



## *Automatic Pet Bottle Sunflower Vegetable Oil Filling Bottling Equipment*



This machine used to filling 500ml-5L PET bottle food oil, cooking oil. Also it can use to filling bottle water, juice, beverage, drink, which the bottles don't need to washing/rinsing.

The machine's piston cylinder and piston stroke use the most advanced servo motor driving, timing belt transfers, drives ball screw to move. When containers are transferred to front interception mechanism, detection photoelectric red light glitters, when the last container gets to rear interception mechanism, detection photoelectric red, green light glitters, rear interception shovel closes, at the same time, bottle blocking mechanism blocks bottleneck, filling valves dive into bottle mouth, PLC instructs servo motor to start up, drives connecting bar to transfer, makes piston reciprocate, so that materials in piston cylinder are pushed into containers via pneumatic three-way valve, filling valve and accurate measurement.

This Oil Filling Machine is suitable for liquid without carbonated, semi-fluid qualitative filling. Counting of bottles inlet qualitative filling, bottles outlet is done automatically. Especially suitable for SL, EC, SC, edible oil, lubrication oil. It is an ideal equipment for foodstuff, medical, cosmetic, fine chemical, pesticide industries.

### **Features:**

1. It adopts advanced mechanical and electrical integration technology. Any filling specification can easily be done by changing parameters in touch screen. Not only the filling volume of 6 filling heads can be changed substantially, but also each filling head volume can be changed finely.
2. With touch screen technologies, which make operation of machine steadier, convenient, the human machine interface is more friendly. Photoelectric sensor, approaching switch and other

elements are using international famous brand. No bottle no filling, the machine can stop automatically and alarm when bottles get blocked.

3. It uses the method of submerging filling; various sealing rings used can meet different characteristics of products requirements.

4. The design and production of this machine is in accordance with GMP standard requirements. Easily dismantle, clean and maintain. The parts which contact filling products are made of high quality stainless steel. The whole machine is safe, environmental, sanitary, adapting to various kinds of working places.

#### **Main Technical parameters:**

Production capacity (bottle/hour)	500-2000BPH (5L PET barrel)
Suitable bottle diameter (mm)	$\varphi=100-300\text{mm}$ , H=15-500mm, 2L-20L
Motor power Main motor	3kw
Overall dimension (LxWxH)	2200x2100x2250mm
Weight	1800kg
Touch screen	Mitsubishi (Japan) / Siemens (Germany) / Willen(Taiwan)
PLC	Mitsubishi (Japan)
Transducer	Mitsubishi (Japan)
Electronic control keys	Mitsubishi / Siemens / Schneider
Air-actuated componen	Airtac (Taiwan)
Solenoid valve	FESTO (Germany)