

## *Granule Sachet Filling Machine*



This machine runs stable with compact structure, it is leading the advanced level of the same domestic packing machine, can be applicable for pharmaceutical, food, cosmetic industries. It can pack granule, powder, liquid and semi-sticky liquid four sides sachets.

### **Performance**

- 1) Adjust the sachet length by servo motor, simple operation.
- 2) The whole machine controlled by human-machine interface, is easy operation and run stable.
- 3) Photoelectric detect mark, servo motor track the mark to make sure integrity and accuracy of pattern position.
- 4) Print batch number, vertical and horizontal break line and easy tear automatically. Convenient to install and operate.
- 5) Adjust the sachet length optionally. (The speed of vertical seal roller can be adjusted optionally.)

### **Technical Specifications**

1. Packing material : Aluminum-plastic, paper- plastic and other composite material which can be heat sealing.

Specifications : Width : Max 928mm

Thickness : 0.07~0.1mm

Film outer diameter :  $\leq \phi 300\text{mm}$

Film inner diameter :  $\phi 70 \sim \phi 76\text{mm}$

2. Sealing width :  $\leq 464\text{mm}$

3. Sachet size : Length 55~180 mm ; Width 40 ~150 mm

4. Dose range : Granule : 1~20g ; Liquid : 5~50ml

5. Horizontal cutting frequency :  $\leq 50$ times/min(depend on sachet quantity and length)
6. Packing capacity : Max 400sachets/min(depend on sachet quantity and length)
7. Main servo motor power : 1kW Rotational Speed : 3000rpm/min.
8. Vertical sealing servo motor power : 0.75kW Rotational Speed : 3000rpm/min.
9. Micro motor total power :  $0.025\text{kW} \times 3 = 0.075\text{kW}$ .
10. Sealing roller heating total power :  $1.5\text{kW} \times 4 = 6\text{kW}$  ( $\phi 22 \times 540 \times 4$  pcs)
11. Total power:8kW
12. Weight : About 1200kg
13. Supply : 380V 、 50Hz
14. Size (L×W×H) : 1600mm×1700mm×2050 mm

### **Working theory**

Firstly, the wrapper through the spreading roller unit come to dividing roller unit which the wrapper is cut two parts, then through the dividing roller board and roller into sealing area, enter into lengthways sealing, across sealing, feeding, typing, lengthways cutting, cross-easy cut line ,transverse cutting and finally product from conveyor output.