

NJP-400 Automatic Hard Gelatin Capsule Filling Machine



NJP-400 capsule filling machine automatic, as a newly designed product, can replace the semi-automatic capsule filling machine. The machine has attracted many clients, since it can be applicable in many areas, such as hospitals, pharmaceutical research institutes, laboratories, colleges and universities, small pharmaceutical factories and health care plants.

NJP-400 automatic capsules filling machine is an intermittent motion and hole plate type full automatic capsule filler. It adopts optimization design for meeting 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, stably running etc. It can finish the following motion at the same time: capsule feeding, capsule separating, powder filling, capsule rejecting, capsule locking, finished capsule discharge and die hole cleaning etc. It is the most ideal hard capsule filling equipment for the pharmaceutical and health food industry.

Features

1. The machine acquires such advantages as small volume, low energy consumption, convenient operation and cleaning.
2. Equipment standardization and component interchangeability enable molds to be changed quickly and accurately.
3. The design of bottom installation of the cam can increase the pressure atomizing oil pump, keep the cam groove lubricated, reduce wear and extend the service life of parts.
4. High-accuracy indexer is applied for slight vibration and operation noise lower than 80db. In addition, vacuum locating structure is used to achieve over 99.9% of the capsule probability.
5. The lower plane of dosing tray is the benchmark for three-dimensional adjustment, uniform gap, narrow filling quantity distribution and convenient cleaning.
6. HMI is applied for perfect functions. Besides, when material or capsules are lack or material channel is faulty, the machine can alarm and stop automatically. it can also count for every capsules and display the value of cumulative output.

Technical Parameter

Model	NJP-400
Machine weight	800kg
Overall dimension	810 ×945× (1930+150) mm
Motor power	1.87kw + 2.2kw (Dust Collector)
Power supply	3 phase, 380V 50Hz / 1phase, 220V 50Hz(can be customized)
Max. Output	24000capsules/h
Capsule size	00#~5# and safety capsule A~E
Capsule using rate	≥ 99.5%
Noise index	≤ 75dBA
Dosage difference	≤ ±3% (under more than 300mg dosing and 40~80 mesh after granulation)
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	27mm
Working temperature	21°C ± 3°C
Working relative humidity	40~55%
Exhaust capacity	210m ³ /h
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