

LD3000 Automatic Front and Back Labeler



Automatic Front and Back Labeler LD3000 is a machine that can attach labels on both sides of the product or container at the same time, affixing the stickers on the front and back side respectively, and reducing the process of repeated feeding or stopping the general single-sided labeling machine. LD3000 is suitable for bottles of various sizes and different materials, such as plastic bottles, glass bottles, PET bottles, metal bottles, etc. It can also be applied to containers with flat surfaces such as square bottles and paper boxes, covering a wide range of product types. With two high-performance label applicators, ensuring high productivity during continuous production work.

Features

1. Intelligent Binary Decode allows to synchronize the label applicator, conveyor and top-pressing unit after the adjustment, save time on product change.
2. High Adaptability: You can adjust the labeler to fit product size, various bottle and container packaging.
3. It can connect with your existing production line, in turn to blend in packaging production and manufacturing process.
4. User-friendly Interface: The operator can easily arrange and control labeling process.
5. Colored HMI Screen: It's simple to set and modify parameters, labeling position and labeling module.
6. Labeling preparation is flexible, fast and easy, and completing precise front & back labeling.
7. It's equipped with 2 high performance label applicators, allowing continuous production and ensure high productivity.
8. Automatic front and back Labeling machine is shipped with calibration function, providing better labeling results.
9. Both label applicators of LD3000 can be adjusted according to different product features and designs.

10. You can fine-tune labeling height and angle in the light of container size. Its biggest adjustable angle is 20 degrees.
11. You can choose to add a wraparound device. Thus, the labeler can attach 1/2 or full circle label onto round bottle.
12. You can choose bottle spacing unit to meet high production capacity needs.
13. Labeling result is refined with wrapping unit. (Square bottle needs special mechanism.)
14. Optional PLC control system and intuitive operation interface provide easy operate while converting production line. You don't need to adjust sensor setting, saving time.
15. Detect missing label function: maintain the quality of finished products.
16. Stepper motor control stable label dispensing
17. Japanese sensor precisely detects labeling position.
18. The conveyor belt meets cGMP standards, and its coefficient of friction (COF) is low, which can delivery product steadily.
19. The labeler made of SUS# 304 stainless steel and aluminum alloy, which is firm and durable
20. LD3000 can connect with packaging machine, filler, capper, and capsule counter to upgrade an automated production line.
21. Programmable Logic Controller(PLC) precisely take control of labeling works.
22. Hand wheel with number position indicator allows you to adjust to the best arrangement.
23. Dual label applicator adopts synchronization labeling mode, and single labeling mode is available too.
24. The machine frame of LD3000 is stainless steel base, helping labeling work remain stable and excellent.

Specification

- Automatic level: Automated machine
- Labeling Motor: Stepper Motor
- Labeling Speed: 20~40 pcs/min (according to product and label size)
- Label Size: (Length) 20-300 mm, (Width) 10-100 mm
- Product Size: Diameter 20mm-125mm, Height 30-160 mm
- Label Roll: Inner Diameter 75 mm, Outer Diameter 300 mm
- Accuracy: ± 1 mm
- Power Supply: 110 or 220 VAC, 50/60 Hz