

ALY Series Auto Eyedrop Filling Monobloc



The machine is specially used to production eye drops, it is combined with filling, plug inserting and cap screwing in one unit, and also meet to clean A class.

Feature

1. With novel design philosophy, its manufacture, safety performance is carried out according to European standards and conform to GMP requirement as well.
2. It is furnished with highly efficient filters of international famous brands to effectively ensure sterility and cleanness of class-A area. Air blower, filter and other equipment adopt sinking-type design structure to realize easy, reliable overhaul and replacement.
3. Materials adding is completely isolated from operating area. Those areas requiring artificial interference are furnished with glove boxes to prevent class-A area from being destroyed.
4. Through machine-gas -electricity combination, full-automatic operation can be realized including bottles entering, filling, adding of inner corks and outer caps, caps tightening and sorting of defective.
5. Filling adopts high-precision ceramic plunger pumps or peristaltic pump structure. High-precision filling volume, non-leakage and high efficiency are ensured through servo drive quantification.
6. Bottle mouths are added with inner corks. Outer caps adopt structure of mechanical hands to ensure accurate positioning fast and efficient adding of caps.
7. The inside of caps tightening device adopts German torsion clutch or servo power twister to effectively ensure bottle caps are undamaged under the premise that they are tightened.
8. Filling is not conducted when bottles are not in place. Adding of outer caps is not conducted when bottles are not in place. Adding of outer caps is not conducted when inner corks are not in place. Defective products are automatically sorted out via sensor testing and conveyed into defective area for inspection, thus isolating defective products.
9. Rotary operating discs can be exchanged according to bottles of different sizes and shapes to meet users' demands.

10. Main actuating mechanisms of this machine all adopt servo motors in effective combination with different forms of cylinders and unique mechanical structure. It is a new generation of special filling equipment initially developed in China, with high degree of automation, high finished product ratio, wide adaptability, good stability and high output etc.

Technical parameters

Model	ALY-100	ALY-200
Filling Volume	1-10ml	
Capacity	Max. 100bottle/min	Max. 200bottle/min
Filling Accuracy	$\pm 0.1\%$	
Air Pressure	0.4-0.6	
Air Consumption	0.1-0.5	
Power	5KW	7KW