

## *CCG5000-4/6/8/12TS Automatic Liquid Filling Machine*



Automatic linear piston filling machine is an extremely flexible piston filler capable of filling accurately and rapidly a wide variety of products from low viscosity liquids to high viscosity paste or cream with or without chunks or particulates. Widely used in the food industry(e.g., paste filling machine, butter filling machine, jar filling machine, ketchup filling machine, honey filling machine, edible oil filling machine, sauce filling machine, etc); household product industry(e.g., shampoo filling machine, liquid soap filling machine, liquid detergent filling machine, hand wash filling machine, etc), personal care industry(e.g., cream filling machine, lotion filling machine, gel filling machine, perfume filling machine, etc); Chemical industry(e.g., grease filling machine, lubricant filling machine, etc); pharmaceutical industry(e.g ointment filling machine, e-liquid filling machine, etc).

Automatic linear piston filler is designed for completely automatic, multiple positions, inline dispensing of liquids and pastes in volume ranging from 50ml to 1000m per cycle. Available in 6, 8, 10,12, and 16 nozzle configurations to match specific production requirements, the Dual lane option is available to increase production by 100% while preserving valuable line space.

Linear piston liquid filling machinery is manufactured with a 304 stainless steel frame, It comes standard with PLC control and touch screen HMI ensuring reliable, repeatable control with minimal operator intervention, Precision bored, heavy-walled metering cylinders dispense product at accuracy up to +/- 0.2%, High-precision, the servo motor is driven screw movement faster and more precise than the pneumatic system, food-grade stainless steel, and plastics for sanitary operations or use, anodized aluminum components, plus many more features available with motorized conveyor and indexing package for integrated container handling and positioning, No container/No fill feature detects missing or mispositioned containers to prevent waste and product spillage. Unique variable, separate speed control, and actuator of a dual-stage fill provide precise “no-spill” control for top-off applications or filling difficult products.

Empty bottles are staged on the main drive conveyor prior to entering the piston filler. Bottles enter the filler and are counted by optical sensors to ensure the correct numbers of bottles are in position. Once in place, bottles are locked in position by the pneumatically operated bottle clamping mechanism. This ensures bottles are located correctly under each filling head to minimize under or over-fills. The filling process begins as a series of stainless steel valves descend into the bottles for fast, accurate, and consistent filling. After target volume is achieved, the out-gate cylinder withdraws itself from its position and allows the filled bottles to go further on the conveyor for the sealing operations.

### Technical Parameters:

Number of filling	4/6/8/12 filling heads
Applicable Bottle	Round bottle: $\Phi 80$ —140mm Height 140—340mm Flat Bottle:L 80—200mm W80—140mm H140—340mm
Filling Volume	1000-5000mL
Filling Precision	$\pm 5g(1000mL)$ $\pm 8g(5000mL)$
Inlet Height	2550mm
Inlet Diameter	Dn40
Filling Nozzle Dimension	$\Phi 26mm$
Minimum Bottle Neck Inner Dimension	$\geq \Phi 30mm$
Air Pressure	0.6-0.8MPa
Power Source	$\sim 380V$ 50Hz/2.7KW
External Dimension	2365 $\times$ 1600 $\times$ 2750mm(L $\times$ W $\times$ H)
Gross Weight	$\sim 2000Kg$
Optional weighing feedback, maximum measuring range 6 kg, if the specific gravity of materials $\geq 1.2$ , then according to the actual situation custom	