Perfect Labeling

Semi-auto Wrap-around Labeler

MT-50 Operation Manual

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1. GENERAL SPECIFICATIONS;

Model MT-510 Semi-auto Wrap-around Labeller is mostly suitable to stick the label onto round containers with different size, and it includes main body, label peel-off unit, waste paper collection, bottle
positioning, etc. The operator put the bottle into positioning unit, when the bottle is positioned, to press the switch, then the label will be stucked onto the bottle automatically

2. MAIN TECHNICAL DATA

- Capacity: 10—50 bottle per minute
- Labeling accuracy: ±0.5mm
- Qualified Rate: ≥99%
- Power Supply: 220V 50Hz
- Total power consumption: 0.2KW
- Machine size: L600×W300×H400mm
- Net weight: 25Kg
- Label In roll Diameter: Max 260mm(Outer), Min 76mm (Inner)
3. ADJUSTMENT OF MAIN PARTS

Label feeding:
Unfold the paper plate cover; place the label in roller onto plate; and please be sure the right direction of label infeed, pull out the label onto each part of plate according to diagram, and finally, fix the plate cover.

Bottle positioning:
To make sure that the bottle face for labeling is correct and then place the bottle into the positioning unit, further to try to stick one label onto the bottle first to see if the label is located into the proper position of the bottle, continues above step to confirm the label can be sticked onto the right position of bottle by adjusting the positioning unit location in front&back, and left&right direction.

Label Sensor:
To adjust the position of label photo sensor front or back to confirm that the label length should be longer than peel-off plate up to 2mm;

4. INSTALLATION AND TESTING

a) When the installation position for this machine is fixed, please adjust the height of screw pole on four legs to ensure the machine in horizontal direction correctly.

b) Must be familiar with construction, working procedure and adjustment method of this machine.
c) To check if each parts have been synchronized, to check lubricant oil part condition and if there is lack of any butter, and implement them.

d) Please let the machine running without labeling, if there is nothing abnormal, it can be placed into production.

5. PHOTO SENSOR ADJUSTMENT

A. Adjust the sensor controller to setting condition (Dial button to “SET”)

B. Label gap will be placed to sensitivity wiring, that is to say, dial “L.ON” to “SET” position, Adjust “MIN-MAX” button, and the light will be sparking, and you will find the green and red light on controller will not turn on, and next, take away the label gap and move the label position to sensitivity wiring, adjust “MIN-MAX” button, the light will be sparking, and you will find the light on controller will turn green
C. Set sensor controller to Operation Stage (Dial” SET” to “L-ON)

D. If they can not checked in normal condition, please follow up above-mentioned step to adjust until it can be checked; If it is in label, the light on controller will turn green to show it is working correctly, if it is in label gap, the light on controller will turn off, Meanwhile, when the label is taken away, the light on controller will turn green and red in the same time.

6. OPERATION:

1) To check if the power supply is “220V 50Hz” or not;
2) To connect with power supply to see if the light turns on.
3) To check if the label in roll is well placed and fixed;
4) To place any one container for trail on labeling and further to adjust the label sensor and container positioning module continuously until the label can be sticked and located onto the proper position of the bottle.

7. MAINTENANCE

1. To change the lubricant oil regulate for gear box, decelerators.
2. To add butter on gear chain, cam and gear roller regulate;
3. Outer surface of machine need to be cleaned by clean water, the water rejecting clean is not allowed;
4. When daily production is finished and switches off the machine, please clean the each guide roller and place them
into clean position for storage.

8. Problems and Solutions

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<tr>
<th>Problems</th>
<th>Solutions</th>
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<tbody>
<tr>
<td>Label goes left or right</td>
<td>To check if the positioning pole is connected to the bottle bottom properly every time, and to check also if the label positioning ring has been adjusted to correct position.</td>
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<tr>
<td>Label has bubble</td>
<td>To adjust the position of label and peel-off plate, to make sure that the label length need to be longer than the plate after it peeled off every time.</td>
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<tr>
<td>Labeling fails</td>
<td>To check if pulling unit is well connected to the micro switch, and if the distance of bottle positioning units is proper</td>
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9. PACKING&TRANSPORTATION

1. Packing:
   The machine must be well packed by strong wooden crate.

2. Hoisting
   To move the machine by forklift correctly.

3. Transportation
   The bottom of the machine should be surfaced with the truck to avoid any damage