

SED-JY260 High Precision Automatic Capsule Filling Machine



The Automatic Hard Capsule Liquid Filling Machine is a high-efficiency, precision automatic liquid filling machine designed for hard capsules, catering to the pharmaceutical, healthcare, and nutraceutical industries. Utilizing a peristaltic pump for liquid dispensing ensures accurate filling and integrates fiber optic inspection with automatic rejection. It is suitable for various liquids, including solutions, suspensions, and micro emulsions. Compliant with GMP standards, it features 304 and 316L stainless steel in critical parts, ensuring cleanliness and safety.

Features

- High-Precision Filling: Peristaltic pump ensures dosing accuracy with $\leq \pm 3\%$ variation.
- Intelligent Inspection & Rejection: Fiber optic sensors detect defects and automatically reject faulty capsules.
- Premium Materials: 304/316L stainless steel in product contact areas for corrosion resistance and easy cleaning.
- Reliable Performance: Japanese linear bearings and optical shafts ensure long-term stability.
- User-Friendly Operation: Variable speed control, intuitive HMI, and flexible settings for different capsule sizes.
- Low Noise & Clean Operation: Noise level $\leq 75\text{dBA}$, built-in dust collector for a better working environment.

Technical Specifications

Model	SED-JY260
Weight	600KG
Dimensions	1020×860×1970mm
Motor Power	5.75kw
Power Supply	Three-phase four-wire AC 380V; 50Hz
Capacity	15600pcs/hour
Fillable Capsule Sizes	00#~5# Safety capsule A~E
Capsule Sowing Accuracy	≥99.5%
Working Noise	≤75dBA
Filling Volume Difference	Liquid above 300mg≤±3%
Compressed Air	0.06m ³ /min 0.3Mpa
Water Source Requirements	The water ring vacuum pump is used for recycling with the water tank (It can also be connected to an external water source)
Vacuum	-0.02~-0.06 MPa
Water Source	250L/h
Inlet Pipe Inner Diameter	20mm
Drain Pipe Inner Diameter	27mm
Working Temperature	21℃±3℃
Relative Humidity	40~55%
Exhaust Volume	300m ³ /h
Control System	Frequency conversion regulation, PLC control
Material	The parts in direct contact with the capsule and liquid are made of 304 and 316L high-quality stainless steel