

SED-DTB Automatic Fixed Point Positioning Labeling Machine



SED-DTB Automatic Fixed Point Positioning Labeling Machine is designed for labeling of round bottles or other common cylindrical objects, which can label up to 80 labels per minute depending on products and label size. The photoelectric sensor can automatically detect the identification point on bottle, ensuring the machine provides accurate label placement at the designated position. It is widely used in Pharmaceutical, Food, Beverage, Cosmetic and other manufacturing industries.

Working Principle

- Fix the label roll on the label holder, and adjust the position of labeling station.
- Then adjust the distance between two rails to make sure the distance is suitable for the product to pass.
- Manually put bottles on conveyor or using an automatic bottle turntable, and bottles will be separated by the bottle separator to keep the bottle distance for guarantee the working stable.
- The bottle sensor detects the passing bottles and send a signal back to the control system. At the appropriate position, the system controls the label to be sent out and applied to the bottle evenly.
- Photoelectric sensor automatically detects the identification point on bottle and then places the label at the designated position.
- Rolling wheel rotates the bottle until the identification point is detected by photoelectric sensor, and after labeled, it will rotate again to make the label more firmly without bubbles, wrinkles or alignment problems.

Features

- Made with 304 stainless steel, allowing for easy maintenance and remains in perfect condition after long term operations.
- Equipped with touch screen and PLC, easy to set or adjust working parameters, and the language of control panel can be customized.
- Labeling station adjustment: According to different product sizes, user can adjust the position of labeling station with an adjusting handle, no need for any other tools.
- Photoelectric sensor: The sensor detects the identification point on bottle to ensure accurate label placement at the designated position.

Product Parameters

Model	SED-DTB
Application	Round Plastic Bottle
Bottle Size	Diameter ≤100mm Height: 40-180mm
Capacity	30-80 bottles/min
Label Requirement	Self-Adhesive Sticker Labels in Roll Form
Label Size	Width ≤ 110mm Length is less than the circumference of bottle.
Label Roll Size	Inner Diameter: Ø75mm Outer Diameter: Ø350mm (Max.)
Compressed Air	0.6Mpa
Power	0.15KW
Overall Dimension (L*W*H)	1760*950*1400mm