

## **Magnetic Gear Pump Liquid Filling Machine**



### **Brief Introduction**

SINBON automatic liquid filling machine is composed of touch screen, PLC, metering pump, conveying system, diving filling nozzles, movable bracket etc. It is a new type of automatic filling machine with small footprint and convenient movement newly developed by our company. The machine not only can work with user's existing production line to realize automatic production, but also can be used as a desktop automatic filling equipment; it can not only meet the needs of large-scale production in factories, but also meet the production needs of small batches such as laboratories or workshops. This is the machine with small size, strong functions and wide range of applications. A slight adjustment of the equipment according to the actual needs of users can meet the actual filling needs of users.

### **Advantages**

- Most Cost-effectiveness design,
- Small footprint machine to finish automatic function
- Suitable for most of easy flow liquid
- Easy operation, no need special training

## Features

- Famous brand touch screen, PLC, motor, electrical components, etc. are used to ensure machine system can working stable in long-term. The touch screen interface is simple and intuitive, and the equipment can be used proficiently without professionals.
- Fully automatic production, automatic bottle feeding, automatic bottle positioning, automatic filling, and automatic output of finished products; automatically stop filling when lack bottle or no bottle to avoid waste.
- The metering pump is equipped with a magnetic gear pump as standard offer, and can be equipped with other metering pumps for option such as peristaltic pump, gear pump, and ceramic pump.
- The filling volume setting and filling speed of each pump can be independently adjusted and set
- The machine has a counting function, which is convenient for users to count the production capacity.
- Adopt diving filling nozzle to realize in-bottle filling and reduce foam generation and avoid material overflow.
- The filling system adopts anti-drip and anti-backflow design, which makes the filling volume more accurate.
- The conveyor adopts chain design, which has strong loading capacity, wear-resistant, corrosion-resistant, durable, non-deformable and easy to clean. The filling and bottle moving are smooth and stable.
- The conveyor is equipped with an independent speed control system, which is convenient for the speed adjustment to match with the front and rear production equipment.
- The machine has innovative design in terms of user safety, including hidden diving filling nozzles and hidden motor design, and the front and rear bottle blocking cylinders are equipped with stainless steel protection baffles, which greatly improves the safety of user and enhances the level of machine appearance.
- The machine can be equipped with a screw capping/pressing capping device to realize automatic filling and capping, which greatly saves labor costs.
- The whole machine is made of stainless steel 304, and the stainless steel surface is more beautiful by wire drawing processing, easy to clean and sterilize without hygienic dead ends, and meets the requirements of HACCP and GMP in the food and medical industry.

## Application

- It is suitable for quantitative dispensing or filling of various easy-to-flow liquids, such as perfume, essential oil, edible oil, mineral water, potion, soy milk, milk, liquor, vinegar, beverages, etc.
- It is suitable for quantitative sub-packaging of liquids in food, medicine, daily chemical and other industries.
- Suitable for below different applications

		
Perfume	Essential oil	Milk
		
Water	Vinegar	Medicine

### Specification

Model No.	YH100-4H (Desktop)	YH100-4H (Floor standing)
Filling Range	5-3000ml	5-3000ml
Filing Accuracy	±0.5-1.0%	±0.5-1.0%
Flow Rate	≤ 3L/min./Pump	≤ 3L/min./Pump
Capacity	100ml: ≤1800BPH	100ml: ≤1800BPH
Pump Type	Magnetic Gear Pump	Magnetic Gear Pump
Pump Material	Pump material is SUS304, Gears are peek	Pump material is SUS304, Gears are peek
Nozzle Type	Standard Nozzle: 8mm	Standard Nozzle: 8mm
Nozzle Quantity	4pcs	4pcs
Dimension	1140(L)x400(W)x330mm(H)	1140(L)x400(W)x1080mm(H)
Air source	0.4-0.7Mpa	0.4-0.7Mpa
Power source	AC220V±7%; 50Hz; 1P	AC220V±7%; 50Hz; 1P
Net Weight	60kg	90kg



## Semi-auto Liquid Filling Machine

### Brief Introduction

- GZ series economical liquid filling machine use magnetic gear pump and transport liquid, the core is using touch screen to control, compact structure, easy to operate, measurement accurate, reliable quality with longer working life. It can be used in pharmaceutical, food, oil, chemical industries and it is suitable for most of kinds of easy flow liquid and liquid should not have granules; GZ filler is suitable for maximum liquid viscosity like soybean oil, liquid viscosity is not more than soybean oil all can be used on this machine

### Specification

Model No.	GZ-4HB	GZ-8HB
Filling Range	5-3000ml	5-3000ml
Filing Accuracy	±0.5-1.0%	±0.5-1.0%
Flow Rate	≤ 3L/min./Pump	≤ 3L/min./Pump
Capacity	100ml: ≤1800BPH	100ml: ≤3600BPH
Pump Type	Magnetic Gear Pump	Magnetic Gear Pump
Pump Material	Pump material is SUS304, Gears are peek	Pump material is SUS304, Gears are peek
Nozzle Type	Standard Nozzle: 8mm	Standard Nozzle: 8mm
Nozzle Quantity	4pcs	8pcs
Power source	AC220V; 50Hz;1P	AC220V; 50Hz;1P
Net Weight	40kg	50kg



**Company Profile**

**Shanghai Yuhang Industrial Co., Ltd.** was established in Shanghai in 2014. It is a subsidiary of HongKong SINBON Industrial Limited. The factory specializes in the design and production of various filling machine, capping machine, labeling machine, metal detector, check weigher, induction sealing machines, packaging-related equipment etc., also provide solutions for complete packaging production lines. The company has attached great importance to product design and quality control since its establishment. The R&D and design personnel are all senior technical personnel in the industry. More than 10 years of rich practical experience in the industry ensure that our products can well meet the actual needs of users and can also be customized according to the actual needs of users. Users require non-standard customized equipment to meet users' different production equipment needs or solve actual production problems. In addition to making good products, we also actively support users in after-sales service, so that users can buy and use with peace of mind. Although most users are far away in time and space, our technical support is always by your side. The products have patent certificates and CE certificates and our equipment is currently working in most countries.

**Contact Us****Shanghai YUHANG Industrial Co., LTD.**

Plant Add.: No. 3535 Nanfeng Road, Qingcun Town, Fengxian District, Shanghai, 201414, China

Office Add.: RM502, No. 3 Lane 168 Chengnan Rd., Huinan Town, Pudong New District, Shanghai, 201399, China

Tel/Fax: +86-21-20781031/20781032

Email: [sales@sinbon.net](mailto:sales@sinbon.net) [sales@sinbon.com.hk](mailto:sales@sinbon.com.hk)

