

## *PLC Control Automatic Ketchup/Tomato/Sauce Filling Machine Sauce Paste Production Line*



The machine adopts PLC control, according to the filling bottle, fixed discharging mouth, the rest all operation can be finished on a touch screen. In addition to have common automatic servo piston filling machine advantages, also the widened the range of filling material. Such as filling material contains particles, long strips of solid content, also can be a very effective filling. This machine adopts serve ball-screw system to drive the piston cylinder. It's widely used in Food, Chemical, Medical, Cosmetics, Agrochemical industry, applicable for filling liquid, especially for high viscosity material and foamy liquid, such as: Oil, Sauce, Ketchup, Honey, Shampoo, Lotion Lubricant oil, etc.

### **Overview**

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### **Features**

1. The flow control devices of each filling head are independent of each other, precision adjustment is very convenient.
2. The material of the machine material contact part can use the food grade material according to the products feature, in line with the GMP standard.

3. With regular filling, no bottle no filling, filling quantity/production counting function etc features.
4. Convenient maintenance, no need any special tools.
5. Using drip tight filling head, no leaking.
6. Photoelectric Sensor, Mechatronics Filling Adjustment System, Material Level Control Feeding System
7. Stainless Steel Frame, Plexiglass as Security Cover
8. Control System: PLC/Electronic-Pneumatic Controlled
9. Capacity Adjustment: All cylinders adjusted automatically combine single cylinder adjusted individually.

## Parameter

Number of filling heads	4~20 head (depending on the designing)
Filling capacity	according to your requirement
Filling type	piston pump
Filling speed	500ml-500ml: ≤1200 bottles per hour 1000ml: ≤600 bottles per hour
Filling accuracy	±1-2g
Program control	PLC + touch screen
Main materials	304 stainless steel, 316 used in food industry
Air pressure	0.6-0.8Mpa
Conveyer belt Speed	0-15m/min
Conveyer belt Distance away from the ground	750mm±50mm
Servo motor	Panasonic Japan
Power	2.5-3.5KW12
Capacity of material tank	200L (with liquid level switch)
Protective device	Outage alarm on shortage of liquid in the reservoirtank
Power source	220/380V, 50/60HZ or customized
Dimensions	1600*1400*2300 (length*width*height)
Host weight	about 900kg