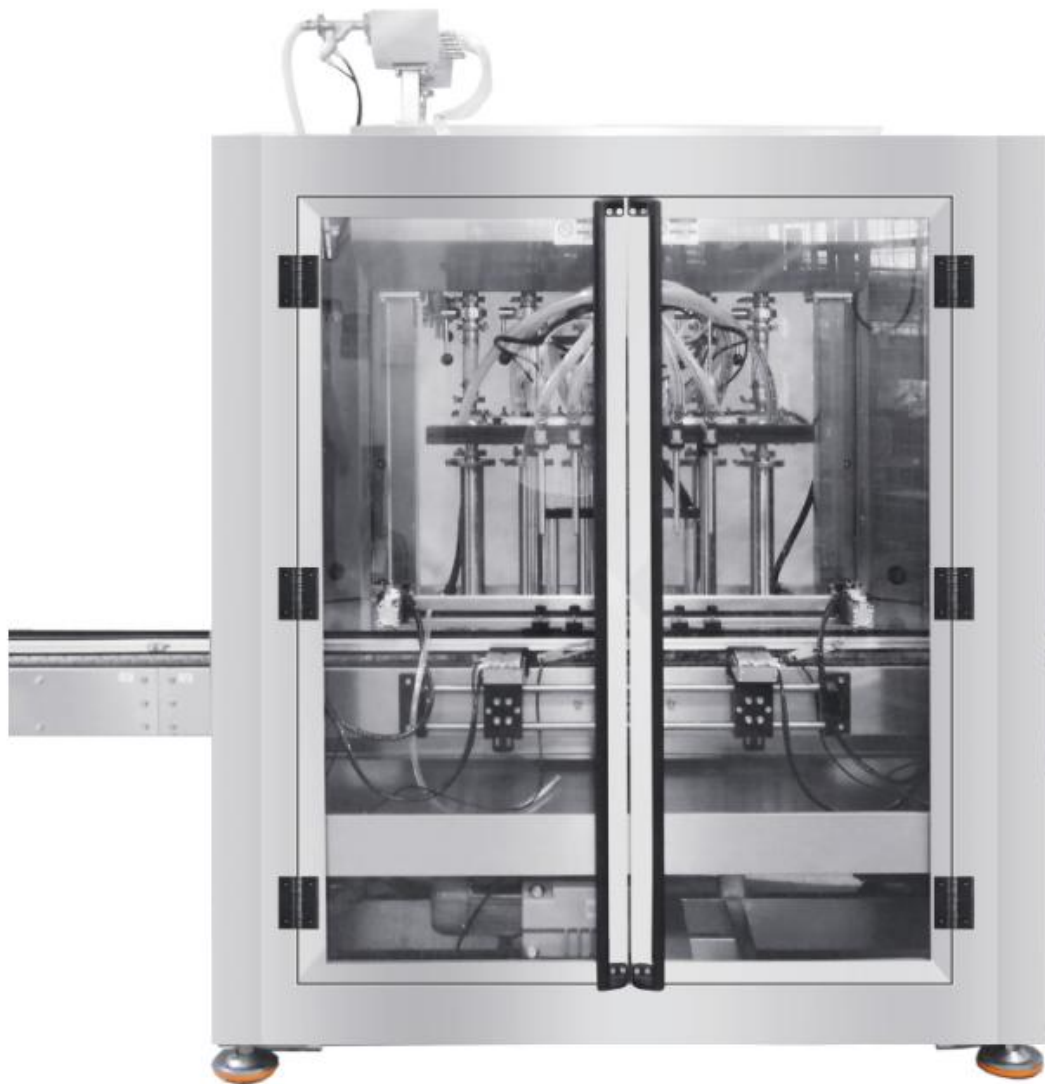
INTRODUCTION

This integrated high-tech equipment adopts PLC programmable control, photoelectric sensing and pneumatic components. It is widely used for filling edible liquids (liquor, sauce, oil, syrup, mineral water) and chemical/pesticide liquids. It features high precision, no foam and no leakage. Operators can switch filling specifications within minutes without extra parts. Equipped with a color touch screen to display production data and operation guides. Each filling head has a bottle positioning fixture. The advanced pneumatic filling valve ensures zero dripping. The filling time can be accurate to 0.01s, with a tolerance of ±1%. Each head can be adjusted independently. The machine has a bottle detection function: it only starts filling when the preset bottle count is reached.

Note: The number of filling heads can be customized according to customer requirements.

定液位灌装机

CONSTANT LEVEL FILLING MACHINE



简要说明

该机本公司专业研发针对玻璃瓶定液位灌装，是一种由微电脑可编程控制，光电传感，气动执行于一体的高新技术灌装设备。本机型适用于食品类，如：白酒、酱油、醋、红酒植物油、糖浆、矿泉水等可食性液体以及农药化工类液体的灌装。灌装计量精确，无气泡、无滴漏。可适用于50-500ml 100-1000/ML500-5000ML 各种瓶型（包括异型瓶）的灌装适用于不同规格容器的灌装，可在数分钟内切换灌装规格，灌装周期短、生产能力高。更换灌装规格无需增添备件，只需作调整即可完成，用户可根据自己的生产能力选择灌装数量确定灌装头数，触摸式操作彩屏，可显示生产状况、操作程序、灌装方式等，画面直观、操作简单、维护方便。每个灌装头设有卡瓶口设置、确保注料对位准确。设计选用直线式分组进瓶、出瓶的方式、各种形状的容器、都能在本设备有效灌装，选用国际先进的气体灌装阀，确保灌装过程无滴漏、无垂涎，强大的PLC软件支持，可实现理想的灌装作业，人机界面，所有操作均在触摸式彩屏上完成。灌装采用固定流道参数，控制灌装时间来实现不同计量的灌装。气动阀灌装的精确时间可设定到0.01秒，能使计量精确度控制在±1%误差范围，减少不必要的物料损耗，提高用户经济效益。每个灌装头的计量可以进行单独调整，以实现灌装计量的一致。本机设定了进瓶技术程序、无瓶、计数不到位不灌装，只有当计数器记录到的瓶数与设定的灌装瓶数一致时才开始灌装。灌装量的多少，可以进行初调到所需灌装量时，再进行微调，可以启动真空会吸，灌装液面在容器里始终保持一致，即可得到理想的灌装计量精度。

注：灌装范围和速度可依据用户需求来设计不同的灌装头数。

INTRODUCTION

The machine is a high-tech filling equipment integrating microcomputerprogrammable control, photoelectric sensing and pneumatic execution. Thismachine is specially used for food, such as Baijiu, soy sauce, vinegar, red wine,vegetable oil, syrup, mineral water and other edible liquid, as well as the filling of pesticide chemical liquid. Accurate filling and metering, no bubbles, no dripping and leakage. It is applicable to the filling of 50-500ml, 100-1000ml, 500-5000ml bottles (including special-shaped bottles) Suitable for filling different types of containers, it can switch filling specifications in a few minutes, with short filling cycle and high production capacity. No need to add spare parts to replace the filling specifications, just to make adjustments can be completed. Users can choose the filling volume according to their own production capacity to determine the number of filling heads, touch-type operation color screen can display the production status, operating procedures, filling methods, etc.The screen is intuitive, simple operation, easy maintenance. Each filling head is equipped with a bottle-neck setting to ensure accurate injection alignment. The design uses a straight-line method of grouping bottles-in and bottles-out to expand the filling function. Containers of various shapes can be filled effectively in this equipment. The international advanced gas filling valve isselected to ensure no leakage or drooling in the filling process. The powerful PLC software supports the ideal filling operation and man-machine interface. All operations are completed on the touch screen. Filling uses fixed runner parameters to control the filling time to achieve different metering filling. The precise time for pneumatic valve filling can be set to 0.01 seconds, which can enable the measurement accuracy to be controlled within #1% error range, reduce unnecessary material loss, and improve user economic efficiency. The metering of each filling head can be individually adjusted to achieve consistent filling metering.The machine has set the bottle entry technology program, and no bottle or no counting is not filled.The filling is only started when the number of bottles recorded by the counter matches the set number of filled bottles. The amount of filling can be adjusted to the required amount of filling, and then fine-tuning, you can get the ideal filling measurement accuracy.

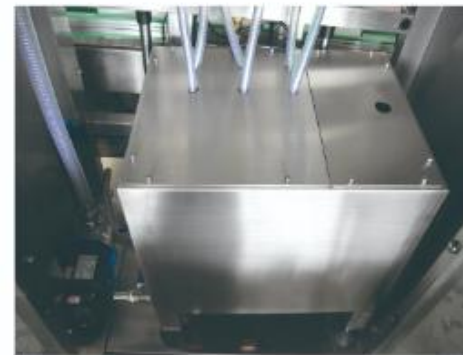
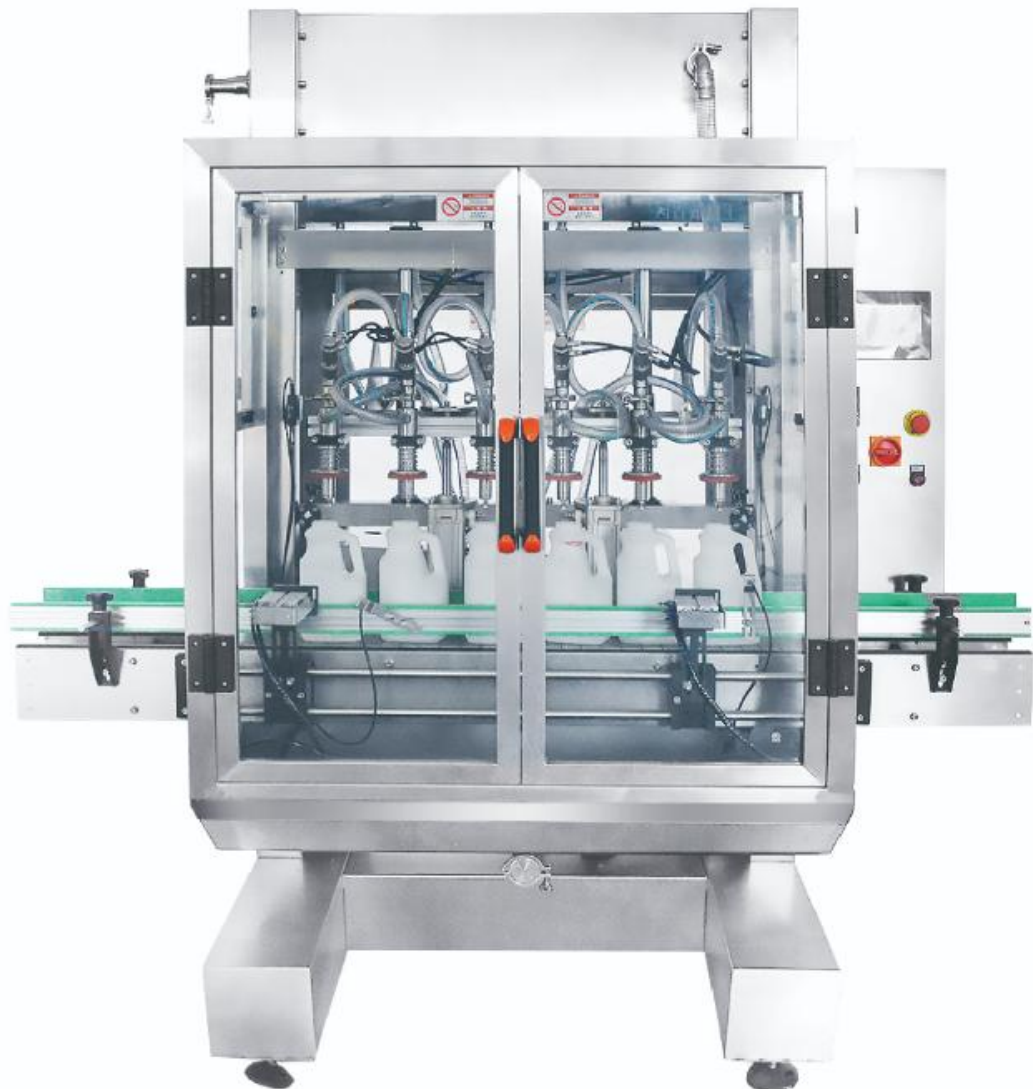
Note: Filling range and speed can be designed according to user needs todifferent filling heads.

技术参数 / Specifications

型号 /Model	UF-GZL-6L	UF-GZL-8L	UF-GZL-10L	UF-GZL-12L
灌装范围 / Filling range	50 ~ 1000ml	50 ~ 1000ml	50 ~ 1000ml	50 ~ 1000ml
灌装速度 /Filling speed	<30瓶/分钟 (指100~500毫升范围) < 30bottles/min (Base on100 ~ 500ml)	< 40瓶/分钟 (指100~500毫升范围) < 40bottles/min (Base on100 ~ 500ml)	< 50瓶/分钟 (指100~500毫升范围) < 50bottles/min (Base on100 ~ 500ml)	< 60瓶/分钟 (指100~500毫升范围) <60bottles/min (Base on100 ~ 500ml)
计量精确度/Masurement accuracy	± 1%	± 1%	± 1%	± 1%
额定功率 . 电压 /Power	1.75kw. 220v	2.1kw. 220v	2.5kw, 220v	2.8kw. 220V
工作气压/Working air pressure	6-7公斤/平方厘米/ 6- 7kg/cm2	6~7公斤/平方厘米/6~7kg/cm2	6~7公斤/平方厘米/6~7kg/cm2	6~7公斤/平方厘米/6~7kg/cm2
耗气量 / Gas consumption	0.5 ~ 0.7 m³/min	0.5-0.8m³/min	0.6-0.9m³/min	0.8-1m³/min
机器净重 /Weight	450kg	500kg	550kg	600kg

全自动溢流灌装机

FULLY AUTOMATIC OVERFLOW FILLING MACHINE



产品特点c’p

- 1、采用世界知名品牌的电器和气动元件，故障率低，性能稳定可靠，使用寿命长;
- 2、与物料接触均为304或316L不锈钢制作，耐腐蚀、耐酸碱，拆装简单，易清洗，符合卫生要求;
- 3、灌装量和灌装速度调整简单，智能光电感应，有瓶灌装，无瓶不灌装，液位自动控制加料，方便快捷，节省人工;
- 4、设备兼容性强，无需更换零件，即可快速调整更换不同形状规格的瓶子，可满足多品种，多规格的生产要求;
- 5、灌装嘴设有防滴漏装置，确保灌装无拉丝、不滴漏。
- 6、灌装生产线整机密封操作，符合GMP标准。
- 7、生产线运行平稳，各功能组合方便，维修方便，可根据用户各自产品工艺要求进行多种生产组合。
- 8、灌装速度为:支持快慢双速切换，有效防止物料溢出。
- 9、全中文真彩人机界面，终端显示操作平台采用中文菜单，人机界面分别有参数设定、工作状态、帮助信息、故障警示等功能，直观简便;极大方便了参数的调整及各项功能的测试。

技术参数 / Specifications

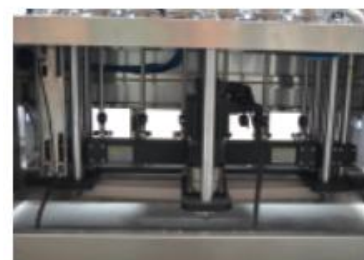
型号 /Model	UF-6L
灌装范围 / Filling range	100-2000ml (可定制)
灌装速度 /Filling speed	< 20-40瓶/分钟 < 20-40bottles/min
电源/ Power supply	220V/50Hz
功率 /Power	2.0kw
装量误差 / Loading error	<+1%
整机尺寸 / Machine dimension	2000×2700×1860mm
机器净重 /Weight	500kg

FEATURES

- 1. Using world famous brand electrical appliances and pneumatic components, low failure rate, stable and reliable performance, long service life.
- 2, All parts in contact with materials are 304 or 316L stainless steel production, corrosion resistance, acid and alkali resistance,
- 3, filling volume and filling speed adjustment is simple, intelligent photoelectric induction, Automatic filling when bottles are detected, no bottle not filling, liquid level automatic control feeding, convenient, fast, save labor;
- 4, the equipment compatibility is strong, does not need to change the parts, can quickly adjust the replacement of different shapes and specifications of bottles, can meet the variety, multi-specification production requirements
- 5, filling nozzle with anti-drip device, ensure no drawing and no dripping.
- 6, filling production line whole machine sealing operation, in line with GMP standards.
- 7. The production line runs smoothly, each function combination is convenient, the maintenance is convenient, may carry on the multiple production combination according to the user respective product craft request.
- 8、 filling speed is: fast and slow two-speed filling, filling speed can be adjusted to prevent material overflow
- 9、 full Chinese true color man-machine interface, terminal display Operation Platform adopts Chinese menu, the man-machine interface has the functions of parameter setting, working state, help information, fault warning and so on.

活塞式全自动灌装机

AUTOMATIC PISTON FILLING MACHINE



简要说明

多头活塞式全自动灌装机是我司集多年生产经验，吸收世界先进技术自行研制开发的新一代自动灌装机。它采用活塞式定量原理，电器和气动元件选用世界知名品牌，由PLC配合人机界面控制，设计新颖、外形美观，具有界面友好，适应性强、操作简单、灌装量准确，维护方便等特点。广泛适用于各种液体、粘稠体、膏体的灌装，更换灌装阀(即变成多头浓酱全自动灌装机)，还可灌装含颗粒的半流体、膏体、酱料等。

INTRODUCTION

The multi-head piston automatic filling machine is a new generation of automatic filling machine developed by our company with many years of production experience and absorbing world advanced technology. It adopts piston-type quantitative principle, electrical and pneumatic components use world-renowned brands, and PLC is used to control the man-machine interface. It features novel design, beautiful appearance, friendly interface, strong adaptability, simple operation, accurate filling volume, and convenient maintenance. Widely used in the filling of various liquids and pastes, replacement of filling valves (that is multi-head thick sauce full-automatic filling machine), It also handles semi-fluids and pastes with particles. sauce. etc.

产品特点

- 1、采用世界知名品牌的电器和气动元件，故障率低，性能可靠，使用寿命长；
- 2、与物料接触均为不锈钢制作。拆美简便。易清洗，符合GMP要求；
- 3、灌装量和灌装速度调整简单，由触摸屏操作和显示，外形美观；
- 4、设有无瓶不灌装功能，液位自动控制加料；
- 5.不需更换零件，即可快速调整各种不同形状规格的瓶子；
- 6、灌装头设有特殊防漏装置，灌装绝无拉丝、滴漏现象。

FEATURES

- 1. Adopts world-famous brands of electrical and pneumatic components, low failure rate, reliable performance, long service life;
- 2. Material contact parts are made of stainless steel, easy to disassemble and assemble, easy to clean and meet the requirements of GMP;
- 3. Easy to adjust filling volume and filling speed, operated and displayed by touchscreen, beautiful appearance;
- 4. With no bottle no filling function, liquid level automatic control feeding;
- 5. No need to change parts, you can quickly adjust the various specifications of the shape of the bottle;
- 6. The filling head is equipped with a special leak-proof device. No wire drawing or drip leakage occurs during filling.

技术参数 / Specifications

型号 /Model	UF-GSF-4	UF-GSF-6
灌装范围 / Filling range	50 ~ 1000ml	50 ~ 1000ml
灌装速度 /Filling speed	< 15-25瓶/分钟 (指100 ~ 500毫升范围) < 15-25bottles/min (Base on 100 ~ 500ml)	<20-35瓶/分钟 (指100~500毫升范围) < 20~ 35bottles/min (Base on 100 ~ 500ml)
计量精确度/Measurement accuracy	± 1%	± 1%
额定功率 . 电压 /Power	2.2kw. 220V	2.5kw, 220V
工作气压/Working air pressure	0.6 ~ 0.7 MPa	0.6 ~ 0.7 MPa
耗气量 / Gas consumption	0.5-0.7m³/min	0.7-0.9m³/min
机器净重 /Weight	600kg	700kg

单头高速灌装机

SINGLE HEAD HIGH SPEED FILLING MACHINE



简要说明

全自动活塞式灌装机采用活塞定量灌装，进瓶、定位、充填、出瓶均由PLC自动控制,符合GMP标准、适用医药、食品、日化、农药及精细化工等多品种产品灌装

INTRODUCTION

The automatic piston filling machine adopts quantitative filling at the plunger; bottle in, positioning, filling and bottle out are all automatically controlled by the PLC, conforming to the GMP standard. Applicable for medicine, food, daily chemicals, pesticides and fine chemicals, and other varieties of product filling.

产品特点

FEATURES

- 1、触摸屏式提作界面；
- 2、上下运动式充填,有效防止泡沫产生，方便拆洗；
- 3、充填精度可达主1%；
- 4、充填缸经研磨处理,独特的充填网设计,不滴藏；
- 5、附无瓶不灌装，积瓶自动停机功；
- 6、根据瓶子的实际情况设计不同的定位装置；
- 7、设备清洗方便,可无工具拆装,亦可在线清洗或高温灭菌；
- 8、PLC可程式控制，深用日本三菱；
- 9、支频器采用法国施耐德；
- 10、气动元件采用台湾亚德客；
- 11、设备接触物料材质采用SUS304不锈钢；
- 12、设备符合卫生,安全标准，用户可以选择玻璃防护罩。

- 1、 Touch screen operation interface:
- 2、 Up and down movement type tilling, effectively prevent the foam from being produced, easy to take apart and wash,
- 3、 The filling accuracy can reach = 1%
- 4、 The filling cylinder is ground, unique filling valve dasign, no leakage;
- 5、 No filling without bottle and automatic shutdown function for bottle aboumulation,
- 6、 Design different positioning devices according to the actual situation of the bottle:
- 7、 The equipment is easy to clean and can be disassombled without tools. it can alsa ba cleaned online or sterlized at high temperature;
- 8、 PLC programmable control use Japan Mitsubishi;
- 9、 Frequency converter adopts France Schneider;
- 10、 Pneumatic components adopt Taiwan Airtac;
- 11、 Material contact parts are hyide of SUS304 stainiess steal;
- 12、 The equipment meets the hygiene and safety standards. The user can choosethe glass protective cover,

技术参数 / Specifications

型号 /Model	UF-GHS-1	AF-GSF-2
灌装范围 / Filling range	50 ~ 1000ml	50 ~ 1000ml
灌装速度 /Filling speed	<20-40瓶/分钟，（ 指100-500毫升范围 ） < 20 40bottles/min (Base on 100 - 500ml)	<10-20瓶/分钟（ 指100-500毫升范围 ） < 10-20bottles/min （ Base on 100 - 500ml ）
计量精确/Measurement accuracy	± 1%	± 1%
额定功率、电压 /Power	0.8kw. 220v	1,5km, 220v
工作气压/Working air pressure	0.6 ~ 0.7 MPa	0.6 ~ 0.7 MPa
耗气量 / Gas consumption	0.5-0.7m³/min	0.7-0.9m³/min
机器净重 /Weight	300kg	350kg

双头跟踪式灌装机

DOUBLE HEAD TRACKING FILLING MACHINE



简要说明

全自动灌装机采用柱塞定量混装原理进瓶，定位充填出瓶均由PLC自动控制，符合GMP标准适用医药、食品、日化、农药及精细化工的液体膏体充填。在灌装机的灌装工位上，由于瓶体不停歇向前输送，跟踪灌装部件要求能够实现跟踪下降插入瓶口、跟踪灌装、快速上升、快速回位四个功能动作。每个功能动作都可分解为水平跟踪运动和竖直升降运动，四个功能动作构成一个运行周期。

INTRODUCTION

The automatic filling machine adopts the principle of plunger quantitative filling, and the inlet, positioning, filling and out of the bottle are automatically controlled by the PLC, which conforms to the GMP standard. Suitable for medicine, food, daily chemical, pesticide and fine chemical liquid paste filling. In the filling station of the filling machine, because the bottle body continually move forward, tracking the filling parts requires four functional actions: tracking down the insertion of the bottle mouth, tracking falling, fast rising and quick return. Each functional action can be decomposed into horizontal tracking motion and vertical lifting motion, and that four functional actions form a movement cycle.

产品特点

- 1、触摸屏式操作界面；
- 2、上下运动式充填,有效防止泡沫产生，方便拆洗；
- 3、充填精度可达±1%；
- 4、充填缸经研磨处理,独特的充填阀设计，不滴漏；
- 5、附无瓶不灌装,积瓶自动停机功能；
- 6、根据瓶子的实际情况设计不同的定位装置；设备清洗方便,可无工具拆装,亦可在线清洗或高温灭菌.
- 8、PLC程式控制,采用日本三菱；
- 9、变频器采用法国施耐德;
- 10、气动元件采用台湾亚德客；
- 11、设备接触物料材质采用SUS304不锈钢；
- 12、设备符合卫生,安全标准

FEATURES

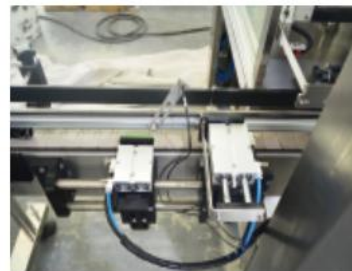
- 1. Touch scroen operation interface,
- 2. Up and down movement type tilling, ettactively prevent the foam trom being produced, easy to take apart and wash
- 3.The filing accuracy can reach + 1%
- 4.The tilling cylinder is ground, unique filling valve design, no leakage;
- 5.No filing without bottle and auinmatic, shutdown function for bottie accumulation;
- 6. Design different positioning devices according to the actual situation of thebottle!
- 7. The equipment is easy to clean and can be disassembled without toels. l canalso be cleaned online or sterilized at high temperature;
- 8.PLC programmabie control use Japan Mitsubishi;
- 9. Frequency converter adopts France Schneider:
- 10.Pneumatic components adopt Taiwan Airtac;
- 11. Material contact parts are mad o SUS304a stainless steat
- 12. The equipment meets the hygiene and safety standards

技术参数 / Specifications

型号 /Model	UF-GSF-2
灌装范围 / Filling range	200 - 1000ml
灌装速度 /Filling speed	<45-50瓶/分钟指 (100-500毫升范围) <45-50bottles min (Base on 100 - 500ml)
计量精确度/Measurement accuracy	± 1%
额定功率、电压 /Power	5.8kw. 380V
气源气压/Air preasur	0.6 ~ 0.7 MPa
整机尺寸 / Machine dimension	2000×1350×2000mm
机器净重 /Weight	450kg

四头跟踪式灌装机

FOUR HEAD TRACKING FILLING MACHINE



简要说明

全自动灌装机采用柱塞定量灌装原理，进瓶、定位充填出瓶均由PLC自动控制，符合GMP标准适用医药、食品、日化、农药及精细化工的液体膏体充填。在灌装机的灌装工位上，由于瓶体不停歇向前输送，跟踪灌装部件要求能够实现跟踪下降插入瓶口、跟踪灌装、快速上升、快速回位四个功能动作，每个功能动作都可分解为水平跟踪运动和竖直升降运动，四个功能动作构成一个运行周期。

INTRODUCTION

The automatic filling machine adopts the principle of plung quantitative filling, and the inlet, positioning, filling and out of the bottle are automatically controlled by the PLC, which conforms to the GMP standard. Suitable for medicine, food, daily chemical, pesticide and fine chemical liquid liquid paste filling. In the filling station of the filling machine, because the bottle body continually move forward, tracking the filling parts requires four functional actions: tracking down the insertion of the bottle mouth, tracking filling, fast rising and quick return. Each functional action can be decomposed into horizontal tracking motion and vertical lifting motion, and the four functional actions form a movement cycle.

产品特点

FEATURES

- 1、触摸屏式操作界面；
- 2、上下运动式充填,有效防止泡沫产生，方便拆洗；
- 3、充填精度可达±1%；
- 4、充填缸经研磨处理,独特的充填阀设计，不滴漏；
- 5、附无瓶不灌装,积瓶自动停机功能；
- 6、根据瓶子的实际情况设计不同的定位装置；
- 7、设备清洗方便,可无工具拆装,亦可在线清洗或高温灭菌；
- 8、PLC程式控制,采用日本三菱；
- 9、变频器采用法国施耐德；
- 10、气动元件采用台湾亚德客；
- 11、设备接触物料材质采用SUS304不锈钢；
- 12、设备符合卫生,安全标准

- 1. Touch screen operation interface;
- 2. Up and down movement type filling, effectively prevent the foam from being produced, easy to take apart and wash;
- 3. The filling accuracy can reach + 1%;
- 4. The filling cylinder is ground, unique filling valve design, no leakage;
- 5.No filling without bottle and automatic shutdown function for bottle accumulation;
- 6.Design different positioning devices according to the actual situation of the bottle;
- 7.The equipment is easy to clean and can be disassembled without tools. It can also be cleaned online or sterilized at high temperature;
- 8.PLC programmable control use Japan Mitsubishi;
- 9. Frequency converter adopts France Schneider;
- 10.Pneumatic components adopt Taiwan Airtac;
- 11. Material contact parts are made of SUS304# stainless steel;
- 12. The equipment meets the hygiene and safety standards.

技术参数 / Specifications

型号 /Model	UF-GSF-4
灌装范围 / Filling range	500-5000ml
灌装速度 /Filling speed	<40-60瓶/分钟（指500-2000毫升范围）<40-60bottles/min (Base on500-2000ml)
计量精确度/Masurement accuracy	± 1%
额定功率、电压 /Power	8.6kw. 380V
气源气压/Air preasur	0.6-0.7Mpa
整机尺寸 / Machine dimension	3000×1500×2100mm
机器净重 /Weight	650kg

六头跟踪式灌装机

SIX-HEAD TRACKING FILLING MACHINE



简要说明

六头跟踪式灌装机由链板输送机、夹瓶式自动对准机构、灌装机构、自动伺服跟随系统、电动升降调节机构、防水电柜、触摸式人机操作界面等组成，能适用于不同规格瓶子的自动灌料设备。

INTRODUCTION

The six-head tracking filling machine is composed of chain-plate conveyor, bottle-clamping automatic alignment mechanism, filling mechanism, automatic servo-following system, electric lifting and adjusting mechanism, waterproof electric cabinet, touch-type man-machine operation interface, etc., can be applied to different specifications of bottles of automatic filling equipment.

产品特点

FEATURES

高效灌装：

- 1.跟随式高速灌装机采用传感器精准找瓶，跟随式灌装，生产过程无停顿。
- 2.传统多头自动灌装机价格昂贵，生产过程瓶子须停顿，灌装速度慢。

智能调机：

- 1.跟随式高速灌装机对不同形状、不同高度、不同容量的瓶子，只需几分钟即可完成调试，进入下一波生产，彻底解决因种类繁多、单品数量少、频繁调机而费时费力的问题。
- 2.传统自动灌装机需反复调试才能重新投入生产，费事费人工，而且对部分异型瓶根本无法适用。

Efficient filling:

- 1. Follow-up high-speed filling machine uses sensors to accurately find bottles, follow-up filling, the production process without pause. 2. Traditional multi-head automatic filling machine is expensive, the production process of bottles to stop, filling speed is slow.

Smart Dials:

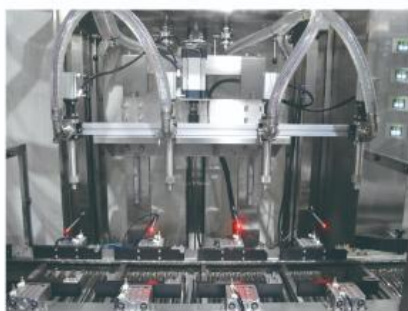
- 1. Follow-up high-speed filling machine for different shape, different height, different capacity bottles, just a few minutes to complete the adjustment, into the next wave of production, thoroughly solve the problem of time-consuming and laborious due to a wide variety of products, a small number of items, frequent adjustment. 2. The traditional automatic filling machine needs to be debugged repeatedly before it can be put into production again.

技术参数 / Specifications

型号 /Model	UF-GSF-6
灌装范围 / Filling range	100-1000ml
灌装速度 /Filling speed	<60-80瓶/分钟（指500-2000毫升范围）<60-80bottles/min (Base on500-2000ml)
计量精确度/Measurement accuracy	± 1%
额定功率、电压 /Power	6.6kw. 380V
气源气压/Air preasur	0.6-0.7mpa
整机尺寸 / Machine dimension	3000*1500*2300mm
机器净重 /Weight	950kg

称重定量灌装机

WEIGHING QUANTITATIVE FILLING MACHINE



简要说明

称重定量灌装机是集机械、电子、仪表于一体的一体化设备。适用于各类、有粘、无粘、有腐蚀性和无腐蚀性液体的中大桶灌装。广泛应用于食品，润滑油，油漆，乳胶漆，建筑漆等化工领域。是大桶或者大剂量灌装的首选设备。

INTRODUCTION

This weighing and quantitative filling machine integrates machinery, electronics and instrumentation. It is suitable for filling medium and large barrels with viscous, non-viscous, corrosive and non-corrosive liquids. Widely applied in food, lubricant, paint, latex paint, architectural coating and other chemical industries, it is the ideal choice for large-volume and large-drum filling.

产品特点

- 1、灌装方式：液面上灌装（顶部灌装）；
- 2、控制方式：灌装方式由人工设定，微动开关控制；
- 3、输送方式：辊道动力输送带；
- 4、具备数字式显示灌装量的功能，可完成多种灌装量的设置；
- 5、具备自动去皮，按净重灌装的功能；
- 6、具备真空回抽防滴漏的功能；
- 7、具备控制系统手动和自动（微动开关控制）功能；
- 8、具备快慢双速控制功能，防止飞溅；
- 9、液体流经管道为不锈钢304材质。

FEATURES

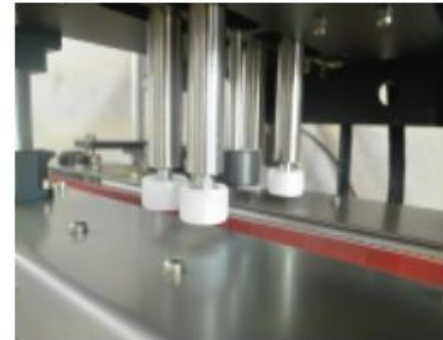
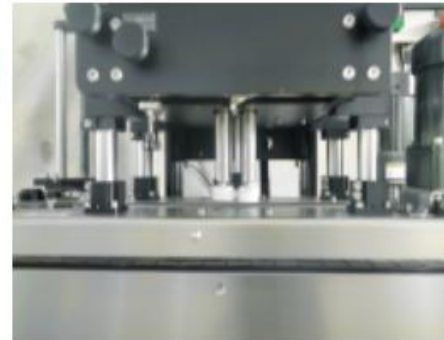
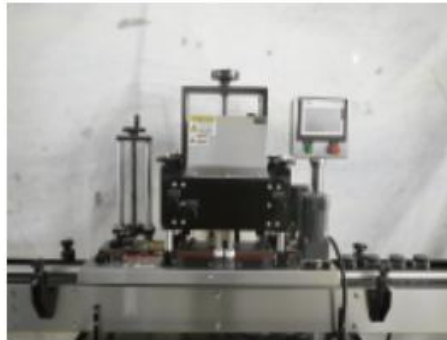
- 1.Filling method: liquid filling (top filling);
- 2. Control mode: Filling mode is set manually and controlled by micro switch;Transportation: roller conveyor belt;
- 4. With the function of digital display of filling volume, it can complete the setting of multiple filling quantities;
- 5. With auto tare, according to net weight filling function;
- 6. With vacuum withdrawal anti-drip function;
- 7. With manual and automatic control system (micro switch control) function;
- 8. With double speed control function to prevent splashing;
- 9. Liquid contact pipes is made of SUS 304

技术参数 / Specifications

型号 /Model	UF-GCZ-2
灌装容量 / Filling Range	5-50升 /5-50L
灌装速度 /Filling speed	4-6（桶/分钟）按20公斤计 / 4-6 (buckets/min) Base on 20kg
灌装精度 / Filling accuracy	± 0.35%FS
供电电源 /Supply power	220/380V
气源压力/Air preasur	0.6-0.8Mpa
灌装头 /Filling head	2头
机器尺寸 / Dimension	3000×650×1500
重量 / Weight	280kg

全自动夹旋式旋盖机

FULLY AUTOMATIC CLAMPING ROTARY CAPPING MACHINE



简要说明

该系列机型是我司引进国外先进的接盖原理与技术，结合自身多年生产经验研制而成。集自动进瓶、自动理盖、自动上盖、自动旋盖、自动出瓶于一体，整机设计合理，结构紧凑，工作效率高，运行稳定可靠，操作简单方便，主要适用于不同材质和规格产品旋盖。对鸭嘴盖（泵头喷头）更有优势，适用螺旋盖、防盗盖、儿童安全盖、压入盖等。备有恒扭矩旋盖头，压力可方便调整。结构紧凑、合理，能方便与其它设备联动成线，防尘罩可选购。

INTRODUCTION

This series of models is our company's introduction of foreign advanced lid principle and technology, combined with its own many years of production experience developed. Automatic bottle-in, automatic cap sorting, automatic cap feeding, automatic capping, and automatic bottle-out are integrated. The whole machine has a reasonable design, compact structure, high work efficiency, stable and reliable operation, simple and convenient operation, mainly applicable to different material and specifications of cap. It has more advantages for duckbill cap (pump head, nozzle, etc.) suitable for anti-theft caps, child-resistant caps, press-fit caps, etc. With constant torque capping head, the pressure can be adjusted easily. It can be easily linked with other equipment into a line, dust cover is optional.

产品特点

- 1、该机主要由瓶子输送机构、理盖上盖机构、夹瓶输送机构、搓式旋盖机构、电控系统等组成，自动化程度高，设计合理，结构紧凑，操作简便；
- 2、本机机架、构件及外壳主要采用优质不锈钢制作，外形美观，便于清洁，符合GMP要求；
- 3、采用四轮夹旋，结构简单合理，性能稳定可靠，工作效率高，搓式旋盖技术有效解决了传统旋盖机打滑、伤盖等弊端；
- 4、旋盖机构间距、高度可快速调节，可适应不同规格的瓶型和瓶盖；
- 5、送盖机构装有光电感应安全保护装置，可控制理瓶机构实现“无盖开机送盖，盖满关机不送盖”自我保护功能，增强了设备的运行稳定性和可靠性。

技术参数 / Specifications

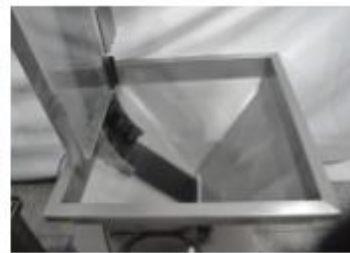
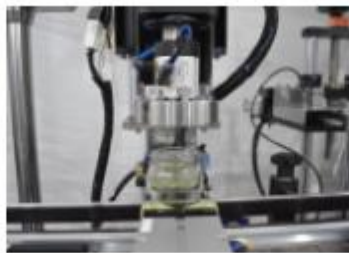
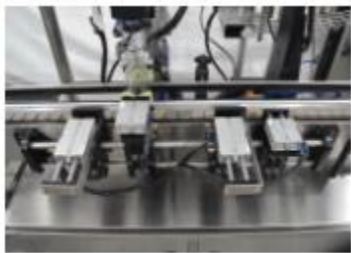
型号 /Model	UF-SGJ-120
电源电压(V/ Hz)/ Supply power (V/Hz)	AC 220 V / 50 Hz; 110 V / 60 Hz
功率(W)/ Power (W)	1500
封瓶高度(mm) / Bottle height (mm)	38-200 (可定制) /38-200(can be customized)
适应盖径 (mm) / Applicable cap diameter (mm)	15-80 (可定制) /15-80 (can be customized)
适应瓶径(mm)/ Applicable bottle diameter (mm)	35-140 (可定制) /35-140(can be customized)
工作气压(mpa) / Working air pressure (mpa)	0.6-0.8Mpa
产量 (瓶/分钟) / Capacity (bottles/min)	20-50
外形尺寸 (LxWxH)(mm)/Dimension (Lx WxH) (mm)	2000×700×1600
净重(kg)/Weight (kg)	250

FEATURES

- 1. The machine is mainly composed of bottle conveying mechanism, cap sorting and feeding mechanism,clamp bottle conveying mechanism,rubbed cap mechanism, and electronic control system. High degree of automation, reasonable design, compact structure, easy operation;
- 2. The machine frame, components and shell are mainly made of high-quality stainless steel, beautiful appearance, easy to clean, and meet theGMPrequirements;
- 3. Adopting four-wheel clamping rotation, the structure is simple and reasonable, the performance is stable and reliable, and the working efficiency is high. The twist-type screw cap technology effectively solves the drawbacks of the traditional capping machine such as cap skidding, cap damage, etc;
- 4. Capping mechanism spacing, height can be quickly adjusted, can adapt to different specifications of the bottle and cap;
- 5. The cover feeding mechanism is equipped with a photoelectric sensing safety protection device, which can control the bottle handling mechanism to realize the self-protection function of "start machine without cover to feeding and stop feeding when caps are full."to enhance the stability and reliability of theequipment.

单/双头伺服旋盖机

SINGLE/DOUBLE SERVO CAPPING MACHINE



简要说明

全自动机械手旋盖机主要用于螺纹塑料盖或玻璃瓶铁盖旋盖，结构上采用了气爪平衡式旋盖，旋盖时施力均匀；具有伺服自动取盖，伺服带扭力旋盖。同时该机具有造型美观、结构紧凑、设计合理、运行稳定、噪音小、旋盖质量好等特点，适用于各类日化、西化工、食品、制药等企业的批量生产。设备根据客户要求可装配自动理盖、上盖系统上盖系统。

INTRODUCTION

Fully-automatic mechanical hand capping machine is mainly used for threaded plastic caps and iron cap of glass bottle, and the structure adopts a gas claw balance type screw cap, and the force is evenly applied when the cap is screwed on.; Servo automatic take cover and servo torque capping. At the same time, the machine has the characteristics of beautiful appearance, compact structure, reasonable design, stable operation, low noise, and good capping quality. Applicable to all kinds of daily chemical, food, pharmaceutical and other enterprises mass production Equipment according to customer requirements automatic cap sorting and cap feeding system.

产品特点

- 1、人机界面设定、操作直观方便、PLC控制，动作精准。
- 2、变频控制、生产速度任意调节、自动计数。
- 3、自动停机功能，无瓶不旋盖。
- 4、采用SUS304及316L不锈钢制造，符合GMP要求。

FEATURES

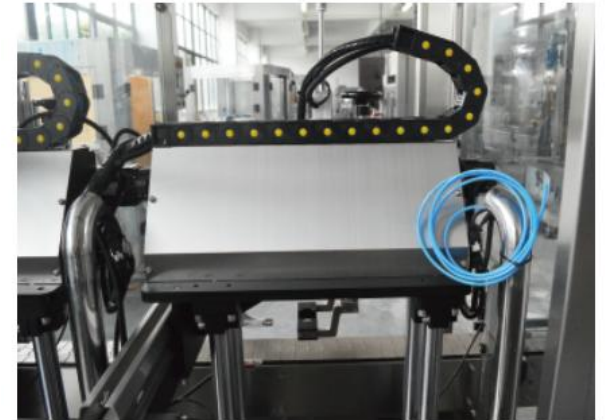
- 1 .Human machine interface setting, intuitive and convenient operation, PLC control and accurate action
- 2. Frequency control, production speed adjustment, automatic counting;
- 3. Automatic stop function, no bottle without screw cap;
- 4. Using SUS304 and 316L stainless steel to meet GMP requirements.

技术参数 / Specifications

型号 /Model	UF-JXS-1
上盖系统 / Cap feeding system	气爪上盖（伺服控制） / Air claw feeding cap (servo control)
旋盖系统 / Capping system	气爪式旋盖（伺服控制、可控扭力） / Air claw capping (Servo control, controllable torque)
生产能力（瓶/分） / Capacity (bottle / minute)	10-20视盖子决定/10-20(Depending on the cover)
瓶盖尺寸 (mm) / Bottle cap size (mm)	可定制 / Can be customized
总功率（千瓦） / Power(kw)	2.2
电源电压 / Supply power	220V/50-60Hz（可定制） / 220V/50-60HZ (can be customized)
外形尺寸 / Dimension	2000×1100×1800mm
重量 / Weight	350kg

跟踪式旋盖机

FOLLOW-UP CAPPING MACHINE



直线跟踪式旋盖机广泛应用于各类需要旋盖的产品，整机由伺服夹瓶输送机构、往复式伺服跟随旋盖机构、电气控制系统和机架组成，采用直列式结构 在多轴运动控制型驱动器控制下,驱动往复式伺服旋盖机构同步跟随输瓶机构上连续运行的瓶子,在瓶子运动过程中完成旋盖并快速回位，抓取盖子后重复跟随旋盖的动作,实现了灵活、有效旋盖作业。具有运行稳定可靠、包材适用范围广、品规更换快捷操作维护简单等特点，适用于食品、日化、润滑油等存量各类型小口瓶盖的自动旋盖。

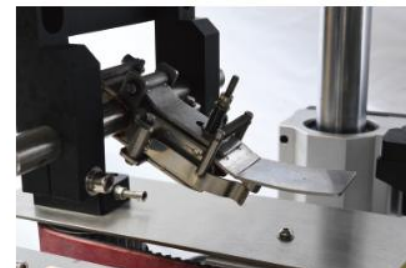
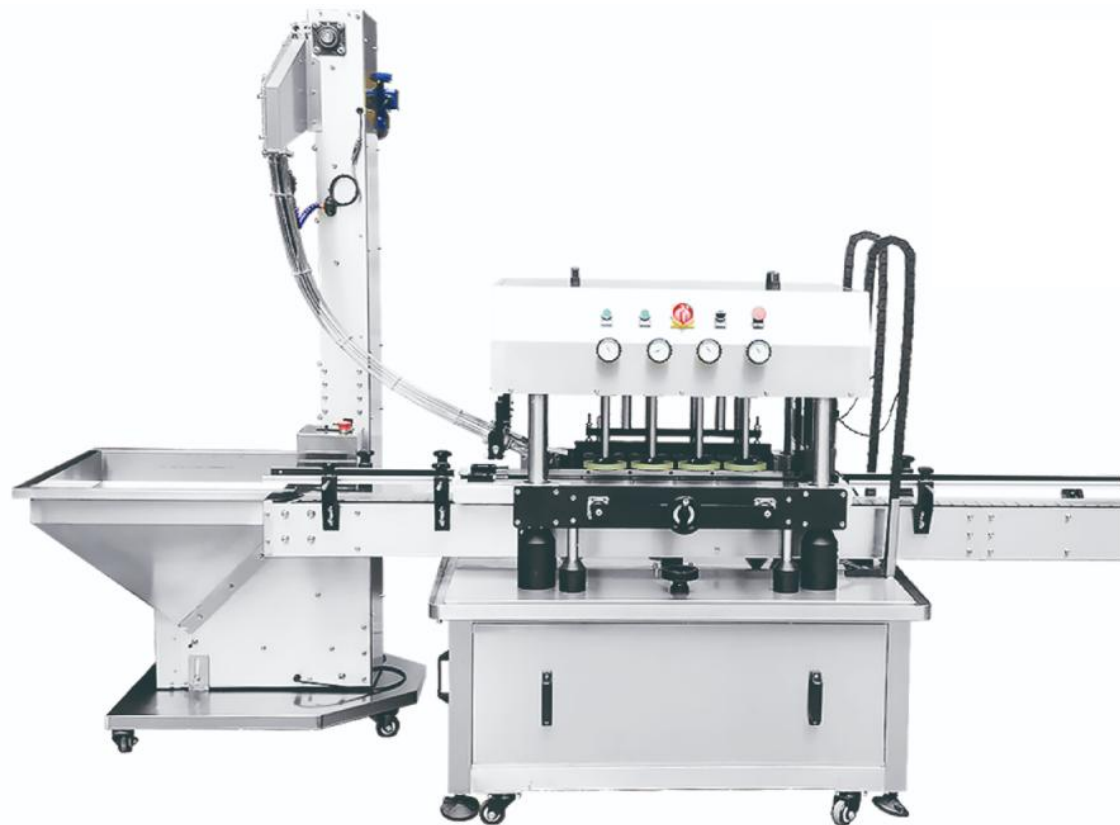
Linear tracking capping machine is widely used in all kinds of products that need capping. The whole machine is composed of servo bottle conveying mechanism, reciprocating servo following capping mechanism, electrical control system and frame. Adopting the in-line structure, under the control of multi-axis motion control driver, driving reciprocating servo cap mechanism synchronously follow the bottle running on the bottle feeding mechanism, complete cap screwing and quick return in the process of bottle movement, and repeatedly follow cap screwing after grabbing the cap, realizing flexible and effective cap screwing operation. It has the characteristics of stable and reliable operation, wide application range of packaging materials, quick change of product rules, simple operation and maintenance, etc. It is suitable for automatic capping of various types of small mouth bottle caps in food, daily chemical, lubricating oil and other industries.

技术参数 / Specifications

型号 /Model	UF-150
电源电压(V/Hz) / Supply power(V/Hz)	380V/50HZ
产量/ Capacity	30-60（ 盖子瓶子决定 ） / 30-60 (bottle lid decision)
功率/ Power(kw)	8
工作气压/ Airpressure	0.6-0.8mpa
适应盖径 / Cap size	20-80
外形尺寸(LxWxH)(mm) / Dimension (LxWxH)(mm)	3000*1100*1900
净重(kg) / Weight (kg)	650

直列式高速旋盖机

STRAIGHT LINE HIGH SPEED CAPPING MACHINE



简要说明

全自动直列式旋盖机是参照国际先进机型改进设计、旋盖速度快，合格率高、操作方便。可适用于食品、制药、日化、农药、化妆品等行业的不同瓶形的旋盖。供盖、夹瓶、传送、旋盖，机器自动化程度高，稳定性好，调节方便，更换瓶形或盖时无须备件，只需作调整即可完成(如配上盖机，可进行自动上盖)可以根据实际需要选配。

该机外形美观大方、灵巧、旋盖速度快，合格率高、适用于食品、制药、日化、农药、化妆品等行业的不同瓶形的旋盖(广范适用于带螺纹塑料盖或铁盖)

INTRODUCTION

This machine is based on the international advanced models to improve the design, fast cap speed, high pass rate, and easy operation. It can be applied to different bottle-shaped screw caps in food, pharmaceutical, cosmetic, pesticide, cosmetics and other industries. The four speed-adjusting motors are used for cap feeding, bottle clamping, conveying and capping respectively. The machine has a high degree of automation, good stability, and convenient adjustment. When replacing bottles or caps, no spare parts are needed, and only adjustments are required to complete them (If equip with cap vibrating, can feeding cap automatically). The machine is beautiful in shape, fast capping speed, high pass rate, applicable to different bottle-shaped caps for food, pharmaceutical, cosmetic, pesticide other industries.

机器特点

FEATURES

- 1、该机种设计新颖独到、机械扭矩控制智能化，并且操作与调节十分便利；
- 2、采用304不锈钢，符合GMP药厂、食品厂；
- 3、瓶子在向前运行的过程中，上盖器自动下盖，瓶盖被四组搓盖轮自动拧紧。既可用于单机生产，故障自动停机，更是连线生产的理想机型；
- 4、自动下盖方式有提升式、斜盘式、震荡式等落盖系统，可根据实际需要选配。

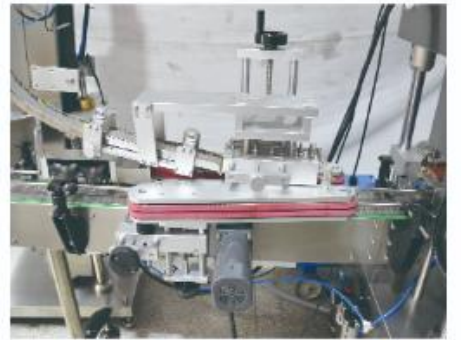
- 1. The machine is novel design, intelligent in mechanical torque control, and convenient in operation and adjustment;
- 2. Adopts 304 stainless steel, in line with GMP requirement;
- 3.The bottles in the process of forwarding, the vibrating bowl automatically feeding the caps, the caps are automatically tightened by four sets of cap tightening wheel. The machine can be used independently single,also can be connected with the other production line;
- 4.Automatically feedingsystem has lifting type, swash plate type, vibration type,etc. according to the actual needs of matching. Can be selected according to the actual needs.

技术参数 / Specifications

型号 /Model	UF-140
电源电压(V/Hz) / Supply power(V/Hz)	AC 220/50 110/60
封瓶高度 (mm) / Bottle height(mm)	38-300
适应盖径 (mm) / Applicable capdiameter (mm)	15-120
适应瓶径 (mm) / Applicable bottle diameter (mm)	35-140
产量 (瓶/分钟) / Capacity (botles/min)	40-100
外形尺寸 (LxWxH) (mm) / Dimension (LxWxH)(mm)	2000X870X1500
净重(kg) / Weight (kg)	350

真空旋盖机

VACUUM CAPPING MACHINE



本机适用于调味品、罐头等采用目前最环保的玻璃瓶包装，并对瓶内真空度有比较高要求的三旋、四旋盖的玻璃瓶进行旋盖封口(又称玻璃瓶真空旋盖机、玻璃瓶压盖机)。本机配上真空系统后，能对玻璃瓶内进行抽吸真空，以延长瓶内容物的保质期及口感。连续工作时可实行自动进瓶、自动进行抽吸真空、自动旋盖自动出瓶，是目前市场上生产能力最大的抽真空旋盖机，为各食品厂、罐头厂作为规模生产的首选产品

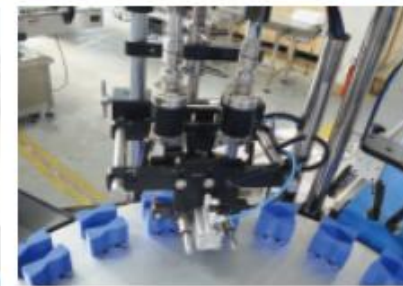
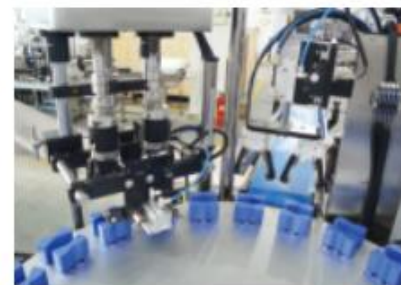
This machine is suitable for condiments, canned food, etc. , and the bottle has a higher degree of vacuum requirements of the three-screw, four-screw cap of the glass bottle cap sealing (also known as glass bottle vacuum capping machine, glass bottle capping machine) . With vacuum system, the machine can vacuum the glass bottle to extend the shelf life and taste of the contents of the bottle. When working continuously, the machine can automatically feed into the bottle, pump vacuum and screw the cap out automatically. It is the biggest vacuum capping machine on the market, for the various food factories, cannery as the preferred products for large-scale production

技术参数 / Specifications

型号 /Model	UF-6	UF-2
生产能力/Production capacity	35-40 瓶/分钟	20-30瓶/分钟
适用罐径/Suitable for tank diameter	20-100mm(可定制)	30-150mm(可定制)
适用罐高/Apply tank height	30-180mm(可定制)	80-250mm(可定制)
外形尺寸(LxWxH)(mm) / Dimension (LxWxH)(mm)	4000×1200×2300mm	3000×1000×1900mm
净重(kg) / Weight (kg)	500kg	850kg

水乳一体机

SAUCE FILLING PRODUCTION LINE



简要说明

自动灌装旋盖机是在引进和吸收国外先进技术的基础上，由我公司自主研发的一款专业针对瓶体自动灌装、旋盖一体机。是目前国内具有领先水平的、新型的全自动灌装、旋盖一体机的设备。。本机采用圆盘定位式伺服灌装、伺服锁盖，稳定可靠，本机采用高精度封闭式凸轮分度工位器，精度高，运行可靠，使用寿命长。该分度器结构简单，长期使用无需维修。

INTRODUCTION

Automatic filling and capping machine is a professional automatic filling and capping machine for bottles, which is independently developed by our company on the basis of introducing and absorbing foreign advanced technology. It is a new type of fully automatic filling and capping machine with leading level in China. The machine adopts disc positioning servo filling and servo locking cover, which is stable and reliable. Them machine adopts high-precision closed cam indexing station, which has high precision, reliable operation and long service life. The divider has simple structure and no maintenance for long-term use.

本机主要适用手各种水乳瓶膏霜瓶的灌装及旋盖，如保湿水、护肤乳、面霜等。广泛用于化妆品行业。整机结构紧凑、设计合理，且运转平稳，使用寿命长。该机既可单机生产，又可与贴标机，喷码机，装箱机等设备组成联动生产线。

1.人机界面设定、操作直观方便、PLC控制，伺服灌装，装量精准。

2. 变频控制、生产速度任意调节3 自动计数。

3.无瓶不灌装。

4.圆盘定位式灌装，稳定可靠。

5. 采用SUS304不锈钢制造。

The machine is mainly applicable to the filling and rotary cover of various cream and cream bottles, such as moisture-keeping water, skin-care milk, face cream and the like. And is widely used in the cosmetic industry. The machine adopts the piston filling, the filling precision is high, the whole machine comprises a transmission part, a filling part, a cover part, a rotary cover part and the like, the whole machine is compact in structure, reasonable in design, stable in operation and long in service life. The machine can be produced in a single machine, and can be combined with a labeling machine, a code spraying machine, a packing machine and the like to form a linkage production line. Full compliance with national GMP requirements. The machine can upgrade the electrical configuration as required by the customer.

1. Human machine interface setting, intuitive and convenient operation, PLC control, servo filling and accurate filling volume.

2. The frequency conversion and servo control, the production speed is arbitrarily adjusted, and the automatic counting is carried out.

3. Automatic stop function, no bottle no filling

4. Disc positioning filling, stable and reliable

5. High-precision cam meter control, accurate positioning.

6. Made of SUS304 stainless steel, fully meet the requirements of GMP

技术参数 / Specifications

型号 /Model	UF-651
装量范围 /Filling range	50-200ml（可定制）/50-200ml (customized)
装量误差/Filling accuracy	≤+1%
生产能力/ Filling speed	20-30瓶/分钟/ 20-30b/m
功率(W)/Power (w)	2.0 kw
电源 /voltage	220V/50HZ
外形尺寸（LxWxH）(mm) / Dimension(Lx WxH) (mm)	1500*1500*1900mm
净重(kg) / Weight (kg)	600 kg

200-2000ML全自动灌装生产线

200 - 2000ML AUTOMATIC FILLING PRODUCTION LINE



简要说明

此自动灌装生产线主要用于机油、食用油及其它医药、食品、化妆品行业等液体灌装生产。该线具有自动化程度高、灌装精度高、生产效率大、操作简单、节省人员、使用寿命长等特点。

INTRODUCTION

This automatic filling line is mainly used for oil, edible oil and other medicine, food, cosmetics and other liquid filling production. High automation, high filling precision, high production efficiency, simple operation, personnel saving and long service life.

机器特点

- 1、本生产线采用自动化技术，进口PLC、进口检测电眼、变频器等电气，气动元件。具有 高效、智能化、适应性广、稳定性好等特点，因而受到了广大用户的一致好评。
- 2、本线采用8头活塞式灌装机、自动封罐机、自动挂盖机、高速旋盖机和园瓶贴标机组成全自动化生产线。
- 3、灌装机采用食品专用软管，不含塑化剂，适合医药、食品及其他行业。
- 4、生产线运行稳定、噪音低、维修方便，并且完全符合GMP认证要求，广泛用于医 药、食品、化妆品等行业。
- 5、整机采用耐腐蚀不锈钢制作，清洗消毒方便，符合国家有关食品机械、食品卫生的规定 和要求。
- 6、本生产线采用进口传感器，位置控制准确。
- 7、采用进口PLC及7寸触摸屏人机界面，生产参数化控制，操作简单。
- 8、此类生产线比较先进，可以根据客户的不同要求进行不同的改进，能够做成完。此自动灌装生产线主要用子机油、食用油及其它医药、食品、化妆品行业等液体灌装生产。该线具有自动化程度高、灌装精度高、生产效率大、操作简单、节省人员、使用寿命长等特点

FEATURES

1. The production line adopts automation technology, imported PLC, imported detection eye, frequency converter and other electrical and pneumatic components. It has the characteristics of high efficiency, intelligence, wide adaptability and good stability, so it has been highly praised by the majority of users.
2. This line adopts 8-head piston filling machine, automatic can sealing machine, automatic capping machine, high-speed capping machine and round bottle labeling machine to form a fully automatic production line.
3. The filling machine adopts special food hose without plasticizer, which is suitable for medicine, food and other industries.
4. The production line has stable operation, low noise, convenient maintenance, and fully meets the requirements of GMP certification. It is widely used in medicine, food, cosmetics and other industries.
5. The whole machine is made of corrosion-resistant stainless steel. which is convenient for cleaning and disinfection, and meets the national regulations and requirements on food machinery and food hygiene.
6. The production line adopts imported sensors, with accurate position control.
7. Imported PLC and 7-inch touch screen man-machine interface are adopted for production parametric control and simple operation.
8. This kind of production line is relatively advanced and can be improved according to different requirements of customers. This automatic filling production line is mainly used for liquid filling production of engine oil, edible oil and other pharmaceutical, food and cosmetics industries. The line has the characteristics of high automation, high filling precision, high production efficiency, simple operation, personnel saving and long service life.

酱料灌装生产线

SAUCE FILING PRODUCTION LINE



简要说明

高速双头移动式灌装机，是我司新研发的灌装机。具有灌装速度快，精度高，方便清洗等功能。由双输送线运送，双料缸吸料灌装，中间不停顿；达到高速灌装的效果。夹瓶式自动对准机构、自动伺服吸料和灌装。活塞式全自动灌装机是我司集多年生产经验，吸收世界先进技术自行研制开发的新一代自动灌装机。它采用活塞式定量原电器和气动元件选用世界知名品牌，由PLC配合人机界面控制，设计新颖、外形美观，具有界面友好，适应性强、操作简单、灌装量准确，维护方便等特点。广泛适用于各种液体粘稠体、膏体的灌装，更换灌装阀(即变成多头浓酱全自动灌装机)，还可灌装含颗粒的半流体、膏体、酱料等。

其它特点：

1. 采用世界知名品牌的电器和气动元件，故障率低，性能可靠，使用寿命长。
2. 采用高强度不锈钢框架，拆装简便，易清洗，符合GMP要求
3. 灌装量和灌装速度调整简单，由触摸屏操作和显示，外形美观
4. 设有无瓶不灌装功能，液位自动控制加料：
5. 不需更换零件，即可快速调整各种不同形状规格的瓶子；
6. 灌装头设有特殊防漏装置，灌装绝无拉丝，滴漏现象。

注：灌装范围和速度可依据用户需求来设计不同的灌装头数

INTRODUCTION

High speed double head mobile filling machine is a new filling machine developed by our company. It has the functions of fast filling speed, high precision and convenient cleaning. It is transported by double conveying lines and filled by double material cylinders without stopping in the middle; Achieve the effect of high-speed filling. Bottle clamping automatic alignment mechanism, automatic servo suction filling. Piston automatic filling machine is a new generation of automatic filling machine developed by our company with many years of production experience and absorbing world advanced technology. It adopts the quantitative principle piston type. The electrical and pneumatic components are world-famous brands, controlled by PLC with man-machine interface. It has the characteristics of novel design, beautiful appearance, friendly interface, strong adaptability, simple operation, accurate filling volume, convenient maintenance and so on. It is widely used for filling all kinds of liquids, viscous bodies and pastes, replacing the filling valve (i.e. turning into a multi-head thick sauce automatic filling machine and filling semi fluid, paste, sauce, etc. containing particles). Other features:

1. Electrical and pneumatic components of world famous brands are adopted with low failure rate, reliable performance and long service life
2. High strength stainless steel frame is adopted, which is easy to disassemble and clean and meets the requirements of GMP
3. The adjustment of filling volume and filling speed is simple, which is operated and displayed by the touch screen, and the appearance is beautiful
4. It has the function of no filling without bottle, and the liquid level automatically controls the feeding:
5. Bottles with different shapes and specifications can be quickly adjusted without replacing parts;
6. The filling head is equipped with a special leak proof device, and there is no wire drawing and dripping during filling. Note: the filling range and speed can be designed according to the needs of users

100-1000ML全自动液体灌装生产线

100-1000ML AUTOMATIC LIQUID FILLING PRODUCTION LINE



简要说明

此自动灌装生产线主要用于液体、膏体及其它医药、食品、化妆品行业等流动性好与不好通用型灌装生产。该线具有适用广泛、自动化程度高、灌装精度高、生产效率大、操作简单、节省人员、使用寿命长等特点

INTRODUCTION

This automatic filling production line is mainly used for the filling of liquids, pastes and other pharmaceuticals, foods, and cosmetics industries with good or bad fluidity. The line has the characteristics of wide application, high degree of automation, high filling accuracy, high production efficiency, simple operation, saving personnel, long service life and so on.

机器特点

- 1、本生产线采用自动化技术，进口PLC、进口检测电眼、变频器等电气，气动元件。具有高效、智能化、适应性广、稳定性好等特点，因而受到了广大用户的一致好评；
- 2、本线采用自动送瓶、8头活塞式灌装机、下盖夹旋式旋盖机、铝箔封口机、园瓶贴标机组成全自动化生产线；
- 3、灌装机采用食品专用软管，不含塑化剂，适合医药、食品及其他行业；
- 4、灌装机 活塞缸采用研磨抗磨损计量缸，超长寿命自动补偿活塞密封，终身免维护；
- 5、生产线运行稳定、噪音低、维修方便，并且完全符合GMP认证要求，广泛用于医 药、食品、化妆品等行业；
- 6、整机采用耐腐蚀不锈钢制作，清洗消毒方便，符合国家有关食品机械、食品卫生的规定 和要求；
- 7、本生产线采用进口传感器，位置控制准确；
- 8、采用进口PLC及7寸触摸屏人机界面，生产参数化控制，操作简单；
- 9、此类生产线比较先进，可以根据客户的不同要求进行不同的改进，能够做成完全满足客户需要的设备。采用整体有机玻璃外罩设计，防止杂质进入灌装物料，安全卫生

FEATURES

- 1 The production line adopts automation technology, imported PLC, imported inspection electric eyes, frequency converter and other electrical and pneumatic components. With the characteristics of high efficiency, intelligence, wide adaptability, and good stability, it has been well received by the majority of users.
2. This line adopts automatic bottle feeding, 8-head piston type tilling machine, lower cover clamp rotary screw cap machine, aluminum foil sealing machine and round bottle labeling machine to form a fully automated production line.
3. The filling machine adopts special food hoses, does not contain plasticizers And it is suitable for medicine, food and other industries
4. The piston cylinder of the filling machine adopts a grinding and wear-resistant measuring cylinder, which automatically compensates the piston seal for long life, and is maintenance-free.
- 5.The production line is stable in operation, low in noise, easy to maintain, and fully compliant with GMP certification requirements. It is widely used in medicine food, cosmetics and other industries.
6. The whole machine is made of corrosion-resistant stainless steel, which is easy to clean and sterilize. It complies with national regulations and requirements for food machinery and food hygiene.
7. The production line adopts imported sensors and the position control is accurate.
8. Imported PLC and 7-inch touch screen man-machine interface are used to control the production parameters. The operation is simple
9. This type of production line is relatively advanced and can be modified to meet the different requirements of customers. It can be made to fully meet the needs of customers. Adopting an integral plexiglass cover design to prevent impurities from entering the filling material, safety and hygiene.

500-5000ML全自动灌装生产线

500-5000ML FULLY AUTOMATIC FILLING PRODUCTION LINE



机器特点

该机是一种由微电脑（PLC）可编程控制，光电传感，气动执行于一体的高新技术灌装设备。本机型专用于食品类，如：调味品、植物油、糖浆、秋梨膏、酱料等可食性液体膏体以及农药化工类液体的灌装。灌装计量精确，无气泡、无滴漏。可适用于500-5000ml各种瓶型的灌装。

适用于不同规格容器的灌装，可在数分钟内切换灌装规格，灌装周期短、生产能力高。更换灌装规格无需增添备件，只需作调整即可完成，用户可根据自己的生产能力选择灌装数量确定灌装头数，触摸式操作彩屏，可显示生产状况、操作程序、灌装方式等，画面直观、操作简单、维护方便。每个灌装头设有卡瓶口设置、确保注料对位准确。

设计选用直线式分组进瓶、出瓶的方式、使灌装功能扩展，各种形状的容器、都能在本设备有效灌装，选用进口的气体灌装阀，确保灌装过程无滴漏、无垂涎，强大的PLC软件支持，可实现理想的灌装作业，人机界面，所有操作均在触摸式彩屏上完成。

灌装采用容积式定量，控制活塞缸体的行程来实现不同计量的灌装。气动阀灌装的精确时间可设定到0.01秒，能使计量精确度控制在 $\pm 1\%$ 误差范围，减少不必要的物料损耗，提高用户经济效益。每个灌装头的计量可以进行单独调整，以实现灌装计量的一致。本机设定了进瓶技术程序、无瓶、计数不到位不灌装，只有当计数器记录到的瓶数与设定的灌装瓶数一致时才开始灌装。灌装量的多少，可以进行初调到所需灌装量时，再进行微调，即可得到理想的灌装计量精度。

注：灌装范围和速度可依据用户需求来设计不同的灌装头数

FEATURES

This machine is a high-tech filling equipment that is programmable and controlled by microcomputer (PLC), photoelectric sensing and pneumatic execution. This model is specially used for food, such as seasonings, vegetable oils, syrups, pear pastes, sauces and other edible liquid pastes, as well as the filling of pesticide chemical liquids. Accurate filling and measurement, no bubbles and no drips. It can be applied to the filling of 500-5000ml bottles. It is suitable for filling containers of different specifications, and the filling specifications can be switched within a few minutes. The filling cycle is short and the production capacity is high. There is no need to add spare parts to replace the filling specifications. It can be completed by making adjustments. Users can choose the number of filling heads according to their own production capacity. The touch operation color screen can display the production status, operation procedures, filling methods, etc. The picture is intuitive, simple to operate, and easy to maintain. Each filling head is equipped with a bottle mouth setting to ensure the accuracy of the injection.

The design chooses the linear grouping way into and out of the bottle to expand the filling function. Containers of various shapes can be effectively filled in this equipment. Imported gas filling valves are selected to ensure that there is no dripping and salivating in the filling process. Powerful PLC software support can achieve ideal filling operation, man-machine interface, all The operation is completed on the touch screen.

The filling adopts volumetric quantification to control the stroke of the piston cylinder to achieve different metering. The accurate time of pneumatic valve filling can be set to 0.01 seconds, which can control the measurement accuracy within the $\pm 1\%$ error range, reduce unnecessary material loss, and improve the economic benefits of users. The measurement of each filling head can be adjusted separately to achieve the consistency of filling measurement. This machine has set the technical procedure for entering bottles. There is no bottle, and the count is not in place. Filling will only start when the number of bottles recorded by the counter is consistent with the set number of filling bottles. The amount of filling can be adjusted to the required amount of filling, and then fine-tuned to obtain the ideal filling measurement accuracy.

Note: The filling range and speed can be designed with different filling heads according to user needs.

10头电子秤颗粒填充生产线

10 HEADS GRANULE WEIGHING FILLING PRODUCTION LINE



简要说明

本机适用于颗粒物料称重填充，不受瓶型的限制。组合称计量，设计独特，操作调试容易简便，本机采用PLC控制计量方式，填充重量大小调整方便，即能保证有最快的填充速度，又能够保持填充计量进度。本机轻便灵活，即可独立使用也可与旋盖机、贴标机、铝箔封口机、输送机联机使用，广泛用于各种颗粒物料，如味精、食用盐、固体饮料、白砂糖、饲料、干果类颗粒状添加剂及其它固体颗粒产品的定量灌装。机壳采用不锈钢制造，美观卫生。该系列称重生产线为实用型，它结构简单，易操作，是颗粒填充物料的理想生产设备。

INTRODUCTION

This machine is suitable for weighing and filling of granular materials, and is not restricted by bottle type. Combined weighing, unique design, easy to operate and debug. This machine adopts the PLC control system, the filling weight is easy to adjust, which can guarantee the fastest filling speed and maintain the filling measurement progress. It can be used independently or on-line with capping machine, labeling machine, aluminum foil sealing machine and conveyor line. Widely used in filling of various granular materials, such as monosodium glutamate, edible salt, solid drinks, sugar, feed, dry fruit granular additives and other solid granule products. Shell made of stainless steel, beautiful and sanitary. This series of weighing production line is practical. It is simple in structure and easy to operate. It is an ideal production equipment for grain filling materials.

产品特点

- 1、本生产线采用自动化技术，进口PLC、进口检测电眼、变频器等电气，气动元件。具有 高效、智能化、适应性广、稳定性好等特点，因而受到了广大用户的一致好评。
- 2、本线采用8头活塞式灌装机、自动封罐机、自动挂盖机、高速旋盖机和园瓶贴标机组成全自动化生产线。
- 3、灌装机采用食品专用软管，不含塑化剂，适合医药、食品及其他行业。
- 4、生产线运行稳定、噪音低、维修方便，并且完全符合GMP认证要求，广泛用于医 药、食品、化妆品等行业。
- 5、整机采用耐腐蚀不锈钢制作，清洗消毒方便，符合国家有关食品机械、食品卫生的规定 和要求。
- 6、本生产线采用进口传感器，位置控制准确。
- 7、采用进口PLC及7寸触摸屏人机界面，生产参数化控制，操作简单。
- 8、此类生产线比较先进，可以根据客户的不同要求进行不同的改进，能够做成完。此自动灌装生产线主要用子机油、食用油及其它医药、食品、化妆品行业等液体灌装生产。该线具有自动化程度高、灌装精度高、生产效率大、操作简单、节省人员、使用寿命长等特点

FEATURES

1. The production line adopts automation technology, imported PLC, imported detection eye, frequency converter and other electrical and pneumatic components. It has the characteristics of high efficiency, intelligence, wide adaptability and good stability, so it has been highly praised by the majority of users.
2. This line adopts 8-head piston filling machine, automatic can sealing machine, automatic capping machine, high-speed capping machine and round bottle labeling machine to form a fully automatic production line.
3. The filling machine adopts special food hose without plasticizer, which is suitable for medicine, food and other industries.
4. The production line has stable operation, low noise, convenient maintenance, and fully meets the requirements of GMP certification. It is widely used in medicine, food, cosmetics and other industries.
5. The whole machine is made of corrosion-resistant stainless steel. which is convenient for cleaning and disinfection, and meets the national regulations and requirements on food machinery and food hygiene.
6. The production line adopts imported sensors, with accurate position control.
7. Imported PLC and 7-inch touch screen man-machine interface are adopted for production parametric control and simple operation.
8. This kind of production line is relatively advanced and can be improved according to different requirements of customers. This automatic filling production line is mainly used for liquid filling production of engine oil, edible oil and other pharmaceutical, food and cosmetics industries. The line has the characteristics of high automation, high filling precision, high production efficiency, simple operation, personnel saving and long service life.

理瓶机

Bottle Sorting Machine



- 1.适用于圆瓶、方瓶的自动传送，如连接到贴标机、灌装机、旋盖机的输送带，自动送瓶，提高效率；可应用于流水线中间连接处，作为缓冲平台，减短输送带长度。
 - 2.适用瓶子范围可自由调整，瓶子输送速度30~200瓶/分钟，速度可无级调整，方便生产安排。功能特点
 - 3.对产品的投放与收集、整理，减轻劳动强度，提高效率。
 - 4.结构相对简单，稳定可靠。
- 工作过程：
- 理瓶机转盘带动产品自动旋转，产品在理瓶拨板波动下靠近转盘边缘，产品沿理瓶机的理瓶槽有序导出。

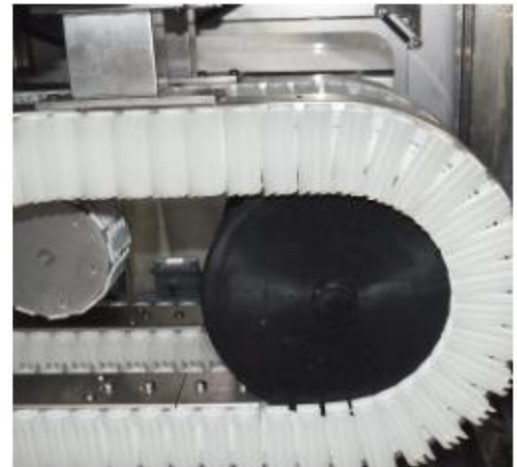
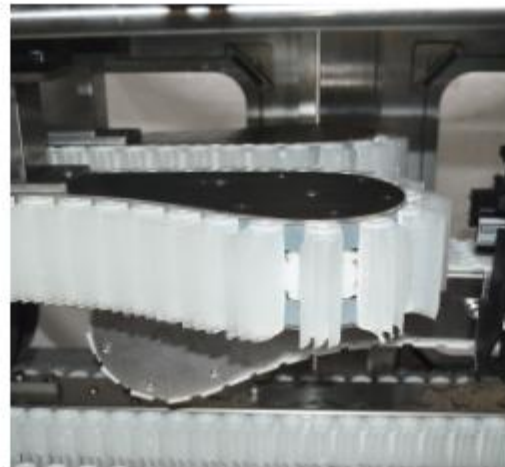
- 1. It is applicable to the automatic transmission of round and square bottles, such as the conveyor belt connected to labeling machine, filling machine and capping machine to automatically send bottles and improve efficiency; It can be applied to the middle connection of the assembly line as a buffer platform to reduce the length of the conveyor belt.
 - 2. The applicable bottle range can be adjusted freely. The bottle conveying speed is 30 ~ 200 bottles / min. the speed can be adjusted steplessly to facilitate production arrangement. Functional features
 - 3. Launch, collect and sort out products to reduce labor intensity and improve efficiency.
 - 4.The structure is relatively simple, stable and reliable.
- Working process:
- The turntable of the bottlesorting machine drives the product to rotate automatically. The product is close to the edge of the turntable under the fluctuation of the bottle sorting dial, and the product is exported orderly along thebottle sorting slot of the bottle sorting machine

技术参数 / Specifications

型号/Model	UF-101	UF-105
电压/Voltage	220V/50HZ	380V
功率/Power speed	0.12KW)	6.5KW
高度/ Height	20MM-150MM	20MM-150MM
转盘直径/Turntable diameter	800MM	800MM
工作温度 /Operating temperature	—	—
尺寸/ Dimension	1200*900*1300MM	1035*750*2840MM
重量/ Weight	65KG	120KG

洗瓶机

BOTTLE WASHER



洗瓶机产品说明:
主要由夹瓶带、输送带、两水两气清洗结构组成可配套灌装流水线使用也可单独洗瓶用，瓶子经挟瓶带送入输送带由挟瓶装置夹瓶翻转进入清洗系统，用卫生泵增压后注水进行水洗工序并由喷水管插入瓶子内冲入空气，完成水洗和气洗的工序，该机具有产品型号更换方便，洗瓶洁净度高等特点。适合适用于各种不同形状的容器，可完成玻璃瓶、PET塑料罐的消毒、冷热清洗、吹干。作方便，维护简单，瓶型的变化只需简单调整，不需要变更零件，是现代化罐头饮料、调味品生产企业的理想设备。是食品、制药、日化等行业使用的理想清洗机械。

Product description of bottle washer:
It is mainly composed of bottle holding belt, conveyor belt and two water and two gas cleaning structure, which can be used in supporting the filling line or washing bottles separately. The bottles are sent to the conveyor belt through the bottle holding belt, turned over by the bottle holding device into the cleaning system, pressurized with a sanitary pump, filled with water for the water washing process, and the spray pipe stem is inserted into the bottle to flush air to complete the water washing and gas washing process, The machine has the characteristics of convenient replacement of product model and high cleanliness of bottle washing. It is suitable for containers with different shapes. It can complete the disinfection, hot and cold cleaning and drying of glass bottles and PET plastic cans. The utility model has the advantages of convenient operation and simple maintenance, and the change of bottle type only needs simple adjustment without changing parts. It is an ideal equipment for modern canned beverage and condiment production enterprises. It is an ideal cleaning machine for food, pharmaceutical, daily chemical and other industries

技术参数 / Specifications

型号 /Model	UFXP-40P
冲瓶能力/Bottle washing capacity	80-150瓶/分 80-150Bottle / min
喷水压力/Spray pressure	0.2-0.8MPa
冲瓶时间/Bottle flushing time	1.5s
尺寸/Dimension	4200×1400×2500mm
重量/Weight	1500 kg

直线式洗瓶机

LINEAR WASHING MACHINE



洗瓶机产品说明:
主要由挟瓶带、输送带、两水两气清洗结构组成可配套灌装流水线使用也可单独洗瓶用，瓶子经挟瓶带送入输送带由挟瓶装置夹瓶翻转进入清洗系统，用卫生泵增压后注水进行水洗工序并由喷水管插入瓶子内冲入空气，完成水洗和气洗的工序，该机具有产品型号更换方便，洗瓶洁净度高等特点。合适用于各种不同形状的容器，可完成玻璃瓶、PET塑料罐的消毒、冷热清洗、吹干。作方便，维护简单，瓶型的变化只需简单调整，不需要变更零件，是现代化罐头饮料、调味品生产企业的理想设备。是食品、制药、日化等行业使用的理想清洗机械。

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技术参数 / Specifications

型号 /Model	UF-8P	UF-10P
冲瓶能力/Bottle washing capacity	1500-2000瓶/小时 1500-2000 bottles per hour	1800-2500瓶/小时 1800-2500bottles per hour
喷水压力/Spray pressure	0.2-0.3MPa	0.6-0.8MPa
功 率/Power	1.2kw	2.5kw
尺寸/Dimension	2000×1300×1900mm	2000×1400×1900mm
重量/Weight	400kg	430kg

烘干机

DRYER



- 烘干机产品说明：
- 1.该机采用节能高效灯管，固化能力强，使用寿命长，还采用了特殊的反光罩，大大提高光照固化能力；
 - 2.输送速度无级可调，适合于各种手工、自动印刷机配套；
 - 3.采用多孔排热、排气系统，使工作温度可任意调节，保证物件不致变形；
 - 4.输送辊筒设有纠偏结构，保证运动的调节灵活；
 - 5.该机核心零件，产品低能高效，性能稳定，质量可靠，操作维修方便；

- Product description of dryer:
- 1. The machine adopts energy-saving and high-efficiency lamp tube, which has strong curing ability, long service life and low cost Special reflector is adopted to greatly improve the light curing ability;
 - 2. The conveying speed is stepless and adjustable, which is suitable for various manual and automatic printing machines
 - 3. Adopt porous heat exhaust and exhaust system to make the working temperature adjustable and ensure Verify that the object is not deformed;
 - 4. The conveying roller is equipped with deviation correction structure to ensure flexible adjustment of movement;
 - 5. The core parts of the machine are low-energy, high-efficiency, stable performance and reliable quality, Convenient operation and maintenance;

技术参数 / Specifications

型号 /Model	UFHG-30P
电源电压/ supply voltage	380V,50-60HZ
功率/Power	18KW
速度/ speed	500-1000M/H
尺寸/Dimension	2000×800×1600MM
重量/Weight	230kg

Thank You
For Your Attention

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