

## *Food Sachet Packaging Machine*



This machine runs stably with a compact structure, leading to an advanced level compared to domestic packing machines. It is applicable for pharmaceutical, food, and cosmetic industries. It can pack granules, powder, liquid, and semi-sticky liquid into four-sided sachets.

### **Performance**

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

### **Technical Specifications**

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

- Specifications : Width : Max 928mm
- Thickness : 0.07~0.1mm
- Film outer diameter :  $\leq \phi 300$ mm
- Film inner diameter :  $\phi 70 \sim \phi 76$ mm

2. Sealing width :  $\leq 464$ 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.