

Automatic OPP Hot Melt Labeling Machine



Product description:

- Using a new type of environmentally friendly materials OPP films, Minimize production costs, Save more than 30%.
- Because use non-shrink label, After labeling the print pattern on the label is not deformed, To ensure that the product packaging aesthetics.
- Label transmission system using the German high-speed servo motors and controllers, Ensuring high-speed delivery label and cut the label accuracy, stability.
- The main motor adopts imported super power motor, Ensure the machine running stability and maneuverability.
- German label color detection electric eye, Improve the accuracy of the label.
- Perfect protection system, It can be achieved, such as the lack of label, missing labels, bottles card bottle, temperature detection, lack of air pressure shutdown alarm.
- Siemens and other world brands imported electrical components, Ensure lasting stability and reliability of the machine.
- Containing automatic calibration and label cutting system.
- Equipped with automatic tension control system.
- With torque limiter, The machine induction of abnormal reducing the might occur danger that to the operator.
- Optical sensing device can detected output of labels And automatically adjust the speed To maintain equipment operation coordination.
- Simple centralized lubrication system can keep the machine surface clean and lubricate.

Working theory:

1. The OPP hot melt adhesive labeling machine are rotary and linear, Continuous operation labeling. Equipment capable of automatically adjusting the bottles into and out. The bottles transmitted by the conveyor belt, and separated at certain distance by the bottle screw according to the star wheel. Then input star wheel send the bottles to turntable, by the bottle pressure and bottles holder make the bottles fixing. Bottles start at a certain speed of rotation.
2. Product rotation process mechanical pre-positioning, When the bottles reaches the electric eye detection position, according to the positioning mechanism trajectory Labeling, Host computer control tag label transmission system to send label, Upon completion of sending a label action, High-speed cutter to cut a label. Due to the small inertia servo motor speed, Ensure high-speed delivery target label and cut accuracy and stability.
3. The cut label send to Gluing system, system brushing glue at both end of the label. This approach makes the hot melt adhesive glue lowest consumption.
4. When pre-gummed labels to the labeling position, Label can accurately and effectively stick to the bottle. When the transfer process in the label's, the bottle is rotated state. So, Label can be smooth, tightly affixed to the bottles, and In sizing the end of the tape can form a good lap seal label, Completed a labeling process.

Production capacity:

- Equipment name: Automatic OPP Hot Melt Labeling Machine
- Label material: OPP, pearl film, paper and composite materials package label etc.
- Production capacity: 1000 bottles/hour - 35000 bottles/hour
- Suitable for: circular, oval, square PET bottle, glass bottle, easy open cans.