

## *NJP-2500C Automatic Hard Capsule Filling Machine*



The machine is an intermittent motion and 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.

This machine is designed for meet the volume-produce on the basis of model NJP-1200 automatic capsule filling machine. it increase the lifting mechanism that easy to clean. It saves the cost and manpower for the enterprise that need volume-produce.

### **Features**

1. It has been improved the inner design turret, and imports beeline bearings for each machine from Japan directly, so that it can be sure to get a longer usage-life and precision of machine.
2. The working station cam runs under the good lubricating condition, and maintains the inner lubrication of cam slot to a full extent, increasing the pressure pulverization oil pump, thus extends the operation life of the spare parts.
3. It is controlled by the computer, has a step less timing with the frequency-conversion, the numeral showing makes an easy operation and clear appearance.
4. The multi-bore dosing brings a precision dosage (it is controlled around  $\pm 3.5\%$ ); The capsule qualified rate is higher than 99%.It can be filled with the Chinese traditional medicine and the Western medicine.
5. It has a protector equipment for the operator and the machine. It has automatic pause equipment when it is lack of the material. It has a steady and safe working, therefore it is the best choice for the hard capsule factories.
6. Additional function of blowing and suction of mould, which ensures the clean and no dust in the holes.

## Technical parameters

Machine weight	1450kg	
Overall dimension	1100+ × 1200 × (1950+150) mm	
Motor power	3.37kw + 3kw (Dust Collector)	
Power supply	3 phase, AC 380V, 50Hz	
Max. Output	120000 capsules/h	150000 capsules/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)	
compressed air	air consumption 0.06m <sup>3</sup> /min pressure 0.3Mpa	
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	300m <sup>3</sup> /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	