



WinSky ST-530 Full Automatic Desktop Positioning Labeling Machine Instructions

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WinSky ST-530 Full Automatic Desktop Positioning Labeling Machine



Product Information

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Machine Control Instructions

1. **Emergency stop:** Press it in an emergency, the machine will stop running. (Note: The machine can't work when the emergency stop button is pressed); Emergency stop button recovery: Turn the button in clockwise direction to pop out and the machine returns to normal.
2. **Speed control knob:** it is to control the conveyor speed, usually it adjusts to the value 20-40
3. **Product sensor:** The detection position can be adjusted appropriately according to the principle of labeling immediately when the fiber sensor detects the product.
4. **Label sensor setting:** if the sensor can't detect the label and here is the re-setting way. hold the +- buttons at the same time for one second then release, the indicator light flashing, and then move the label back and forward several time and then press the – button, and the label sensor re-setting finished.

Mechanical Adjustment Part

1. **Conveyor guide:** adjust the conveyor guide back or forward to fit well product size.
2. **Labeling wheel:** place the product between the roller and labeling wheel first, and shake the hand-wheel to make the labeling wheel touch product to finish adjustment like (2) picture.
3. **Over-label power wheel:** According to the up and down position of the product label, loosen the fixing screws in the picture, and the position of the power wheel can be adjusted up and down.

Product Usage Instructions

1. In case of an emergency, press the emergency stop button to stop the machine. To resume normal operation, turn the button in a clockwise direction.
2. Use the speed control knob to adjust the conveyor speed. The recommended value is between 20-40.
3. Adjust the product sensor according to the principle of labeling immediately when the fiber sensor detects the product.
4. If the label sensor cannot detect the label, reset it by holding down the +- buttons simultaneously for one second, releasing them, and then moving the label back and forth several times. Press the – button to finish resetting.
5. **To adjust the label position, follow these steps:**
 - If the label is too short, loosen the knob screw on the label sensor and adjust its position backward or forward on the label. Then, go to the touch screen-manual page and click the gap position to make sure that the label is only higher by 1-2mm than the metal peeling plate edge. The adjustment is completed.
 - If the label is too long, move the label sensor position to the leftmost of one label. Then, go to touch screen-parameter page-label stop delay to change the value. Next, go back to manual page and click gap position to check how label on metal peeling plate. Repeat above step until the label is only higher by 1-2mm than the metal peeling plate. The adjustment is completed.
6. Adjust the conveyor guide back or forward to fit the product size.
7. Place the product between the roller and labeling wheel, and shake the hand-wheel to make the labeling wheel touch the product to finish adjustment.
8. According to the up and down position of the product label, loosen the fixing screws in the picture, and adjust the position of the power wheel up or down.

Machine control instructions

1. Emergency stop:

Press it in an emergency, the machine will stop running. (Note: The machine can't work when the emergency stop button is pressed); Emergency stop button recovery: Turn the button in clockwise direction to pop out and the machine returns to normal.



2. **Speed control knob:** it is to control the conveyor speed, usually it adjusts to the value 20-40

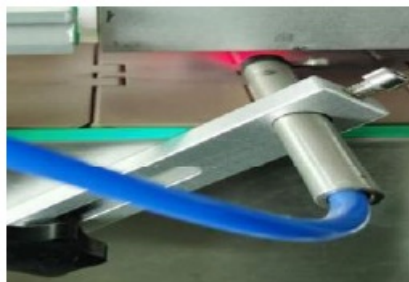


3. **Digital display fiber amplifier:** The green value is settled manually, the red value is the real-time value detected; the value can be adjusted through the “+”“-” button; You can increase the green value appropriately when the real-time value is misread when the product is not detected while the machine is running, (note: may be affected by dust or label reflection)

- No products, then no light, green number must be larger than red number.
- When detecting products, light on, red number must be larger than green number.
- If no product but light is on, it is not normal, then must adjust the number by pressing + or –
- button to make sure the green number is larger than red number.



4. **Product sensor:** The detection position can be adjusted appropriately according to the principle of labeling immediately when the fiber sensor detects the product



5. **Label sensor setting:** if the sensor can't detect the label and here is the re-setting way. hold the “+” and “-” buttons at the same time for one second then release, the indicator light flashing, and then move the label back and forward several times and then press the “-” button, and the label sensor re-setting finished.



How to make adjustments if the label on the metal peeling plate is too long or too short.

1. The label is short: adjust the position of the label sensor to back or forward on the label after loosening the knob screw on the label sensor, meanwhile, go to the touch screen-manual page- click the gap position to make the label is only higher 1-2mm than metal peeling plate edge, then adjustment is completed.
2. the label is longer: firstly move the label sensor position to the leftmost of one label, then go to touch screen-parameter page- label stop delay to change the value, and then go back to manual page to click gap position to check how label on metal peeling plate, repeat above step until the label is only higher 1-2mm than metal peeling plate, then an adjustment is completed.

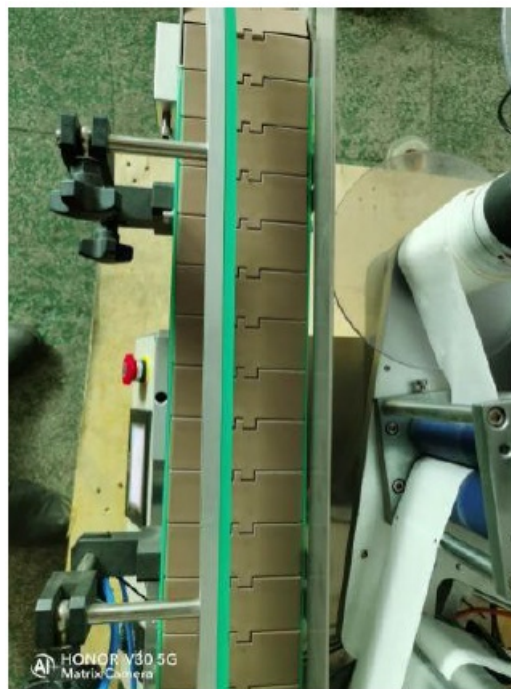
Parameter page:

1. **Manual rewind speed:** It refers to the speed of label dispensing during manual operation of the page;
2. **Auto rewind speed:** it refers to the speed of label dispensing during automatic page (Note: When the machine is running automatically, the label or backing paper is pulled during the product labeling process, it indicates that the label dispensing speed is slow, and the value in traction automatic frequency need to be increased; If the label dispensing faster than the product labeling which indicates that the label peeling speed is faster and the value in traction automatic frequency needs to be reduced appropriately;
3. **Label start delay:** It means to delay the time point of labeling on the principle of peeling off the label when it is detected;
4. **Label stop delay:** It means that the label is detected by label sensor and then stops within the specified time.

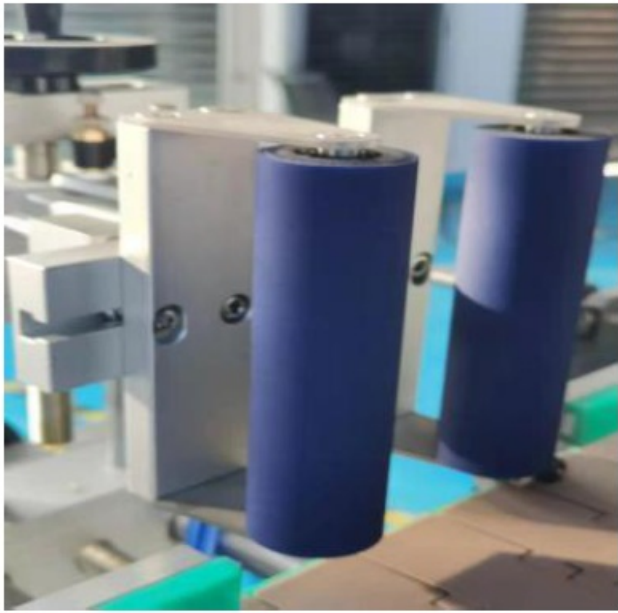
Parameter			14:14
Label mode : Single Standard ▼			<div>Auto</div> <div>Manual</div> <div>IO Monitor</div> <div>Parameter 1</div>
Current Recipe 88888 <div>Recipe</div> <div>RUN</div> <div>STOP</div>	Manual Rewind Speed:	99999 Hz	
	Auto Rewind Speed:	99999 Hz	
	Manual Conveyor Speed:	99999 Hz	
	Auto Conveyor Speed:	99999 Hz	
	1st Label Start Delay:	9.99 S	
	1st Label Stop Delay:	9.999 S	

Mechanical adjustment part

1. Conveyor guide: adjust conveyor guide back or forward to fit well product size.



2. **Labeling wheel:** place the product between the roller and labeling wheel first, and shake the hand-wheel to make the labeling wheel touch product to finish adjustment like (2) picture



(1)



(2)

3. **Over-label power wheel:** According to the up and down position of the product label, loosen the fixing screws in the picture, and the position of the power wheel can be adjusted up and down.



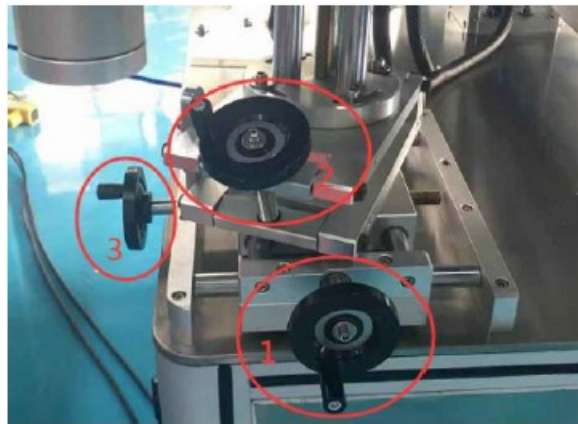
4. **Bottle pressing wheel adjustment base:** After the machine is connected to the air source, while pressing the positioning cylinder button on the manual page of the touch screen, shake (1) adjust the front and rear hand wheels to make the bottle pressing wheel press the product and the product cannot be turned by hand That's finish. Such as (2) picture.



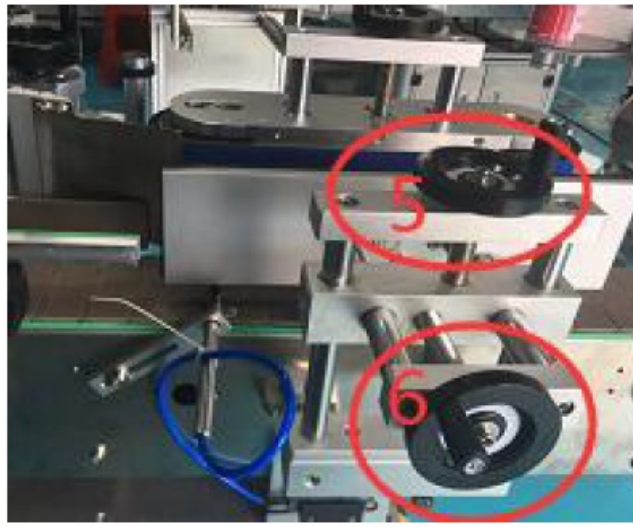
(1)

(2)

5. **Hand-wheel 1:** It is used to adjust the left or right position of labeling head(the peeling plate)
- Hand-wheel 2:** It is used to adjust the tilt of labeling head. It is mainly used to adjust the situation that the beginning and end of one label are not aligned on bottle when labeling.
- Hand-wheel 3:** it is used to adjust the front and back position of labeling head, so that it can match well with the big blue roller.
- Hand-wheel 4:** it is used to adjust the upper and lower position of labeling head, it is mainly for labeling bottle on different height.



- Hand-wheel 5:** it is used to adjust the blue plate in upper and lower position.
- Hand-wheel 6:** it is used to adjust the blue plate out or in so that bottles can be held and passing though smoothly and labeling successfully.

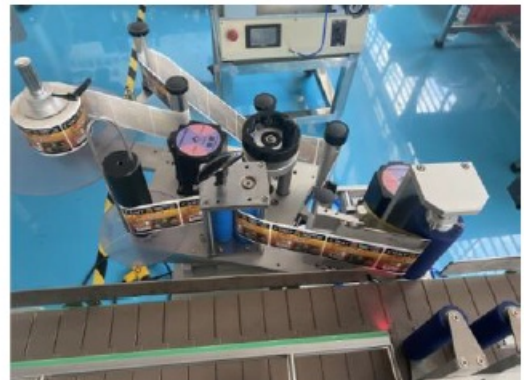
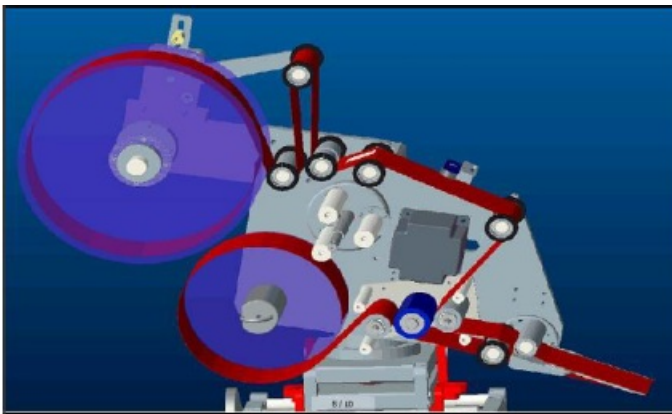


Machine Operation

After connect machine with local power supply and air compressor, operate machine like below steps.

Step 1: Label roll installation

Note: Please lock the black knob as below picture(you will head an lock sound when you lock it)



Step 2.

After finish labels installation, go to the touch screen, and go to“manual”page, keep pressing“rewind motor”3-4 seconds to let some labels peel out and make sure the labels moving smoothly, after that, click“gap position”to go out 1-2 labels to see the length of label on peeling plate(see below picture), pls make sure it is 0-3mm of that space.



If it is not 0-3mm, here is the way to adjust that.

1. The label is short: adjust the position of the label sensor to back or forward on label after loosening the knob

screw on label sensor, meanwhile go to touch screen-manual page- click the gap position to make the label is only higher 1-3mm than metal peeling plate edge, then adjustment is completed.



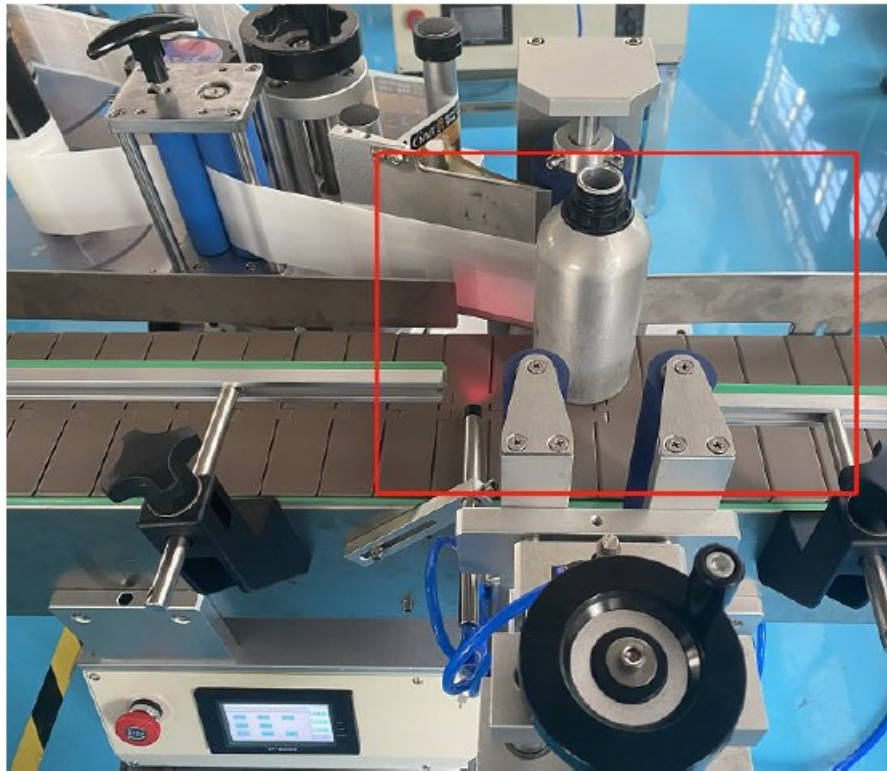
Parameter			14:14
Label mode : Single Standard			Auto Manual IO Monitor Parameter 1
Current Recipe 88888 Recipe RUN STOP	Manual Rewind Speed:	99999 Hz	
	Auto Rewind Speed:	99999 Hz	
	Manual Conveyor Speed:	99999 Hz	
	Auto Conveyor Speed:	99999 Hz	
	1st Label Start Delay:	9.99 S	
	1st Label Stop Delay:	9.999 S	

Note: the password of parameter is 1234 or 38583808

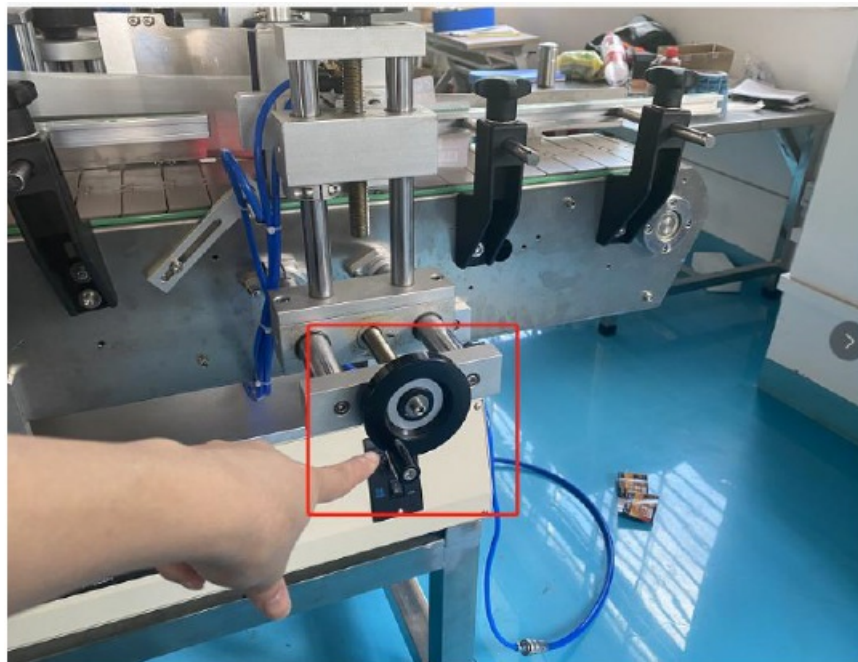
Step 3:

After calibrating the label, adjust the part of the blue rubber coating roller

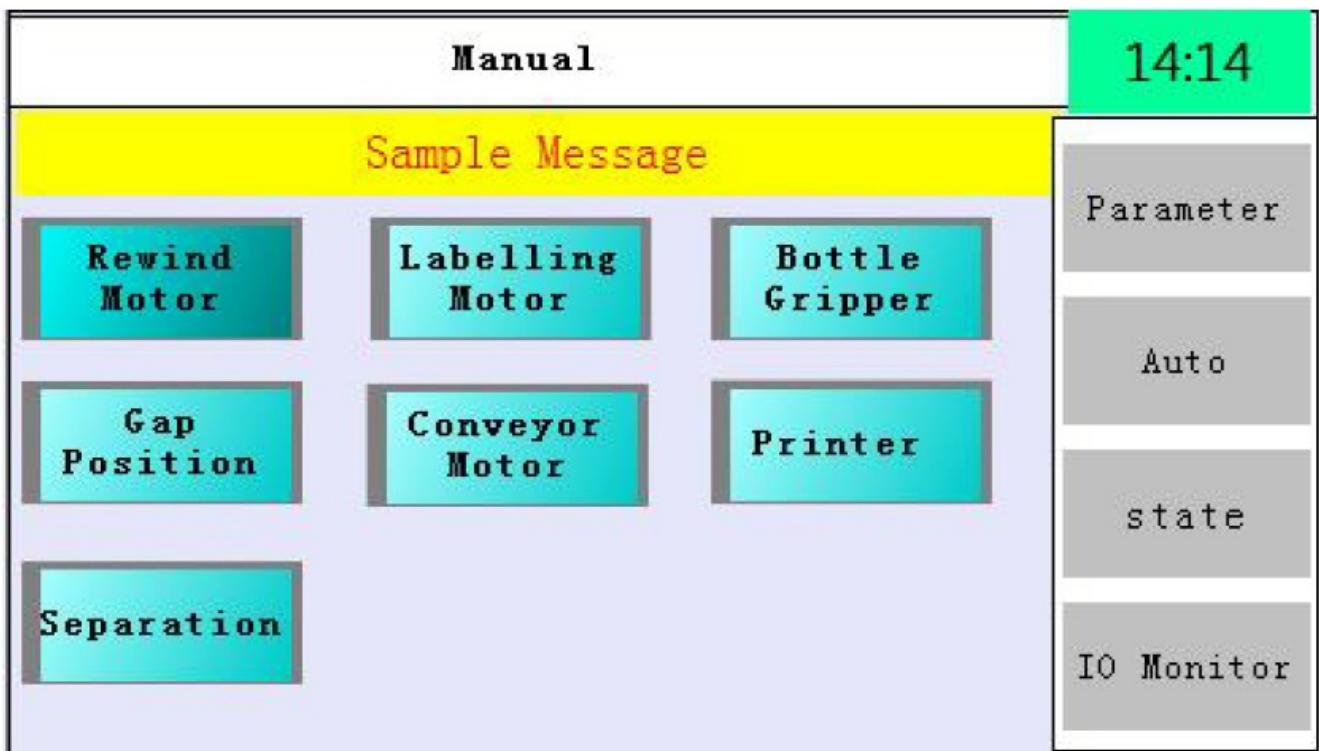
1. Put your bottle into the middle of the three rollers, then shake the hand wheel clockwise to move the two small rollers to the outermost part



2. Then enter the manual page to click bottle gripper, after click please shake the hand wheel to clamp the bottle firmly and press the bottle gripper again to return.



3. Adjust the guide bar, as long as the bottle can go through the conveying smoothly(as below)



4. Enter the automatic page, turn off the traction, and then click “Run” to see if the bottle can be clamped smoothly

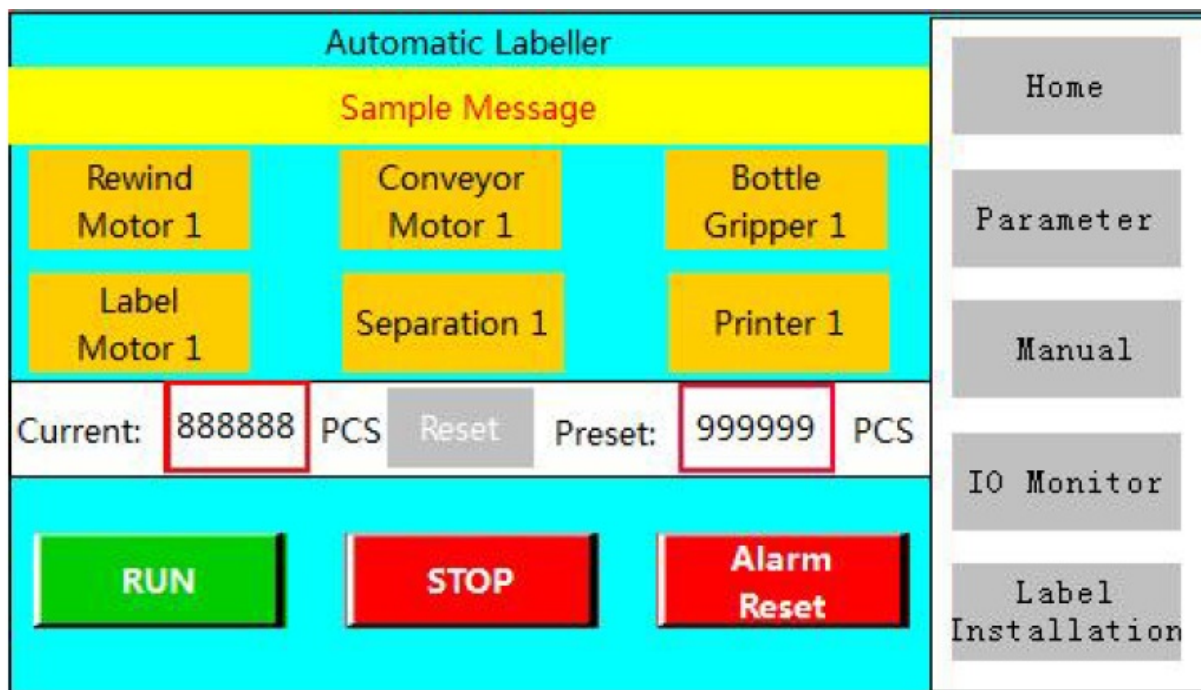


If the bottle can't be clamped, then you need to enter the parameter 1 page, set the value of bottle grip delay start, and then press “RUN” again. If it still can't be clamped, then increase the value of bottle grip delay start a little, and press “RUN” each time until the bottle can be clamped.

Automatic Labeller					
Sample Message					
Rewind Motor 1		Conveyor Motor 1		Bottle Gripper 1	
Label Motor 1		Separation 1		Printer 1	
Current:	888888	PCS	Reset	Preset:	999999 PCS
<div> <div>RUN</div> <div>STOP</div> <div>Alarm Reset</div> </div>					
<div> <div>Home</div> <div>Parameter</div> <div>Manual</div> <div>IO Monitor</div> <div>Label Installation</div> </div>					

5. After the bottle is clamped steadily, return to the automatic page, turn on rewind motor 1 means on 0 mean off , and then put the bottle on the conveyor belt, then you can start to work by clicking Run

Parameter 1			14:14
2nd Label Start Delay	9.999	S	<div>Auto</div> <div>Manual</div> <div>Parameter</div> <div>Parameter 2</div>



Frequently Asked Questions

Why the label is easily torn off?

A. When the label is installed, the front and back parts are not even flattened. So if the label appears uneven in some places, it is easy to tear the labels please keep the flat lever

- The automatic traction speed is too fast: (lower the speed on the parameter page)
- The stripping plate is too sharp, (the stripping plate can be covered with tape)

Why will come out two consecutive labels?

Because the product sensor is sometimes more sensitive and will cause misunderstandings, you can set the value of the object filter when such a situation occurs.

How to do if the label is coming out too much (more than 4mm))two solutions)

- If the length of your label is relatively short no more than 130mm length only need to move the position of the label sensor back and forth, move once time and press the gap position once, until the label come out with a complete label, and keep it at 0-3mm
- If the length of your label is relatively long (more than 130mm), please move the label sensor to the far left first, and then enter the parameter page, the password is 1234 or 38583808, and then set up the value of the label stop delay to 0.05 first. If it is not finished yet, just increase a little value each time and each time you increase the value, please press the gap position once until the label is come out with a complete label, and keep it at 0-3mm

Why is there no response at the peeling plate position after pressing the rewind motor button?

Because the label is not locked, or the wire of the rewind motor is loose when shipping – Go back to the first step above, lock black knob

How to do that if it can't hold the bottle between 3 rollers?

If the bottle can't be clamped, then you need to enter the parameter page, set the value of bottle grip delay start to 0.2, and then press "RUN" again. If it still can't be clamped, then increase the value of bottle grip delay start a little,

and press “RUN” each time until the bottle can be clamped

The main factors of labeling wrinkles are as follows:

1. The speed of labels peeling off and labeling is inconsistent

It can be solved by adjusting the speed of label peeling off faster than the applying labels, Inter automatic page to make the “rewind speed” value larger than the value of labeling.

2. The label is attached to the bottle too fast

Set up the value bottle grip delay start a little, such as 0.1

3. The quality of bottles.

if wrinkles happen always after the above is resolved, then it will be the quality of bottles and labels. So need to improve the bottles or labels quality because they are too soft

How to adjust when the labels are uneven on the bottle?


If the label is uneven when the product is over-labeled, and the difference is too far, please loosen the screw and shake the hand wheel. When the wheel is adjusted to the level of the product label interface, tighten the screw.

Thank you for your using. If you have any questions about the quality, performance and service of the equipment, you are welcome to make valuable suggestions.

Any questions, please contact us below

Email: info@winskyslabel.com.

Documents / Resources

	<p>WinSky ST-530 Full Automatic Desktop Positioning Labeling Machine [pdf] Instructions ST-530, ST-530 Full Automatic Desktop Positioning Labeling Machine, Full Automatic Desktop Positioning Labeling Machine, Desktop Positioning Labeling Machine, Labeling Machine</p>
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References

- [WINSKYS - Automatic Bottle Labeler manufacturer Since 2010](#)