

## Highly Precise and Multi-Functional Labeling Machine SL-6B



### Features:

- Highly precise, ultimate labeling solution.
- Can be applied to one side or two sides of flat or circular faces of products.
- Labeling can be done accurately from predefined starting position as set by the user even for circular labeling.
- For flat square or irregular shaped products even 3 or 4 sides enwrapping labeling can be done.
- This is indeed a truly versatile & final labeling solution.

#### ◆ Label applicator:

1. Precise positioning as adjustments are possible on 8 orientation axes with index indicator.
2. Fast and easy adjustment virtually with no tools.
3. Label goes through two pressing rollers before it is peeled & applied to the product. These rollers press and hold the label flat in desired position, this feature is specially helpful for very thin label.
4. All parts and devices are machined on our CNC and digitally controlled machines with high degree of accuracy in dimensions and profiles leading to flawless assembly of the total machine.
5. Our latest model of label clutch provides persistent & steady tensile force while labeling.
6. Easy to adjust Individual flap support.

#### ◆ Overhead belt

1. Dual chain main motor drive strengthens transmission moment with negligible chain deformation.

2. Separated structure with better heat dissipation. The pressing strength can be adjusted according to variable working situations.
3. Big span support is adjustable in synchronism due to dual screw chained with each other.
4. Built in elastic buffer leads to lower belt abrasion.
5. Big vertical adjustment scope 0~400mm, making it conveniently usable for different type of bottles.

◆ Product separator unit

1. Product separating unit, overhead belt and conveyor are driven thro' mechanical gear transmission system from a common drive leading to absolute synchronization amongst them with very fine speed adjustment ability.
2. Adopts strengthened spiral bevel gears transmission, increasing operational safety.
3. Two-dimensional adjustment capability widens the scope of usage.
4. Adopts elastic polymer chain to obtain best separating effect.

◆ Conveyor

1. Adopts high-precision conveyor chain, realizing conveyor and overhead belt running in absolute synchronization.
2. Wider belt, higher power motor, widening the scope of usage taking care of conveyor inertia to obtain more stable labeling effect.

◆ Positioning unit

Shallway's positioning technology is a patented technology, that's the truly highlight of this machine. It removes difficulty in labeling irregular bottles. While labeling irregular bottles, a clamping module according to bottle's cross section is mounted into fixing unit. When bottle passes by, the module will clamp it quickly, and convey it with the same linear speed of the conveyor. After clamping, the bottle's position will be precisely set between overhead belt and conveyor..

◆ Circle, position requested labeling

1. New positioning technique increases machine's labeling speed up to 120BPM.
2. Fast, easy replacement, convenient in change over from square to round bottles or vice a versa leading to Shorter replacement time and higher production efficiency.

**Parameters:**

- Labeling speed : Max.250bpm/minute
- Labeling accuracy:  $\pm 1$ mm
- Label max width: 200mm
- Product size: Height $\leq$ 400mm Thickness $\leq$ 100mm
- Label roller inner diameter:  $\phi 76.2$ mm
- Label roller outer diameter: Max. $\phi 350$ mm
- Machine size: 3048X1850X1800mm
- Power supply: 380V 50Hz 3500W
- Pneumatic system: 6Kg 30L/min