

ZLAB Capsule Filling Machine



Liquid Capsule Filling Machine and sealing machine is specially designed to develop the potential of liquid medicine, insoluble medicine or health care products with poor taste or smell or oxidative discoloration. This is a GMP-compliant fully automatic machine that can fill and seal up to 12,000 capsules per hour, which contain oily liquids, solutions, mixed suspensions or pastes. Compared with traditional hard capsules, liquid-filled capsules have the characteristics of wide adaptability, high transparency, heat resistance, moisture resistance, good sealing performance, and good toughness.

Laboratory-scale automated Liquid Capsule Filling Machine and sealing machine is combined in one device with a nominal throughput of 1200-12000 filling and sealing capsules per hour. Realize tamper-proof, semi-solid or liquid filled capsule dosage form. The improved design of the filling and sealing process ensures better control and cleanliness.

Liquid Capsule Filling Machine Principle and Composition

Operation principle

The Dosator type encapsulation machine automatically orients capsules and sequentially performs the following operations with capsules: feeding, opening, prepacking, rejecting unopened capsules, closing and discharging.

Machine Composition

The machine consists of the main rotor, the feeding system for empty capsules, the system for feeding and dispensing granulate, the control system.

Materials used

The machine body surface: stainless steel 304.

The parts in contact with the filled material (hopper, scrapers, tanker, tanker cover, tube, piston): 304 or 316L, conform with the contract request and FDA request.

Intended use

This machine is intended for filling hard-shell gelatin capsules with Powder, pellets and micro pellets, liquid, soft-gel capsules, It can realize maximum 4 kinds of drugs mix filling, The encapsulation machine complies with the GMP requirements.

Technical parameters:

Maximum output, capsules per hour	1200-12000 cap./h
Maximum rotation speed	111
Size of Capsules	000#-5#
Pharmaceutical formulations	Powders, pellets, pills, micro-tablets, liquid, soft-gel capsules
Power	7
Voltage	380
Compressed air consumption, L/min.	50
Noise level	70
Weight, kg	800
Overall dimensions, mm	940*710*1650