

## *LC-500A Fully Automatic Thermal Shrink Wrapping Machine*



This machine is widely used in pharmaceutical, food, cosmetics, cultural products, electronic products, household goods, toys, etc., in single row or multi-row bottles or boxes.

### **Machine features:**

Full-sealed heat shrink packaging machine, is a new packaging machine developed by our company. The whole machine is made of high quality steel or stainless steel. The structure is compact and reasonable, durable and effective. The automatic packaging machine with independent intellectual property rights is widely used in the packaging of beverage, food, pharmaceutical and chemical products. No need of the base, no carton, no matter square, circular, flat, can be packaged perfectly, the visual effect is very good, the packaging cost is low. This machine adopts the novel optimization design, adopts PLC automatic control, the man-machine interface tracking, the optical solder positioning is accurate. The subbag enters the state, eliminate the bottle, the bottle, the regulation is flexible, the safety is beautiful. Adjustable hot air circulation structure, suitable for various kinds of heat shrinkable film (including color printing), quick and easy replacement of film, fault warning, complete lock, reliable operation. Therefore, the quality is constant, stable and reliable, long time continuous production provides a solid guarantee.

The bottle or box that needs to be packed, and the channel formed by the bottle mechanism along the split mechanism reaches the baffle plate. Given by photoelectric detection head upper part of the signal, lose bottle (box) machine stopping, baffle back make transportation extrusion production of stress release, clapboard, make bottles (box) and wait for the bottle (box) space. Push institutions work forward to make packaging (box) along the guide cylinders (box), together with the thin film to sealing and cutting position, at the same time will be the last time in front of the complete set of membrane inside the bottle into the heat shrinkable packaging equipment of conveyor belt, the film feeding agencies also work at the same time. Then the heat seal cuts the knife downward and completes the sealing function. The packaging bottle pushed into the high temperature conveyor is used to complete the thermal shrinkage while moving forward on the

inside of the heat-shrinkable device. Finally, after cooling and shrinking, the bottle reaches the finished loading device. The process of packaging automation has been implemented continuously.

### Technical Parameters:

|                                |  |
|--------------------------------|--|
| Sealing and cutting form       | Sleeve type  |
| The power supply               | 380v/50Hz-60Hz   |
| The highest speed              | 25 bags/min  |
| The biggest packaging          | 320(L)×150(W)×200(H)mm   |
| Packaging materials            | Pe heat shrink film  |
| The largest film               | 400mm(W)×280mm(Outer diameter)   |
| The total power                | 9.5kw  |
| Platform height                | 780-850mm  |
| Air pressure                   | ≤0.5MPa  |
| The weight                     | 300kg  |
| PLC                            | SIEMENS S7   |
| The sealing and cutting system | Constant temperature heating system, it is easier to change the shear force, seal not smoking and no smell |
| Interface                      | Eview color touch screen   |
| Main material                  | Stainless steel  |
| The power supply               | 380v/50Hz-60Hz   |
| Conveyor speed                 | Adjustable, 40m/min  |
| The furnace body size          | 1200mm (L) furnace mouth 450mm (W) 220mm (H)   |
| Conveyor belt                  | Teflon zone  |
| The total power                | 7kw  |
| Platform height                | 850-900mm  |
| The weight                     | 160kg  |
| Main material                  | Stainless steel  |