

## SL-6A Super Versatile Labeling Machine



This machine is designed for professional automated assembly line production, with a safety shield that meets GMP requirements.

### Features

#### ◆Header

1. Reinforced design, increased torque design, special motor for bottom paper recycling.
2. Multi-dimensional space adjustment: The header can realize 8-dimensional space adjustment, additional position display, and tilt angle adjustment.
3. Horizontal translation of the header: The fine adjustment of the labeling position can be achieved by horizontal translation of the header during the work of the header.
4. Adopting double pressure roller design, fully improve the tension of the label, which is conducive to the labeling of ultra-thin labels.
5. Dedicated bottom paper recovery system, driven by a large torque stepping motor, with an enlarged buffer design, reducing the frequency of starting and stopping the motor, and increasing the service life.
6. All the structures are processed by numerical control, and the parts are matched with high precision to ensure the accuracy of the equipment.
7. The new label clutch makes the tension more stable and runs more smoothly. The three-point head up and down adjustment device makes the adjustment smoother and the target plate more stable.

#### ◆Pressing mechanism

1. Enlarge the gear design to reduce the force on the tooth surface and increase the service life.
2. The main motor is driven by a double-row chain, which increases the transmission torque and reduces the deformation of the chain.
3. The pressure belt is supported by a large span, double-screw adjustment, and the screw is driven by a chain to achieve synchronization.

4. Large-range adjustment, the height of the press belt can be adjusted from 0 to 400mm, which is conducive to product type replacement.

#### ◆Orthopedics

1. Mechanical transmission is adopted to realize the complete synchronization of the plastic belt with its conveying line and pressing belt. The main conveyor line, pressing belt, and shaping belt are driven by gears, driven by a high-power motor, and run completely synchronously to realize stepless speed regulation.

2. Chains made of polymer materials are used to facilitate the accuracy of plastic surgery.

#### ◆Power roller mechanism

The application of this group of institutions increases the functions that can be realized by the equipment, which can be used to label flat bottles, square bottles, round bottles, special-shaped bottles and square bottles on four or three sides, which greatly increases the scope of use of the equipment and provides solutions for economic users. The big problem of one machine with multiple uses.

#### ◆Positioning mechanism

1. The patented design (patent number: 200620058757.7) is a secondary positioning mechanism applied to the linear labeling machine. It is also the highlight of the double-sided labeling machine, which completely solves the labeling problem of special-shaped bottles. When pasting special-shaped bottles, you can first make different positioning blocks according to the cross-sectional characteristics of the pasted bottles, and install the positioning blocks on the eccentric block of the positioning mechanism. When the pasted bottles pass by, the positioning molds are quickly closed, and then they The same linear speed will be sent out of the bottle, and the position of the affixed object after positioning is accurately positioned between the pressing belt and the conveying line.

#### ◆Big round bottle sticker mechanism

1. The redesigned round bottle labeling mechanism realizes the bottom positioning function of the bottle, and the maximum labeling speed can reach 120 pieces/min.

2. It can be adjusted and replaced quickly. Convenient switching between flat bottles and round bottles reduces the switching time and improves production efficiency.

### Technical Parameter

- Labeling speed: up to 250 pieces/min
- Labeling accuracy:  $\pm 0.5 \sim \pm 1$  mm
- Maximum label width: 230mm
- The size of the object being affixed: height  $\leq 400$  mm, thickness  $\leq 160$  mm
- Applicable paper roll inner diameter:  $\phi 76.2$  mm
- Applicable paper roll outer diameter: maximum  $\phi 400$  mm
- Machine size: 4048x1980x1500mm
- Power consumption: 380V 4000W
- Air source used: 6Kg 30L/min technique parameter
- Whole machine weight: 1000Kg