

Automatic Dropper Bottle Filling & Cap Screwing Machine CGS-1



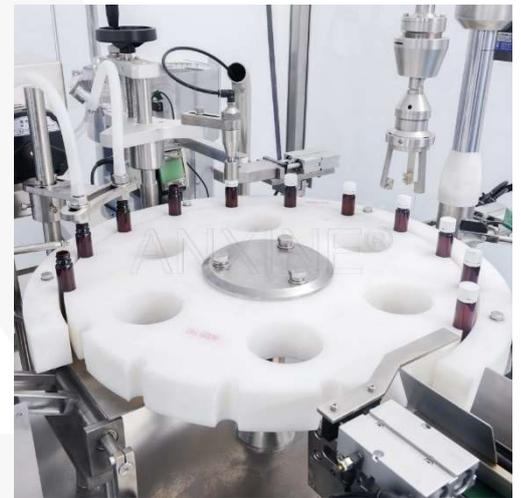
The CGS-1 automatic model is made for filling and capping small dropper bottles. It can fill liquids like eye drops, oils, or other products. It uses a peristaltic pump, which gently moves the liquid through a soft tube and into the bottle. The machine picks up each cap and tightens it automatically. Sensors check for missing bottles or caps so nothing is wasted. The whole system is clean, safe, and easy to use. It's a good fit for small bottle production in medicine, skincare, or lab use.

During operation, the machine starts by organizing empty bottles and turning them upright. It moves the bottles into place one by one with a rotating platform. The peristaltic pump fills each bottle with a set amount of liquid. This pump can work accurately for small doses. If the machine sees that a bottle is missing, it will skip the filling step to avoid spills. The bottles then go to the

capping station. Next, the caps are gently pressed and screwed on tight. Finally, complete products are sent for further processing.

Features

- ✓ **Precise filling system.** The machine uses a peristaltic pump that delivers exact amounts of liquid, ideal for small doses.
- ✓ **Smart sensors.** Sensors check if a bottle or cap is missing. If so, the machine stops that step to avoid mistakes.
- ✓ **Adjustable for different bottles.** The filling needle height and position can be changed to match the bottle size.
- ✓ **Stable operation.** It runs smoothly with the help of air pressure and has safety systems to protect the parts.
- ✓ **Easy to maintain.** The machine includes simple access to key parts, and regular maintenance is easy to follow.
- ✓ **Production line integrated.** It can work alone or connect to other machines for full packaging automation.



Specifications

Model	CGS-1
Production Capacity	1500-1800 bottles/hour
Air Pressure	0.5-0.8 MPa
Air Volume	25-27 m ³ /h
Power Supply	220V 50Hz
Total Power	2 kW
Weight	Approximately 800 kg
Dimension	3,500 mm × 2,850 mm × 1,750 mm