

Piston Liquid Filling Machine



Our automatic piston liquid filling machine adopts the principle of plunger quantitative filling, and the bottle feeding, positioning, filling and bottle discharging are automatically controlled by PLC, which meets the GMP standard. It is suitable for liquid paste filling of medicine, food, daily chemical, pesticide and fine chemical industry. In the filling station of the piston liquid filling machine, because the bottle body is continuously transported forward, the tracking filling parts are required to realize four functional actions, i.e. tracking down and inserting into the bottle mouth, tracking filling, fast rising and fast returning. Each functional action can be divided into horizontal tracking movement and vertical lifting movement, and the four functional actions constitute a movement cycle.

- 1: Touch screen operation interface
- 2: support up and down motion filling, effectively prevent froth generation.
- 3: The filling accuracy can reach $\pm 1\%$ (according to different products, the filling accuracy is different)
- 4: The filling cylinder is treated with hard chrome and ground. The unique design of filling valve ensures no dripping
- 5: With no bottle and no can function
- 6: Different positioning devices are designed according to the actual situation of the bottle
- 7: The equipment is easy to clean and can be cleaned online or sterilized at high temperature
- 8: 304 stainless steel is used for material contact

Machine Parameters:

Filling nozzles	2	2
Filling range	100-1000ml	500-5000ml
Filling speed	2000-3000BPH	1500-3000BPH
Accuracy	±1%	±1%
Voltage, power	3.4kw、380v	3.4kw、380v
Working pressure	0.6-0.7mpa	0.6-0.7mpa
Air consumption	6~7m ³ /min	6~7m ³ /min
Machine size	3000*1500*2100mm	3000*1500*2100mm
Machine weight	650kg	650kg