U.S. SOLID

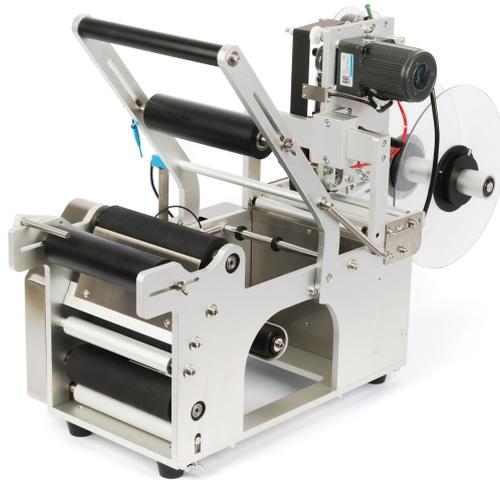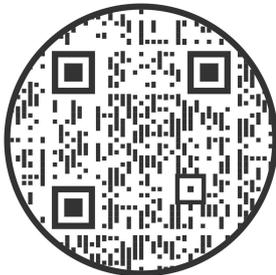# ROUND BOTTLE LABELING MACHINE
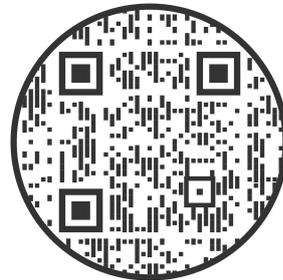# SKU: JFRBL00002
MANUAL NO. 11871

SCAN FOR VIDEO TUTORIAL

FIND QUICK ANSWERS

1. Product Description：

① Product Overview

This labeling machine operates with manual press electric labeling. It is widely used in industries such as food, beverage, and pharmaceuticals for labeling production dates and batch numbers. The machine employs an intelligent controller to manage label separation, dispensing, and application. It uses labeling tape instead of ink printing and applies self-adhesive labels to bottles by pressing them with rollers. The machine is easy to operate and maintain.

② Application Areas

Labeling for round bottles, vials, shampoo bottles, small tapered cosmetic bottles, etc.

③ Product Features

- Efficiency of up to 40 times per minute (specific speed depends on the operator's proficiency).
- Adjustable labeling position before and after application, with an accuracy range of ±1mm (excluding workpiece error), meeting the labeling needs of different workpieces.
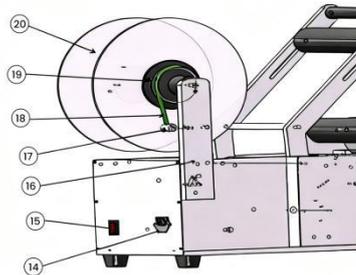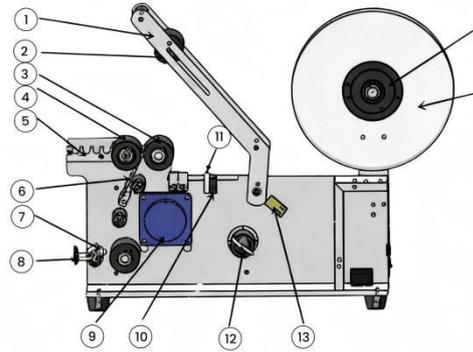- High-quality labeling effect, free of bubbles and wrinkles,

enhancing product competitiveness.

- Equipped with electronic components such as microcontrollers and intelligent sensors, ensuring extremely stable performance.

- Modular design for easy maintenance and low repair costs.

- Simple operation, reasonable design, and precise processing ensure reliable machine operation.

④ Product Parameters

Parameter	Value
Speed	1-40 times/min
Labeling Line Speed	7 m/min
Label Specifications - Width	0.59 - 4.72 inches
Label Specifications - Length	0.59 - 12.20 inches
Applicable Bottle Diameter	φ 0.59 inches ~ φ 5.51 inches
Applicable Bottle Length	Up to 7.09 inches
Label Roll Outer Diameter	Up to φ10.63 inches
Label Roll Inner Diameter	φ 2.95 inches
Rated Power	AC110V/60Hz 45W
Machine Dimensions - Length	21.34*10.24*19.69 inches
Net Weight	55.12 lbs

⑤ Main Components

No.	Part Name	No.	Part Name
1	Bottle Pressing Arm	11	Label Sensor Adjusting Screw
2	Bottle Pressing Roller	12	Paper Receiving Roller
3	Label Balancing Rubber Roller	13	Start Switch
4	Positioning Roller	14	Power Socket with Fuse
5	Positioning Block	15	Power Switch
6	Label Detection Plate	16	Tray Arm
7	Clamping Guide Roller (Knurled)	17	Damping Adjustment Screw
8	Star Handle Screw	18	Chuck Damping O-ring Belt
9	Label Motor	19	Chuck Fixing Block
10	Label Sensor	20	Plexiglass Chuck

2. Safety

① Preparation for Use：

This manual provides detailed descriptions of the product's handling, storage, installation, startup, operating conditions, maintenance, troubleshooting, and repair.

It is recommended that the installation of the machine be performed by trained professionals.

Always adhere to the maintenance instructions.

● Before using the machine, be sure to read this manual thoroughly and ensure full understanding.

● If you have any questions, please contact the supplier.

② Safety Precautions：

● Before operating the machine, carefully read the "Manual."

● A three-pin socket with a ground wire must be used and reliably grounded to prevent electric leakage and ensure personal safety.

③ Operating Environment：

This product is designed to operate in indoor room temperature environments. If the environmental conditions are harsh, please contact the manufacturer.
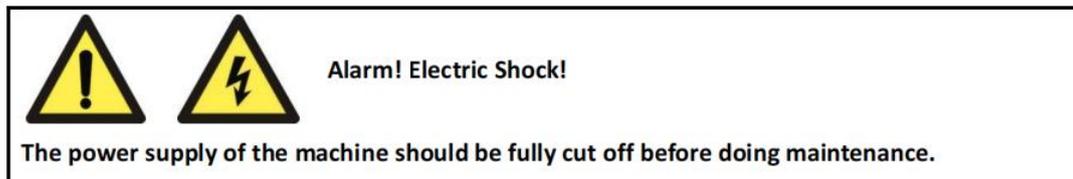
3. Equipment Handling

① Packaged in Carton

If the machine is packaged in a carton with expansion padding:

• Remove the expansion padding from the carton.

If the machine is packaged in a carton with foam material:

• Remove the foam material from the carton.

4. Machine Maintenance

Alarm! Electric Shock!

The power supply of the machine should be fully cut off before doing maintenance.

Regular daily maintenance is essential to extend the machine's service life, prevent failures, and achieve optimal packaging results.

If the machine is used frequently (exceeding 4 hours per day), professional maintenance is recommended every six months. For usage under 4 hours daily, a comprehensive maintenance should be performed annually (subject to the specific venue, environment, and products).

However, minor maintenance tasks that can be handled by users themselves must be carried out regularly. The following sections provide an overview of these activities.

• Before performing any maintenance, ensure the machine is completely disconnected from the power supply by unplugging the power cord from the socket.

• If the machine does not operate normally or emits unusual noises, immediately turn off the power and contact the manufacturer or supplier.

• Never perform high-pressure cleaning on the machine. High-pressure cleaning can severely damage the electronic components and other parts of the machine.

• If the machine malfunctions or is damaged due to the user's failure to perform maintenance in accordance with this manual, the manufacturer shall not be held liable.

5. Startup and Commissioning ： _(For detailed operational procedures, you may refer to the video on the product details page or contact customer service to request the video.)_

1.Use screws to install the label holder onto the main unit.

2.Unscrew the side screws of the main unit, install the blue sensor wire onto the main unit, and plug the other end into the "limit switch synchronize controlling" socket on the control box.

3.Loosen and remove the transparent guard on one side of the label holder. Load the label paper onto the rod. Then reattach the

transparent guard. Guide the label paper toward the main unit (refer to the video) until it is fixed onto the label rewinding rod.

4.After loading the labels, adjust the distance between the two black fixing rings according to the label width.

5.Plug each end of the other wire from the accessories into the top socket of the main unit and the "PRINTING WIRE" socket on the control box.

6.Plug the machine's power cord into the power supply. Also, plug the control box's power cord into the power supply.

7.Turn on the red switch on the main unit.

8.Lift the POWER and PRINT levers upward on the control box. (If the machine beeps, it means the sensor of the printing module does not detect the ink ribbon. Insert the black ink ribbon into the sensor.)

9.Adjust the black temperature knob on the control box. It is recommended to set it to level 5 when starting the machine, and then adjust it to level 1-2 after the temperature rises.

10.The knob next to the red indicator light on the control box can adjust the printing speed. The FORE direction is the fastest, and the BACK direction is the slowest. Adjust the speed according to the actual situation.

11.Place the bottle on the rollers. The side crossbar can be placed

next to the bottle or shortened and placed at the bottom of the round bottle.

12.Press down the lever until it touches the bottle, and then the label can be applied normally.

13.Adjusting character position: Loosen the screws on both sides of the printing module, and adjust the front and back position of the module group to change the character position.

14.If the bottle tends to fall when pressing down the lever, place the crossbar next to the bottle to prevent it from falling.

15.Replacing the ink ribbon: Remove the original ink ribbon from the upper and lower transparent ribbon spools and replace it with a new one. (Refer to the product video for detailed operation.)

16.Installing character wheels: Press the spring to remove the character wheel. Then install the required character wheels. Finally, reinstall the character wheel onto the machine. (Refer to the product video for detailed operation.)

6. Common Faults and Troubleshooting:

No.	Fault Phenomenon	Possible Cause	Solution
1	Abnormal labeling action	Whether the label position is normal, whether the transmission mechanism is jammed by labels or foreign objects	Check whether the clamping guide barrel is locked; check whether the (3) start switch is in the sensing area position
2	Uneven labeling	Whether the embossing rubber roller is pressing against the bottle	Check whether it rotates normally
3	Bottom film not pulled	Whether the clamping guide barrel is locked or whether the film pulling state is too tight	Adjust the tightness of the two (8) star knob screws
4	Label not adsorbed	Whether the label output position is correct	Check whether the stop position is correct; adjust the position of the (⑩) label detection sensor
5	Labels not parallel after application	Whether the left and right clamping forces of the clamping guide barrel are unbalanced	Adjust the tightness of the two (8) star knob screws

7. Common faults and troubleshooting of thermal coding machines：

No.	Fault Phenomenon	Cause	Solution
1	Imprint visible but no color	a. Insufficient preheating time	Preheat cold machine >15 min
		b. Ribbon installed backwards	Install per manual
		c. Temperature set too low	Increase temperature
		d. Heating tube damaged	Replace
		e. Ribbon deteriorated	Replace
		f. Temperature too high	Decrease temperature
2	No imprint impression	Connecting rod too short	Adjust double-ended screw
3	Blurred print	a. Insufficient preheating	Extend preheating time
		b. Temperature too low	Increase temperature
		c. Ribbon step distance too small	Adjust ribbon step distance
		d. Insufficient imprint pressure	Adjust per manual
		e. Ribbon not moving	Replace one-way bearing or adjust ribbon tension
		f. Ribbon melted, oily or deteriorated	Replace ribbon
		g. Temperature too high	Decrease temperature
4	Ribbon breakage	Temperature too high	Decrease temperature
5	Uneven imprint height	a. Type height error too large	Replace/repair type
		b. Print head and base plate not parallel	Adjust/correct alignment
		c. Improper type installation	Reinstall and secure properly
6	Ribbon deviation	a. Guide rods deformed/misaligned	Check/realign/reinstall
		b. Incorrect guide rod position	Check/correct
		c. Poor contact between pressure wheel and stepper wheel	Adjust spring pressure
7	Connecting rod not stopping at optimal position	a. Incorrect proximity switch position	Adjust relative position
		b. Proximity switch damaged	Replace
8	Print head frequently jams	a. Connecting rod too long	Shorten connecting rod
		b. Rubber impression plate aged	Replace

Contact

Feel free to visit our website:

www.ussolid.com

You can email us at service@ussolid.com