

SED-820J-I Electric Capsule Filling Machine For Pharmaceutical



The working principle of the automatic capsule filling machine is divided into two parts, which are the movement of the capsule and the filling of the medicine:

1. Movement of the capsule

During the filling process of the intermittent capsule filling machine, the movement of the capsule depends on the indexing box for intermittent and discontinuous rotation. The filling volume of the capsule is mainly determined by the volume of the metering disc hole. The hollow capsule is in the capsule hopper, the main board moves up and down, the capsule enters the capsule guide groove by its own gravity, and then the horizontal fork and the vertical plug make the capsule cap upward and the capsule body downward into the upper and lower modules. The capsule body and capsule cap are separated under the action of the device, and then the module enters the powder filling station.

2. Drug filling

The sensor in the powder holding ring controls the screw feeding rod above it, and the medicine is continuously added to make the height of the powder in the powder holding ring constant. position, push the drug column into the capsule body. After that, it enters into the capsule rejection, capsule locking, finished capsule discharge, module cleaning station in turn, and then enters a new round of station cycle, and the cycle begins again and again.

Characteristic of Capsule Filling Machine

1. Touch-Screen, PLC program control panel with LCD.
2. The capsule qualified over 99%.
3. Removable powder hopper allows easy cleaning and auger adjustment allows change fills weight easily.
4. Speed and length of closed capsule are easy to adjust.
5. Electrical Appliance control system is in accordance with CE and international standards.

6. At the quick and accurate change part,easily and removable rotary table and ring carrier assembly is setted.
7. Fully enclosed rotary table and dosage station for integration of the whole capsule filling plants.
8. Large cam mechanism keeps the rotating table of mould together with the whole equipment running in balance, and completely guarantees the machine operating with highest precision and accuracy.

Technical Parameters

Model	SED-820J-I
Weight	800kg
Size	810 ×945× (1930+150) mm
Power	4.12kw
Capacity	49,200 pcs/h
Capsule Size	00#~5# and safety capsule A~E
Noise	≤75dBA