



GREWIN INDUSTRIAL GROUP CO.,LTD.

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NAME: GW-08M Semi-automatic glue filling machine



Introduction:

Glue filling machine, also known as AB double liquid glue filling machine and automatic glue dispensing machine, is an automated machine specially designed for filling AB glue on the surface or inside of the product to achieve sealing, fixing, waterproofing and other functions. Glue filling machine equipment is mainly used in the fluid control industry, and the glue is controlled to fill products and workpieces. The working principle of the glue filling machine is mainly to use compressed air to control the on-off switch of the glue dispensing valve, and use a pump to transport the glue from the glue storage barrel to the switch mixing part.

This equipment is a glue filling machine specially designed for two-component AB glue. Glue and curing agent are automatically proportioned, automatically mixed, and automatically dispensed. The proportioning and metering of A/B glue all use high-progress metering pumps and motors to achieve accurate proportioning and glue output, which is not affected by air pressure. The machine automatically quantitatively fills, and the microcomputer controls the glue amount. The glue amount is uniform and consistent, which solves the problem that the glue amount of each product is inconsistent due to manual glue application, which affects the product quality.

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Improved the customer's original manual production process, saved glue, replaced labor, reduced defective products, improved product quality, increased output, reduced production costs, and enhanced corporate competitiveness.

Technical parameters:

- Product name: Semi-automatic glue filling machine (optional double head)
- Model specification: GW-08M
- Start mode: foot switch/start button
- Ratio accuracy: $\pm 1\%$ (based on 10 grams)
- Dispensing accuracy: $\pm 1\%$ (based on 10 grams)
- Glue ratio: 100:20
- Speed: 2g-10g/s adjustable.
- Measuring method: servo motor + high-precision screw/gear metering pump (depending on the glue)
- Barrel material: AB stainless steel barrel
- Barrel capacity: A 30 liters B 8 liters (size optional)
- Barrel stirring: A barrel stirring
- Heating: A barrel material pipe heating, temperature adjustable.
- Vacuum degassing: A/B barrel vacuum degassing. (Optional)
- Rubber hose: Teflon hose
- Mixing method: static/dynamic

Machine performance:

- Button Chinese operation interface, easy to learn and understand.
- The ratio and glue output can be adjusted at will, no programming is required, just set the glue output.
- Stable glue output, no glue dripping.
- Mixing ratio according to demand, achieving mixing and glue filling, saving glue to the maximum extent.
- Double barrel design, A glue and B glue are stored separately, ensuring that the glue will not solidify after long-term storage (except for curing agent crystallization).
- Unique control system, not affected by air pressure factors, avoiding uneven glue output, drawing, bubbles and other phenomena.
- The storage barrel is equipped with a liquid level sensor switch, and the lack of material automatically alarms.

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- AB barrels are made of stainless steel, suitable for different glues and different types of infusion processes.
- One-button cleaning function, easy and quick cleaning.
- With anti-curing function, it effectively prevents glue from solidifying in the mixing tube.
- Save labor, one device can reach the output of 2-4 traditional people.

Machine Configuration:

Machine configuration	Detailed description
Control system	PLC + touch screen
Software system	Self-developed
Temperature control system	Integrated PLC with built-in touch screen to set temperature
Heating coil	Silicone anti-scaling belt (with built-in insulation)
A/B metering pump body	Grewin customized high-precision metering pump (screw/gear depends on glue)
A/B metering motor	Jiemeikang servo motor + driver
Reducer	Chuanming
AB rubber hose	Teflon high-pressure pipe
A/B barrel	A: 30L / B: 8L
Barrel stirring	Dongming Motor
Vacuum pump (optional)	Feiyue VSV-020 (-0.1MPa) (optional)
Automatic cleaning	2L cleaning bucket / three-way valve
High-precision back-suction anti-leakage valve	Grewin
Liquid level detection	Float type

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Air source pressure detection	QPM11-NC normally closed
Switch power supply	Taiwan Mingwei LRS-200
Air switch	Delixi
Relay	Helijia
Solid-state relay	Helijia
External main switch	Red wave
Three-color light/buzzer	Red wave
Equipment keel	4040 profile
Equipment sheet metal	Environmentally friendly stainless steel 1mm
Equipment power	2800W
Working power supply	AC220V 50-60HZ
Working air source	0.5-0.7 Mpa
Machine weight	About 120kg

➤ The equipment has a reasonable layout, a solid structure, a beautiful appearance, and stable and reliable performance. (The exterior is made of profiles + stainless steel sheet metal)

➤ The equipment is simple and convenient to operate, and the electrical safety, personal safety and health meet the relevant national standards and requirements. The start-up method uses a start button and a foot switch.

➤ For easy cleaning, the equipment is easy to disassemble and equipped with facilities for automatic cleaning. It has an anti-curing function to effectively prevent the glue from curing in the mixing tube.

➤ The equipment comes with software and an LCD touch screen.

➤ The glue barrel of the equipment is made of stainless steel. Both A and B glue barrels have an automatic alarm function for lack of material.

➤ The equipment uses a high-speed metering pump for delivery and static mixing and stirring for precise proportioning and mixing.

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