

FC4077 Vial Filling Capping Machine Equipment (Piston Pump Liquid Filler & Capper Line)



The automatic vial filling capping machine equipment is combined with bottle infeed device, which means there are three functions in one frame, providing fully automatic bottle feeding, bottle positioning, liquid filling, cap placing, and cap screwing procedure; all mechanisms are synchronized that keep production from being interrupted.

Features

1. Small volume automatic filling capping machine that equipped with colored human-machine touch screen and programmable logic control system(PLC) , and the parameter setting is quick and simple.
2. Design: bottle feeding belt + 1000mm dividing plate + filling + cap placing + capping + collecting
3. Equipped with servo motors for high capping and filling accuracy by adjusting speed based on different bottle and cap sizes.
4. The advanced servo motor makes it possible to adjust the capping speed and capping torque and provide high accurate capping.
5. The liquid hopper is located on the machine, so don't require larger space and can easily refill it.
6. With the Polished, seamless one-piece hopper, there is no need to worry about liquid remaining and can be easily cleaned.
7. The precise sensor automatically detects whether the bottle jam/ overturned/ no-bottle situation happened, and stop the production in response to ensure the bottle conveying process is smooth.
8. Missing cap will be found automatically by the sensor, and capping will stop automatically.
9. The servo motor provides the stable capping torque, and ensures that every bottle caps have the same tightness.
10. Auto bottle detector for locating bottles while infeeding and sorting; ensure accurate filling and capping.

11. The adjustment of filling volume and capping tightness is no tool needed, and the only thing you have to do is operating the human-machine interface.
12. Piston pump liquid filler & capper Line is made of stainless steel and hardened aluminum alloy, solid constructed and easy to maintain.
13. The speed of the conveying belt and bottle infeed/outfeed device are synchronized, providing stable bottle transportation. The fence height is adjustable according to the bottle you used.
14. Vial filling capping machine complies with cGMP standard, and it has automatic control system that working in the whole production procedure.
15. The optional star wheel for different size of bottle is available.
16. Can apply to all pharmaceutical, food, biotech and chemical bottle filling-capping production.
17. One single machine can apply to many kinds of product and it's simple to change the module and clean the machine.
18. The machine is time saving, easy operating and suitable for inexperienced operator.
19. In feeding and out feeding belt designed for smooth conveyance without bottles getting inverted.
20. Made of SUS#304 stainless steel and aluminum alloy for frame construction for easy maintenance and longevity.

Specification

- Hopper size: 10-20L
- Filling range: 2-20ml
- Overall speed: 10-30bpm
- Filling accuracy: $\pm 0.5\%$
- Cap types: all cap types
- Power supply : 220VAC, 50Hz; single phase
- Dimension: (L)2188mm (W)1878mm (H)1570mm