

Highly Precise and Multi-Functional Labeling Machine SL-6A



Features:

◆ Labeling station:

1. 8 dimensional adjustment: for the labeling station with position display device for precise positioning.
2. Horizontal movement: for slight adjustment of labeling position.
3. Rapid adjustment: without requiring any tool.
4. Double press-roller design: to increase the label tension, good for peeling extra-thin labels and avoids label breaking.
5. Each component: is CNC processed for accurate, stable and quiet operation.
6. New labeling clutch: to stabilize the label tension for smooth operation, 3-point label adjustment device stabilizes the label panel.
7. Special frame: for the label peeling panel, easy to adjust.

◆ Top pressing belt unit:

1. Double chains: driven by the main motor, increasing the force moment, reducing the chain deformation.
2. Separated pressing spacers, good for radiating. Different pressure setting available: less pressure on the infeed position and more pressure on the positioning position.
3. Big spanned support for the pressing belt, with synchronized adjustment via double connected bolts.
4. Buffering bars for the belt are applied for less wearing, to increase the mechanical functions.
5. Wide range of height adjustment: 0-400 mm, easy change-over of containers.

◆ Aligning unit:

1. Infinitely variable speed adjustment, synchronized with conveyors and pressing belt, driven by a mechanical gear with a high power motor.
2. Enlarged rotary umbrella shaped driving gears are applied to increase operation safety.

3. Dimensional spacial adjustment expands the applications.
4. Chains of high polymer material is good for the aligning precision.

◆ Conveyors:

1. Precise, synchronized with the pressing belt.
2. Broadened, driven by high power motor, with expanded applications. Conveyor inertia is increased for labeling accuracy.

◆ Second orienting unit:

Patented design, the shinning point of the machine, providing nice labeling for special-shaped containers. While labeling special-shaped containers, based on the profile features, a position block can be fabricated and set on the eccentric block of the positioning unit. When the container passes, the position block holds it rapidly at the required angle for labeling and sends it at the same speed of the conveyors.

◆ Labeling device for big round bottle

1. Possible for bottom-positioning of bottles. Max. output for round bottle labeling: 120 BPM.
2. Fast adjustment and change-over, easy change-over among containers of different shapes, reducing change-over time and increasing efficiency.

Parameters:

- Labeling speed: Max. 250 BPM
- Label accuracy: ± 1 mm
- Max. label width: 200mm
- Container dimension: height \leq 400mm thickness \leq 100mm
- Inner label diameter: $\phi 76.2$ mm
- Outer label diameter: Max. $\phi 350$ mm
- Machine dimension (LxWxH) : 3048(L)X1850(H)X1800(D)mm
- Power consumption: 380V 50Hz 3500W
- Gas consumption: 6Kg 30L/min