

SED-300YJ-I Fully Automatic Health Products Capsule Liquid Filling Machines



It's a production line equipment that integrates hard capsules liquid filling and sealing. This equipment can complete the filling of hard capsules (solution, suspension, microemulsion or hot solution) and make the sealing of the capsule body and cap joint. The contents are sealed in the process of packaging, transportation and use, which improves the stability and safety of the product.

It can provide new modes of administration for the domestic and foreign pharmaceutical and health care industry. It solves the drug delivery problems of many drugs, and fill the blank of hard capsule filling liquid and sealing technology, it is also the gospel of many pharmaceutical companies and health care products factories for the development of some preparation products, such as highly active drugs, poorly soluble drugs, etc.

Feature of Capsule Filling Machine

1. The equipment adopts man-machine interface control system, which will automatically alarm when lacks of capsules and material.
2. The capsule feeding machine has a vacuum positioning and separating mechanism, so that the qualified sowing rate of the capsule is over 99%. The fiber is automatically detected.
3. High-precision ceramic pump and servo motor dosing system are adopted to control the difference of the loading amount to about $\pm 2\%$, and the dosage is accurate.
4. The sealing liquid tank is designed as a sealing structure, and is equipped with a heating and heat preservation system to ensure the viscosity liquid and effectively extend the liquid period. It adopts hanging type and free rotation structure, which effectively improves the disassembly and cleaning time.

Detailed Parameters

Model	SED-300YJ-I	SED-450YJ-I	SED-600YJ-I
Machine weight	850kg		
Overall dimension	1090×870×2100 mm		
Motor power	3.1kw + 2.2kw (dust collector)		
Power supply	3 phase, AC 380V, 50Hz		
Max. Output	18,000 cap/h	27,000 cap/h	36,000 cap/h
Segment hole	4 hole	6 hole	8 hole
Capsule size	00#~2#		
Capsule using rate	≥ 99.5%		
Noise index	≤ 75dBA		
Dosage difference	≤ ±3% (test with peanut oil 400mg filling)		
Vacuum degree	-0.02~-0.06MPa		
Working temperature	21℃ ± 3℃		
Working relative humidity	40~55%		
Product form	Oil based liquid, solution, and suspension		
Control system	Stepless frequency conversion control, PLC control with touch-screen		
Material	Spare part contact with medicine adopt superior S.S 304 & GMP compliable material		
Criterion	Comply to GMP completely		