



## *Automatic 3-in-1 Wine Filling Machine GFFDP 18-12-1*



The principle of low-vacuum filling is adopted, and the bottle is filled against the wall to ensure that the liquid level is consistent after filling.

### **Features**

- Main features: This machine is mainly used for bottle filling of wine, soy sauce, vinegar, etc.
- The principle of low-vacuum filling is adopted, and the bottle is filled against the wall to ensure that the liquid level is consistent after filling.
- Bottles with defective bottles are automatically not filled, no liquid is spilled, no bottle is broken, and the bottle height error is automatically adjusted. The well-designed bottle holding device is carefully selected and used with high quality materials. With reasonable design, high-end processing technology, accurate compression and reduction The shock ratio ensures the service life of the bottle holding device.
- The filling valve adopts the advanced filling principle of the filling industry, reasonable design, excellent quality and accurate processing parts to ensure the liquid level requirements after filling.
- Without disassembling the filling valve, simply lift the valve up and turn it 15 degrees clockwise to place the filling valve in a normally open state. At this time, the filling barrel and the filling valve can be easily reversed. Flushing. It adopts a single pin fixed valve body structure, and the valve core can be pulled out by pulling the pin shaft lightly. The principle is simple and the maintenance is extremely convenient.
- The filling machine uses imported high-sensitivity liquid level probes, imported liquid level control devices, and pneumatic angle seat valves to control the liquid level in the filling barrel to fluctuate within 30mm. This device can achieve the same as the wine pump Synchronous action, liquid filling can be achieved without a high-level tank.

## **Flushing machine characteristics**

- 1) Adopting flexible and powerful manipulators to grasp the bottle, flip the bottle, flush the bottle, control the bottle, flip the reset, eject the bottle and other processes, to achieve fully automated production.
- 2) Continuous follow-up flushing bottle has high efficiency and stable and reliable flushing effect.
- 3) Adopt the international famous brand inverter to adjust the speed, and the speed can be controlled freely.
- 4) The introduction of foreign advanced technology, the flip manipulator developed and developed has the advantages of accurate bottle positioning, free flipping movement, good flushing valve sealing performance, large flushing force and accurate neutrality of the bottle mouth.
- 5) The bottle guide screw and dial processed by the CNC engraving center are used to enter and exit the bottle to accurately introduce the bottle into the bottle track, which effectively solves the problems of squeezing, jamming, blocking, and breaking the bottle.
- 6) After pressing the lifting button and replacing the corresponding bottle diameter dial, bottles with different bottle diameters and bottle heights can be replaced, which is easy to adjust.

### **Features:**

- 1) Large range: suitable for bottle diameter of 60-100mm, bottle height of 250-350mm, wide range of filling capacity and easy adjustment
- 2) Fully compatible: Various round containers such as glass, porcelain, plastic, and pottery bottles can be fully automated. The machine can be easily connected to the original various bottle delivery lines.
- 3) Liquid level: The filling liquid level does not change with the bottle capacity, and the filling liquid level is the same.
- 4) No dripping: The seal is tight and reliable, and the broken and leaking bottles and no bottles will not be filled automatically and will not be spilled.
- 5) Non-breaking bottle: Adopt flexible bottle supporting device, the bottle height error can automatically adapt, soft start, soft brake, no rigid impact, and no damage to the bottle.
- 6) The first to introduce foreign filling technology, using negative pressure equal filling valve, good bottle feeding guidance, fast liquid level filling speed, making the product better than the industry standard.

### **Characteristics:**

- 1) The structure design is novel, compact and reliable.
- 2) Easy maintenance, fewer failures, and long equipment life.
- 3) Adjust the stopper height according to the height of the bottle shape, and the applicable range of bottle height is wide.
- 4) The bottle feeding and stoppering process has elasticity and overload protection to prevent bottle breakage and damage to the machine.
- 5) No bottle, no cork, prevent waste of cork.

### **Technical Parameters:**

- Model: GFFDP 18-12-1
- Production capacity: 1000-2000 BPH(750ml )
- Filling heads: 18
- Rinse heads: 12
- Capping heads: 1
- Bottle height: 150-320 (mm)
- Total power: 2.2 (kw)
- Dimensions: 2100 \* 1700 \* 3200mm
- Total weight: 2200 (kg)