



UN-500A Automatic Cuff Type Heat Shrink Packaging Machine



The cuff type heat shrink packaging machine is a new type of packaging machine independently developed and researched by our company. The whole machine is made of high-quality steel or stainless steel precision manufacturing, with a compact and reasonable structure, durability, and significant energy-saving effect. The new type of shrink film automatic packaging machine with independent intellectual property rights is widely used for combination packaging of beverages, food, pharmaceutical and chemical products, etc. No need for pallets or cardboard boxes, whether square, circular, or flat, it can be packaged perfectly with excellent visual effects and low packaging costs. This machine adopts a novel optimized design, with PLC automatic control, human-machine interface tracking, and accurate fiber positioning. The secondary package enters the state, eliminating bottle shortage, bottle pouring, flexible adjustment, safe and beautiful. Adjustable hot air circulation structure, suitable for various existing heat shrink films (including color printing), with fast and easy film replacement, fault warning, complete locking, and reliable operation. This provides a solid guarantee for constant quality, stable and reliable, and long-term continuous production.

The bottles or boxes that need to be packaged are transported through the bottle conveying mechanism along the channel formed by the bottle sorting mechanism to reach the bottle blocking plate. The signal is given by the upper photoelectric detection head, and the bottle (box) conveyor stops. The baffle retreats to release the stress of the conveying and extrusion production, and the partition rises to separate the packaging bottle (box) from the waiting bottle (box). The pushing mechanism works forward to make the packaging bottles (boxes) reach the sealing and cutting position along with the film along the bottle (box) guide mechanism. At the same time, the packaging bottles that were previously covered with film are pushed onto the conveyor belt inside the heat shrink equipment. At this time, the film feeding mechanism also works simultaneously.

Then the heat sealing cutter moves downwards to complete the sealing and cutting function. The packaging bottles pushed onto the high-temperature conveyor belt complete the thermal shrinkage function while moving forward in the thermal shrinkage equipment, and finally reach the finished product carrying device after being cooled and shrunk by cold air. The above process is continuously repeated to achieve packaging automation.

Technical Parameters

Sealing type	sleeve sealing
Power supply	380V / 50-60Hz/3phase
Max product size	500 (L) x 380 (W) x 300(H) mm
Max Packing capacity	25packs per minutet
Film type	polyethylene (PE) film
Max film size	580mm (width) x280mm (outerdiameter)
Power consumption	8KW
Tunnel oven size	entrance 2500 (L) x 450 (W) x320 (H) mm
Tunnel conveyor speed	variable , 40m / min
Tunnel conveyor	teflon mesh belt converoy
working height	850- 900mm
Airpressure	≤0.5MPa (5bar)
PLC	SIEMENS S7
Sealing system	Constant temperature heating system, easier to replace cutting force, no smoke or odor during sealing and cutting
	permanently heated seal bar coated with Teflon
Operating interface	Siemens Touch Screen Display operation guidance and erroe diagnostic
Machine materia	stainless steell
Weight	500kg