

GD-005 Mono Dose Strip Tube Filling And Sealing Machine



This is a semi automatic single dose(also called mono dose)tube filling and sealing machine, the working process is as following:

1. Mono dose strip tube feeding onto the machine by hand
2. Liquid or cream, paste filling into the tube by filling pump(the pump will be different as per the product viscosity)
3. Tube sealing
4. Filled and sealed tube discharge

The strip mono dose tube for single use is made at 1ml, 2ml, 3ml,5ml and 10ml.

The tube type that can be applied on the machine are: Plastic Tube, Aluminum Plastic Tube, Composite tube

It is used for packing essential oil, serum, gel, eye cream, sample product, pet supplies etc.

Machine features:

1. Five stations are integrated on one machine so that the machine can fill tubes in mass production;
2. Tubes are fed automatically and the following filling, sealing, end cutting and discharging are finished automatically;
3. The machine adopts ultrasonic sealing technology for shorter heating time, stabler and neater sealing, no distortion and low failing rate (<1%).
4. Automatic ultrasonic controller allows no manual adjustment of ultrasonic frequency and consistent ultrasonic performance after long time use. It can also adjust the ultrasonic strength according to the tube material and size. It works stably in high precision and long service life.
5. PLC and touch screen can directly show the alarming information, locate the error and display its resolution immediately.
6. Each station can be controlled independently on the touch screen for easy machine adjustment. The user or the operator can debug the machine with only one tube to save time and material.

7. The standard machine is equipped with a peristaltic pump filling system for high-accuracy liquid filling.
8. The cam indexing system can work precisely for the six stations.
9. The machine is made of SS304 to be resistant for acid and alkali.
10. No tube, no filling and no sealing to reduce tube material waste and save energy.

Main technical

Model	GD-005H	GD-005
Auto/Semi-auto	Fully Auto	Semi Auto
Funtion	Filling and Sealing	
Safety Protection	Safety device equipped	
	Overload protection	
Station	Servo Motor Driven Chain Type	6 Stations (Rotary Table)
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	
Fault Alram	Failure warning feature	
Frequency	20 kHz	
Power	2.6 KW	2.2 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
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
N.W/G.W (Kg)	420	330