

LD4000 High Speed Front and Back Labeler



High-Speed Front and Back Labeler LD4000 is designed to increase production efficiency and accuracy, being capable of accurately labeling on both the front and the back side of the products, they are suited for various industries and products, even bottles with curved sides can be labeled accurately with ease.

A special two-label-head design that can work independently or together to label two labels simultaneously with high speed, significantly decreasing the time required to infeed bottles and increasing productivity. LD4000 maintains labeling speed and accuracy by adopting high-rank motors and ensures each product can be labeled perfectly.

Features

1. Grand full-colored touch screen: Loaded with both Mandarin and English system interfaces. User friendly interface that is suited for all regions.
2. Intelligent control system: Automatically raise the alarm if a labeling is missed, labeling stops, or labels rip to ensure the production process will not be interrupted.
3. Flexible labeling mode: Microcomputer can control to label single side or two sides and supports single side labeling to satisfy multiple needs.
4. Stable bottle fixing device: The special bottle fixing device stabilize infeed bottles to ensure accurate labeling.
5. Highly efficient servo motors: Adopting known Japanese corporations' advanced servo motors to label fast and increase production efficiency.
6. High safety specification: Meets the requirements of UL and CE, with a safe human-machine control interface.
7. Precise sensor detection: Sensors detect accurately to swiftly locate the bottles and ensure the labeling is done without a flaw.
8. Automatic label length detection: Detects the label length with a click. The function raises working efficiency effortlessly.

9. High standard conveyor: Adopting a conveyor that meets the food hygiene standard MCC. The conveyor is both durable and hygienic with industrial, high wear resistance.
10. Bottle guiding system: Automatically guide the bottles to the labeling position to ensure each labeling is accurate and precise.
11. Automatic spacing device: Fixes the gap between the bottles to stabilize the bottles and increase labeling precision.
12. Two label head design: The labelers may adjust their angles slightly targeting different product heights and angles, making the change of production lines faster than ever.
13. Dynamic top pressing system: Move the bottles on sync to enhance the stability of bottles and ensure labeling result.
14. Labels pressing sponge rollers: Gently flatten the labels, keep the original shape of the products, and do not repress them.
15. Modular design: Arrange the assembling of machines based on the products. Satisfying diverse requirements while standardizing specification and design.
16. PLC control system: Touch screen human-machine interface, the screen itself is the interface. Humanized design, easy to understand and use.
17. Stainless steel stand: Circular design to save space, and the linear design allows convenient maintenance.
18. Electronic control unit: Simplifies parameters settings, anyone may operate the machine with short-term training.
19. Two bases design: Fixed foot and moving roller wheels design, allow easy and convenient machine transfer.
20. Label counting function: Monitor the production line status in time, the label counts will show on the screen.
21. Adjustable guide rails: Adjust the guide rails based on the product size. The guide rails are smooth and will not damage the products when conveyed.
22. Quick handle adjuster: Equipped with a handle adjusting function that can adjust in both vertical and horizontal directions.
23. Linkage design: The conveyor and labeling speed are synced when adjusting, raising the working efficiency.
24. Refined sponge device: The labels stick tightly with the products, ensuring the perfect labeling without bubbles.
25. High cleanliness machines: Meets the requirements of Class-10000 clean room, and satisfies the needs of the electronics industries.
26. High-rank material made: Host machines, docks, stands, conveyor mechanism, etc. are all crafted with high-rank stainless steel SUS304 and hardened aluminum alloy that are durable and require minimum maintenance.

Specification

- Degree of Automation: Fully Automatic
- Motors Spec: Servo Motors
- Premium Conveyor: 200mm, can be customized.
- Product Applicable Size: Diameter: 20mm-125mm, Height: 30-160 mm
- Labeling Speed: 40-100 pcs/min (Varies to product and label sizes)
- Label Size: (Width) 10-100mm, (Length) 20-300mm
- Label Roll Internal Diameter: 75mm, Exterior Diameter 300mm
- Power Supply Requirements: 110 or 220VAC, 50/60Hz Single phase
- Machine Size: (L)2100mm x (W)1380mm x (H)1500mm