



XHL-JFYG Automatic Essential Balm and Medicated Oil Filling Production line



The series of products are suitable for filling of essential balm, medicated oil and other small bottle mouth products. The whole production process conforms to the new version GMP requirements. As the packaging materials are all irregular-shaped bottles, more robot functional devices or small machines are incorporated. It has various patented technologies with independent intellectual property rights. It has reached the advanced level and can substitute similar imported products.

Features

- Three-in-one structure of bottle unscrambling, filling and cap turning (can also be made separately), taking small floor space with stable and reliable operation.
- Effective methods are available to complete the functions of bottle unscrambling, bottle moving and positioning for various irregular-shaped bottles and flat bottles, meeting the needs for automatic production.
- The 316L stainless steel plunger pump filling principle is adopted. The filling volume can be adjusted integrally or separately. It can adopt servo motor driving. The filling volume is adjusted on the man-machine interface.
- Filling is carried out when there is any bottle, and no filling is carried out if there is no bottle.
- Unique function of sucking back filling liquid for small bottle mouth products, bubble recovery, no leakage.
- The whole line adopts the PLC control system with variable frequency speed control and high degree of automation.
- The mechanical hand cap grabbing and cap placing is stable and reliable. Provided with pre-turning function.
- The cap turning mechanism can be driven by servo motor with adjustable torque.
- The whole line is designed according to GMP requirements.

Technical Parameters:

Product model:	JFYG2/1
Filling range:	1-10ml
Filling accuracy:	$\leq\pm 0.5\%$
Capping mode:	Manipulator cap placing
Bottle moving mode:	Round disc positioning type
Power:	$\leq 1.2\text{kw}$
Weight:	800kg
Stable production capacity:	40 bottles /minute
Applicable bottle type:	Flat, round, square
Number of cap pressing heads:	1 head
Capping pass rate:	$\geq 99\%$
Power supply:	220/380v 50Hz
Air pressure:	0.4-0.6MPa
Outline dimension:	see the schematic