

## *GD-005D Disposable Ampoule Filling And Sealing Machine*



The PE tube filling and Ultrasonic sealing machine is the latest cutting-edge equipment in the industry. Designed to mimic the blowing, filling, and sealing process, it stands out by specifically targeting PE tubes. With this innovative machine, you can easily fill and seal pre-produced PE tubes.

1. This machine completes a series of actions such as filling, sealing, cutting and finished products, except for tube placement;
2. Equipped with safety devices and overload protection;
3. Servo motor precise positioning;
4. Ultrasonic technology is used for sealing, and the sealing effect is stable and long-lasting; the sealing line is clear and does not deform;
5. Independent research and development of digital ultrasonic automatic frequency tracking electric box, no need to manually adjust the frequency, increase the automatic power compensation function, and will not cause the power of the machine to drop due to long use time. The power can be adjusted freely according to the material and size of the hose, the output is stable, the failure rate is extremely low, and the service life is longer than that of ordinary electric boxes;
6. It adopts PLC touch screen control, equipped with a fault alarm system, and the fault information is displayed on the touch screen, which is clear at a glance, and can quickly locate and solve problems;
7. The whole machine is made of 304 stainless steel, acid and alkali resistance, corrosion resistance;
8. The machine is equipped with an automatic identification system, no tube, no filling and no sealing, reducing the loss rate of the machine and mold;
9. Five-head precision ceramic pump filling machine, filling accuracy  $\pm 0.02\text{ml}$ ;
10. The design of the sealing mold adopts an embedded structure, which is convenient for disassembly and debugging;
11. The processed parts are all processed by grinding and chamfering.

## Main technical

Model	GD-005H	GD-005/005D	GD-003
Auto/Semi-auto	Fully Auto	Semi Auto	
Funtion	Filling and Sealing		Sealing
Safety Protection	Safety device equipped		Overload protection
	Overload protection		
Station	Servo Motor Driven Chain Type	6 Stations (Rotary Table)	1 Stations
Tube type	Strip monodose vials tubes		
Tube material	PP/PE plastic composite pipe/Aluminum plastic tube,etc		
Automatic Identification	No tube-no filling&no sealing		No tube no sealing
Fault Alram	Failure warning feature		/
Frequency	20 kHz		
Power	2.6 KW	2.2 KW	2 KW
Power supply	AC220V/110V		
Filling system	5 heads Valveless Ceramic Plunger Pump (liquid)		/
	5 heads Rotary Valve Ceramic Plunger Pump (paste)		/
Filling Range	0.3-10ml Valveless Ceramic Plunger Pump		/
	1-10ml Rotary Valve Ceramic Plunger Pump		/
Filling Error	±0.02g	±0.05g	/
Capacity	15-20strips/min	10-13strips/min	8-12strips/min
Tube diameter	1-7 strip/length 50-140mm		
Tube height	50-150mm		
Working pressure	0.6MPa		
Air comsumption	0.4m3/min		
Dimension (mm)	1300*1300*1950	1300*1000*1550	560*540*880
N.W/G.W (Kg)	420	330	105