



Vertical Vial Labeler PLB-1150



Label dispenser adopts servo motor, and dispensing label implements closed-loop control. Label dispensing accuracy can be 0.2mm, and the max. Label dispensing speed is 60 meters/min.

Labeled bottles, standing up, are spaced by bottle spacing screw and enter vertical synchronous roller chain at certain interval to be oriented. When bottle reaches the labeling position, bottle sensor detects the bottle and sends a dispensing label signal to label dispenser. The label dispenser acts and bottle is turned at high speed at the same time, to make label stick to the bottle surface firmly. After the label sensor detects the end of label, it sends a stopping dispensing label signal to label dispenser. Then label dispenser stops acting and machine finishes the labeling action. Meanwhile, the base paper is rolled back synchronously, and labeled bottle is driven onto the collecting plate by conveyor.

- 1、 Label dispenser adopts servo motor, and dispensing label implements closed-loop control. Label dispensing accuracy can be 0.2mm, and the max. Label dispensing speed is 60 meters/min.
- 2、 Label dispenser adopts multidimensional and angle adjustment, which make the labeler applicable to different labeling requirements.
- 3、 Adopt special control roll system basing on MCU multi-point control unit, to make the control accuracy be higher, and be sure that it is easy for the labeler to deal with the more complex labeling and the labeler can receive the control signal from the upper steam machine under online condition. It is easy and convenient to operate the labeler with human-machine interface on the touch screen.
- 4、 With parameter storing function, labeler can store about 50 sets of parameter information, which can be transferred conveniently. This function can reduce time for machine commissioning while producing different kinds of products.

- 5、 Label management function: Automatically count the quantity of labels. Display the used labels' quantity and the remaining labels' quantity on operation interface.
- 6、 The photo sensibility of the label sensor is adjustable, which make the labeler applicable to labels with different transmissivity. No need to adjust the position of the label sensor when replace with labels of different length.
- 7、 In working, bottle sensor and label sensor aren't sensitive to the external light, ultrasonic and other interfering sources, which assure accurate detection, and accurate labeling and printing as well.
- 8、 Label lack detection on label roll. When label lacking is detected, the next label covers position in time to avoid omitting label effectively. Machine automatically stops after the label roll is used out.
- 9、 The failure displaying function is to help operator to eliminate failures quickly.
- 10、 Hot foil printer is used for printing production date, lot number and validity clearly. Installation and replacing of color ribbon are convenient. Machine automatically gives alarm and stops when color ribbon is used out.
- 11、 The whole machine adopts alnico and stainless steel 304, according with GMP requirements completely.
- 12、 Adopt vertical roller chain to make the labeled container orientated by excircle, to make the labeling accuracy higher.
- 13、 Vertical bottle in feeding and vertical bottle collection can ease the labor intensity of operator effectively and improve the labor efficiency greatly at the same time.
- 14、 High labeling speeds, applicable to mass production.

Technical parameters

Model	PLB-1150
Max. output	500 bpm
Container size	φ10mm-φ30 mm
Label dispensing accuracy	±0.2 mm
Power supply	AC 220V 50-60 Hz, Single or Three Phase
Power absorption	1 kW
Dimension(L x W x H) mm	1,500 x 1,400 x 1,650
Working height	870±30 mm
Weight	200 kg