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## TABLE OF CONTENTS

<b>Label Applicator</b> .....	2
Label Applicator .....	2
Top Label Applicator .....	7



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# LABEL APPLICATOR



## LABEL APPLICATOR

**SKU:** LA1000

**A label applicator** plays an important role in a labeling machine, it is the heart of a labeler. It is one of the most widely used equipment in various industries. During the normal operation process, the labeling machine not only needs a strong mechanical structure but also a reliable label applicator.

After peeling off labels, automatically attaching labels to the product, container, or package. The labeling head is normally used in the manufacturing and packaging process. It can apply different label types and configurations to meet the needs of different industries.

### **Automated packaging line makes products more competitive**

LA1000 Label Applicator can be equipped with packaging machines or other automation equipment easily. This application makes the label applicator an indispensable part of the production line. In addition, it is widely used in production lines of different industries, which include side labeling, top labeling, and round bottle labeling, etc.

Label Applicator LA1000 can be installed on production lines directly and easily connected to the PLC Control System. When the equipment is turned on, the label applicator can immediately synchronize with the production line, and its labeling speed can reach 8-12 meters per minute.

### **Automatically peel off the label, attach the label, and collect back paper to fix the flaws from manual operation, reduce human error**

Compared with traditional manual labeling, the automated label applicator can easily peel off labels and accurately paste them to products of various sizes and angles. Each label applicator is shipped with a back paper spool disc, and its function is to collect the back paper without stickers.

Operators don't need to waste time organizing the back paper. They only need to pull out the holder of the back paper to easily remove the entire roll of used back paper, saving valuable time and enhancing production efficiency.



### **LA1000, Label applicator makes labeling fast, precise, and diverse**

**The LA1000 sensor** detects the labeling position accurately and dispenses labels by the stepper motor for stable and fast labeling. You can flexibly adjust the angle and position of it.

When the label applicator is connected to the PLC control system, the operator can set the labeling process through the controller, including the size, spacing, and position of the label, to take control of the labeling status. Meanwhile, improving the efficiency, accuracy, and functionality.

The versatility of LA1000 Label Applicator can be used in different industries to simplify the labeling process, enhance efficiency, and ensure the consistency and precision of the product.

The design of the LA1000 Label Applicator is suitable for a variety of label shapes, sizes, and materials, except for round labeling. It can be used for different types of product packaging. The combination of automation and versatility optimizes packaging operations, increases production capacity, and enhances market competitiveness.

### **Specifications**

- **Labeling Motor:** Stepper Motor
- **Labeling Speed:** 8–10 m/min (according to product and label size)
- **Labeling Accuracy:**  $\pm 1$  mm
- **Label Size:** Width: 10–100 mm, Length: 10–250 mm
- **Label Roll:** Inner Diameter: 75 mm, Outer Diameter: 300 mm
- **Power Supply:** 110 or 220 VAC, 50/60 Hz, single phase
- **Machine Size:** (L) 440 mm  $\times$  (W) 243 mm  $\times$  (H) 542 mm
- ❖ **Actual product specifications may vary**



### Advantages:

- **Versatility:** Label Applicator is suitable for various products. Whether it is top labeling, bottom labeling, or side labeling, LA1000 can apply different labels, shapes, and materials to the product to packaging, providing flexibility.
- **Space-saving, can be widely used:** The machine is easy to install and space-saving. It's suitable for production lines in various industries such as food packaging, cosmetics, pharmaceuticals, chemicals, and electronics.
- **Automated production is more efficient:** Automated labeling and packaging operations significantly increase production speed.
- **Proactively remind the operator to change labels:** When the stickers have run out, the system will launch a signal alarm to remind the operator to replace the label roll.
- **Suitable for labeling production lines of multiple products:** Flexible multiple configurations to meet the needs of different industries.

### Application

#### Suitable Goods:

**Food & Beverages:** Bottled Beverages, Food Can, Sauce, Yogurt, Food Boxes, Ice Cream, Panna Cotta, Chocolate, Food Storage Container, Olive Oil, Sandwiches, Egg Cartons, Aluminum foil bag.

**Pharmaceutical and medical equipment:** Various drug canisters, injections, medicine boxes, etc. The labels include the drug name, dosage, and expiration date.

**Cosmetics and Personal Care Products:** Lipsticks, Creams, Hair dyes, Hair oils, Serums, and Mouthwash. Labels make products easier to recognize.

**Chemicals:** Containers of chemicals, Lubricating oil, Car batteries, Car wash detergent, Engine oil.

**Electronic products:** Electronic Parts, SD cards, Plastic Boxes, Paper Boxes, Films, Metal Parts.

**Logistics and Transportation:** Shipping labels, Barcode, Tags, Promotion labels.



#### Suitable Product Shape:



Three-dimensional products, such as square boxes, flat bottles, round bottles, etc.

Flat products, such as cartons, zipper bags, and paper bags.

**Suitable Product Material:**

paper, glass, aluminum foil, plastic (PP, PE, PET, PVC), ceramic, metal (tinplate, aluminum, stainless steel).



**Suitable Labels:**

Self-adhesive labels, Promotion Labels, Anti-counterfeit Labels, Laser Labels, Barcode, fragile labels, ingredient labels, Polyester stickers, serial number labels, computer labels, product labels, waterproof stickers, Drug indication label(Off-label use)

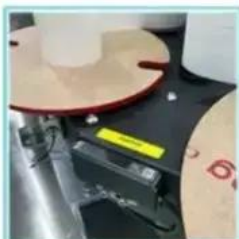


**Labeling Method:**

Driving the label applicator with a stepper motor. When the paper roll reaches the peel plate, peel off the sticker and paste it onto the products. And the back paper will be rolled onto the back paper spool disc automatically.



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Set the parameter of label sensor, detecting stickers precisely



Marking the rotation direction sticker on hand wheel, which is convenient for adjustment.

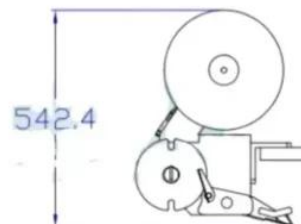
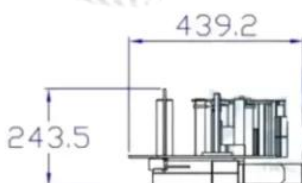
**Suitable Industries:**

Pharmaceutical industry, food industry, baking industry, cosmetics industry, biotechnology industry, manufacturing industry, daily chemical industry, technology industry, etc.



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**Machine Layout:**



**Categories:** [Tabletop Labelling Machine](#), [Label Applicator](#)



## TOP LABEL APPLICATOR

**SKU:** LA1100

**A top label applicator** is a labeling device that uses a stepper motor to achieve high-precision positioning through signal control.

Top Label Applicator accurately affixes labels to products or packaging, making it suitable for industries that require precise label application, such as the food, beverage, pharmaceutical, cosmetic, and other packaging industries. The key point of accurate label positioning is the label applicator with the stepper motor.

The stepper motor label applicator LA1100 can automatically peel off the label and accurately paste it to flat products of various sizes, providing a neat product labeling, enhancing the brand image, and achieving marketing results.

Whether for standalone labeling needs or integration into existing packaging lines, LA1100 Top Label Applicator can offer a fast and economical labeling solution. It saves production time, space, and costs, and improves labeling production efficiency.

### **Exquisite Top Label Applicator LA1100 - suitable for various labeling**

The LA1100 is a larger-sized top label applicator. The biggest difference between LA1000 and LA1100 is the machine size. LA1100 is bigger to provide more stable and efficient labeling, as well as being suitable for more labeling requirements. Some components of the LA1100 are specifically arranged in different colors to make it more colorful. It also uses lighter materials for easier transportation and installation.

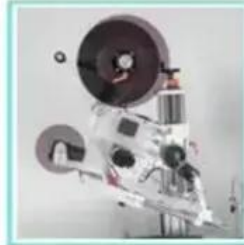
The labeling path of the LA1100 Top Label Applicator is short, making it convenient to replace label rolls and easier to adjust the labeling angles. With a simple and lightweight structure, it can be installed on a packaging machine without impacting the existing equipment.

Top Label Applicator is more suitable for high-accuracy labeling requirements of technology industry electronic products, food, pharmaceuticals, chemicals, precision electronic components, packaging bags, SSDs, RFIDs, etc.

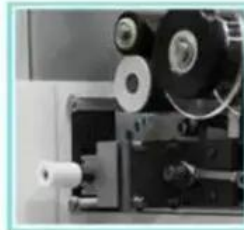


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The translucent design of paper spool disc makes operator easy to confirm the remaining label quantity quickly.



It allows to assemble printer bracket, making production faster.



### Efficient labeling solutions for a variety of packaging machines

The labeling speed of the LA1100 Top Label Applicator reaches 10 meters per minute. It is capable of standalone labeling operations and can also be integrated into a production line, providing flexibility for changeover.

By installing an extra swing buffer roller onto LA1100 can increase the label dispensing length, accelerate the labeling speed, allowing you to meet higher production needs and produce more products in less time. It is a fast and economical label applicator that is available to connect with you



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**User-friendly Design:** Mark steps and direction of label threading clearly. It helps operator finish work smoothly.



**Use back paper holder** to hold the used back paper. Back paper spool disc automatically collects the back paper during. You can remove the entire roll of used back paper after the production.



**Guide Ring:** According to the label size, adjust the height of guide ring to avoid displacement of labels.



#### Advantages:

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1. The label applicator is compact, easy to install, and space-saving. It's suitable for various places to use, saving cost and time.
2. With a short labeling path, quick and simple label roll replacement enhances production efficiency and accuracy.
3. The labeling angle can be adjusted flexibly, which is appropriate for various product shapes to meet diverse requirements.
4. It's driven by a stepper motor, ensuring precise and stable labeling and reducing labeling errors.
5. An intelligent microcomputer controls the machine, making other operations easy. It can be connected to other automated devices, enabling production integration and resource-saving in manpower.

#### Application & Advantage

##### Applications

**Food & Beverage:** Juice, canned food, condiments, boxed ice cream, bagged food, food storage containers, etc.

**Pharmaceutical and supplements:** Various bottles, infusion, medicine boxes, dietary supplements, etc., including product name, dosage, and expiration date.

**Personal care and cleaning supplies:** Conditioner, Shampoo, Body soap, Lotion, Sunscreen, Detergent, Laundry Detergent, Dishwashing, etc.



**Industrial electronic products:** Electronic Component, Color Box, Hardware Part, Terminal, SD Card, DDR, Battery, Engine Oil, Coolant

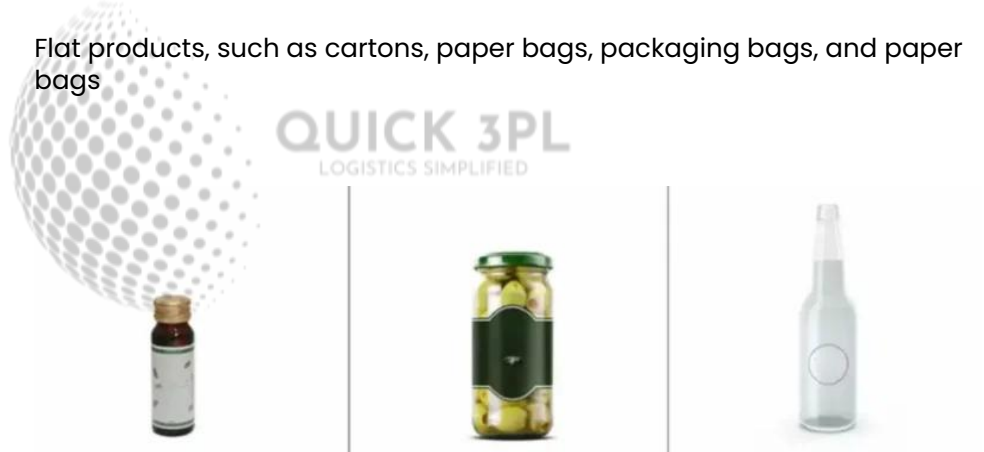
**Logistics products:** Carton, Shipping Mark, Barcode, Promotional Label



### Suitable product shape

Three-dimensional products, such as square boxes, flat bottles, round bottles, etc.

Flat products, such as cartons, paper bags, packaging bags, and paper bags



### Suitable Materials

Paper, Glass, Aluminum Foil, Plastic (PVC, OPP, PP, PE, PET, HDPE, PLA), Metal (tinplate, aluminum cans, stainless steel), Styrofoam

### Suitable Labels

Self-adhesive labels, Promotional labels, Anti-counterfeit Labels, Ingredient Labels, Laser Labels, Double-layer stickers, Bookmark Labels, Barcode Labels, PC Nameplate Stickers, Fragile Stickers, Heat-resistant Stickers, Polyester stickers, Serial Number, Product Labels, Heat-sensitive labels, Frozen Stickers, Void Label



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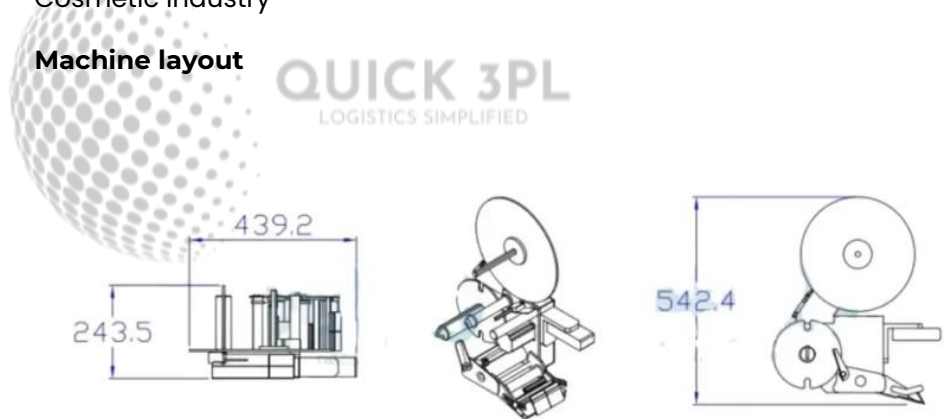
### Labeling style

Driving the label applicator with a stepper motor. When the paper roll reaches the peel plate, peel off the sticker and paste it onto the products. And the back paper will be rolled onto the back paper spool automatically.

### Suitable industries

Food Manufacturing (processing) Industry, Baking Industry, Pharmaceutical Industry, Chemical Industry, Daily Chemical Industry, Technology Industry, Biotechnology Industry, Manufacturing Industry, Cosmetic Industry

### Machine layout



**Categories:** [Label Applicator](#), [Tabletop Labelling Machine](#)



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## INDEX

### **L**

Label Applicator 1

### **T**

Top Label Applicator 6

