

SED-3800J Stainless Steel High Production Automatic Empty Powder Capsule Filling Machine



The machine is an intermittent motion and the hole-plate type filling fully automatic capsule filling equipment. It adopt optimization design combined the characteristics of Chinese medicine and the requirement of GMP, it has the characteristics of compact mechanism, small volume, lower noise, precision filling dosage, multi-function, running stably etc.

It can finish the following motion at same time: capsule feeding, capsule separating, powder filling, capsule rejecting, capsule locking, finished capsule discharge and module cleaning etc.

Feature of Capsule filling machine

1. The filling seat and the metering disc are integrated, so that the metering disc and the filling rod will not be offset, avoiding the friction between the filling rod and the metering disc, improving the filling accuracy and prolonging the service life;
2. The automatic capsule filling machine has beautiful appearance, fine craftsmanship, simple operation and convenient use;
3. The vacuuming, vacuuming habits and exhaust pipe are designed inside the body to avoid the phenomenon of hardening, breaking and air leakage of the trachea, which is convenient for the work surface to be clear and meets the requirements of GMP;
4. The fully automatic capsule filling function can automatically remove defective capsules, recover the drugs in defective capsules, reuse them, and improve economic benefits;
5. The automatic capsule filling machine is simple and convenient to disassemble and clean, and can exchange various types of molds, and various molds can be exchanged on the same machine to meet the requirements of different production capacities;

6. The filling rod nut is made of stainless steel instead of the original plastic nut to avoid cracking; the working table has fewer screws and nuts, which is easy to clean and makes the whole machine more beautiful.

Product Parameters

Model and Specification	SED-3200J	SED-3800J
Machine weight	2400kg	
Overall dimension	1390 × 1300 × (2080+210) mm	
Motor power	6.37kw + 3kw (Dust Collector)	
Power supply	3 phase, AC 380V, 50Hz	
Max. Output	192000 capsules/h	228000 capsules/h
Capsule size	00#~5# and safety capsule A~E	
Capsule using rate	≥ 99.5%	
Noise index	≤ 78dBA	
Dosage difference	≤ ±3% (under more than 300mg dosing and 40~80 mesh after granulation)	
compressed air	air consumption 0.09m ³ /min pressure 0.3MPa	
(for cleaning station)		
Water supply	Water cycle pump compound water tank, or meet water source	
Vacuum degree	-0.02~-0.06 MPa	
Water volume	250L/hour	
Enter pipe inner-diameter	20mm	
Waterspout inner-diameter	40mm	
Working temperature	21°C ± 3°C	
Working relative humidity	40~55%	
Exhaust capacity	300m ³ /h	
Special function	Granule and powder mixed filing; Powder collector	
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	