



**Compact  
Labelling**

**Compact Labelling Ltd.**

**Manual labelling machine  
Compact - a - Wrap**

---

## Introduction

This manual is designed to provide the knowledge require for the use and maintenance of the Compact – a – Wrap Labeller and to provide the operate assigned to the device with sense of responsibility and knowledge its possibilities and limitations

Comments and corrections are always welcome via compact @ compactlabelling.com

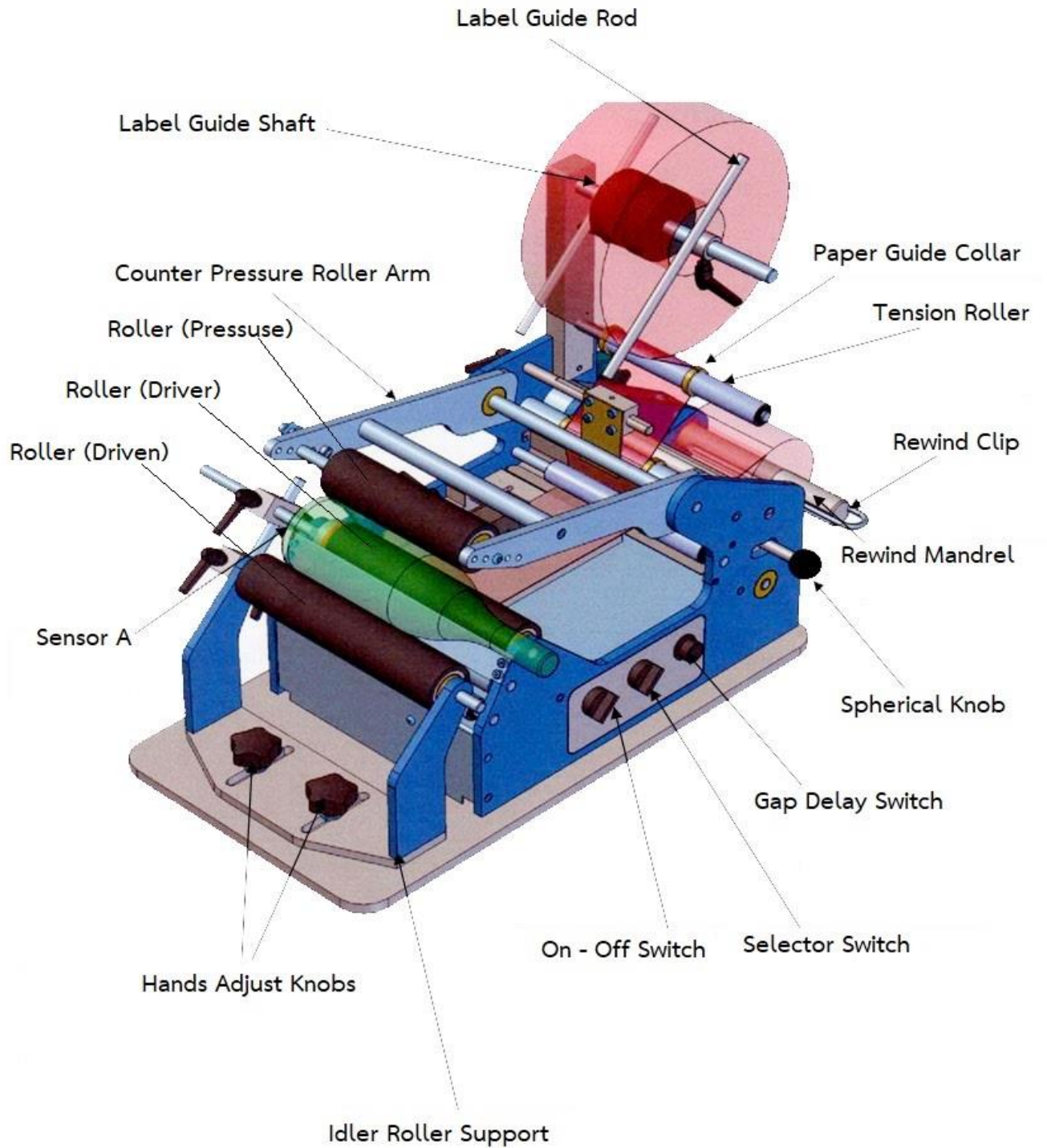


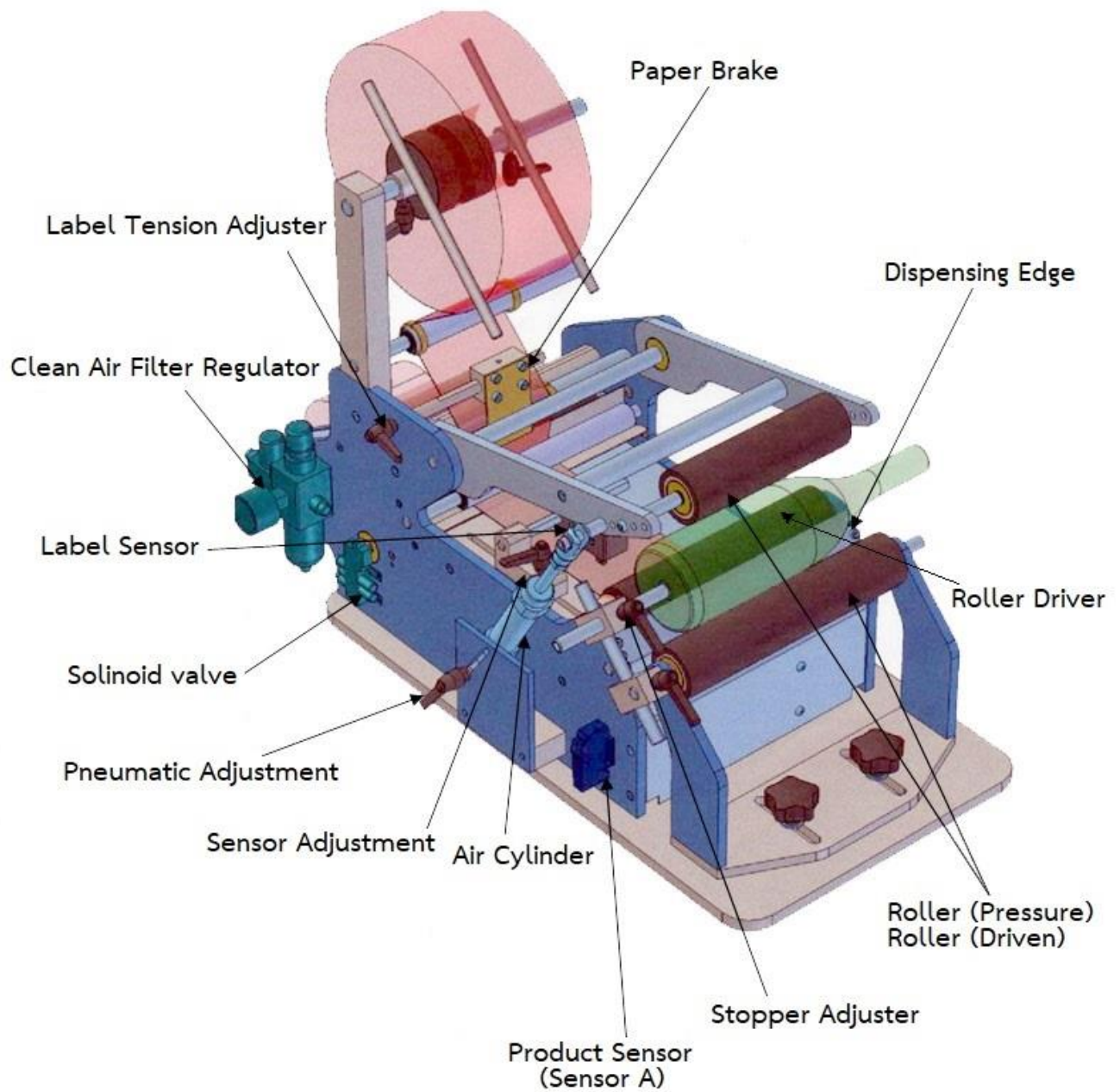
**Compact-a-Wrap**

## Content

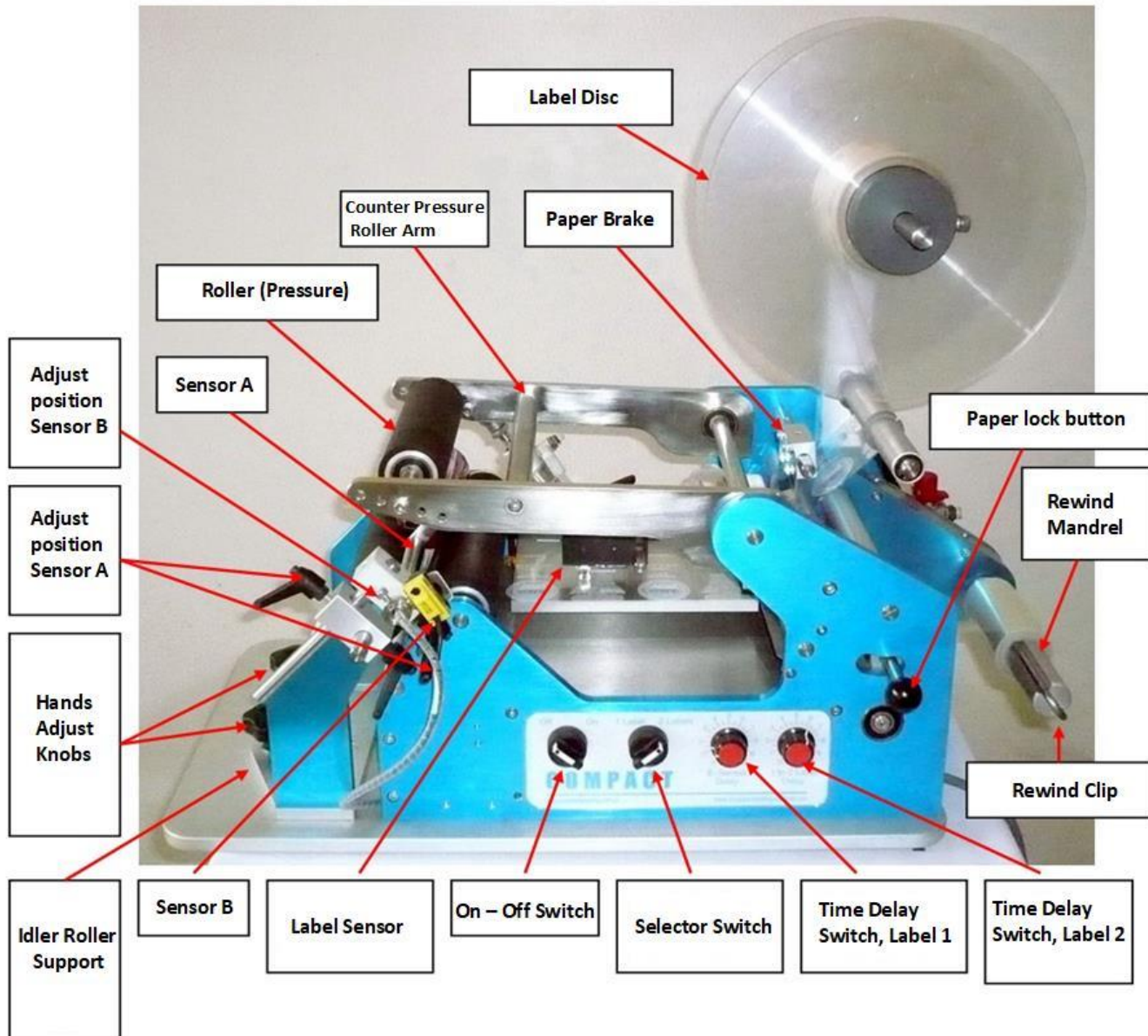
	<b>Page</b>
Image of Compact-a-Wrap	4-7
Indicate unwind direction by number as follows	8
Machine Specification	9
1. Setting the round bottle to the machine	9-11
2. Label Web Diagram	12-22
3. Compact a Wrap, Control Panel	26
4. Sensor A, Setting	27-28
5. Adjust the filling of the label at the end of the iron plate	29-30
6. Adjusting label position	31-32
7. Switching off the Machine	32
Suggestions and Warnings	32
Maintenance	33
Problems and Trouble Shootings	33
Electrical Circuit Diagram	34

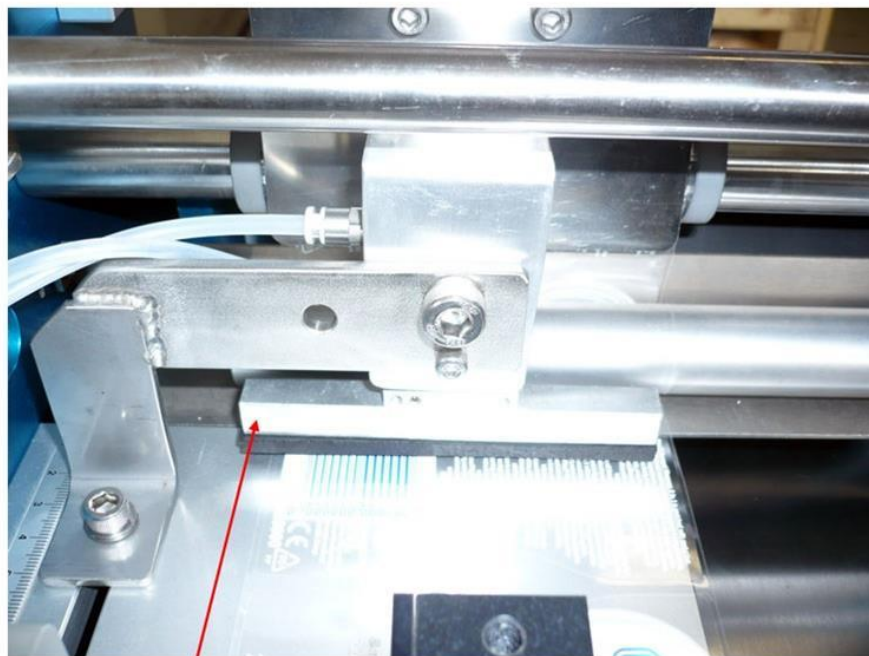
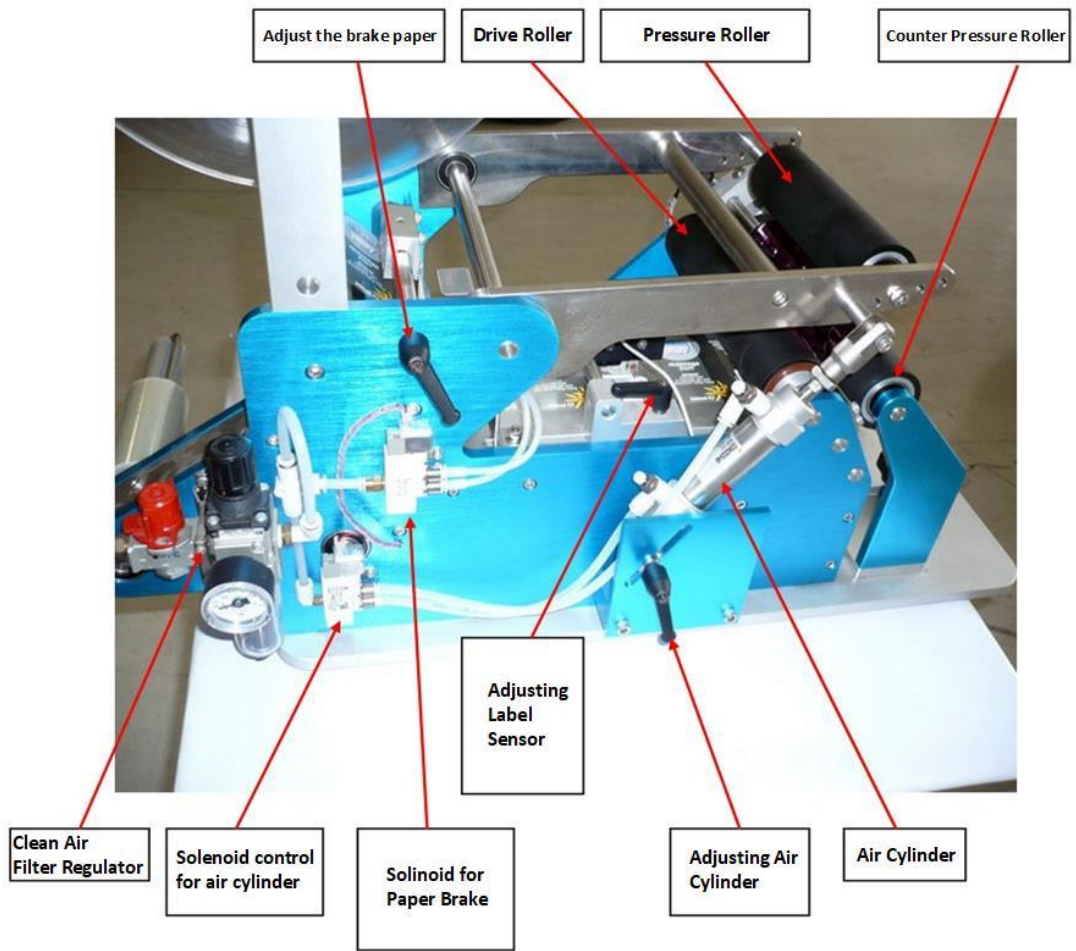
# Compact-a-Wrap





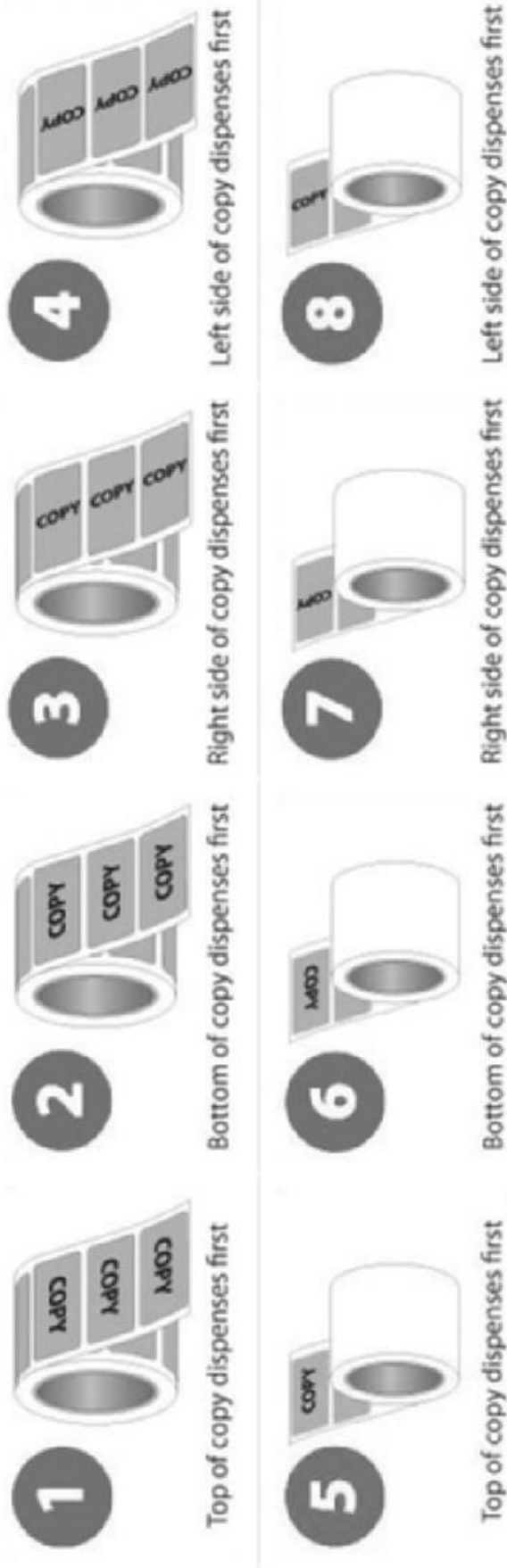
## Compact-a-Wrap





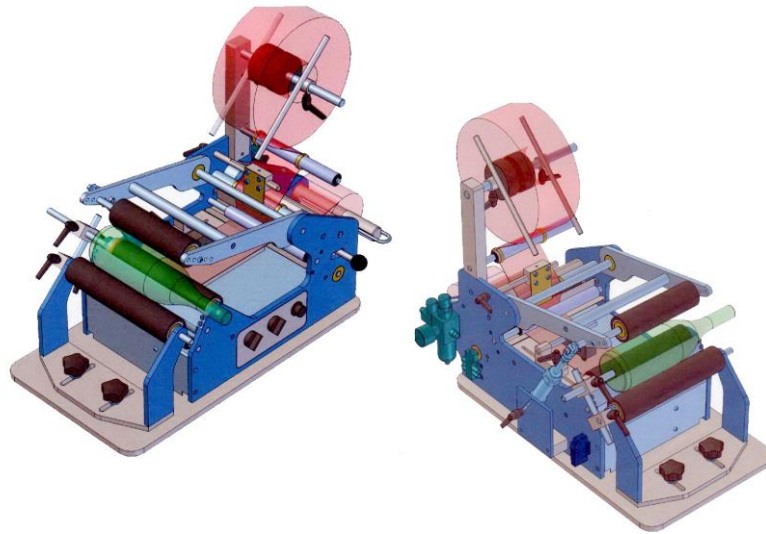
Paper Brake

## Indicate unwind direction by number as follows





## Machine Specification



### Machine Specification

1. Label Roll	Ø 300 mm. (max. O.D.)
2. Label Roll Core	Ø 76 mm. (max. O.D.)
3. Label Width	Ø 180 mm. (7 in. max.)
4. Label Roll Out Direction	Fig.4
5. Machine Dimension	435x700x470 mm.
6. Machine Weight	6.5 Kg. (net)
7. The maximum length of one label is	285 mm (if longer Will be a special model)
8. The maximum height of the bottle is	135 mm.

### Machine Settings & Adjustments

## 1. Setting the round bottle to the machine

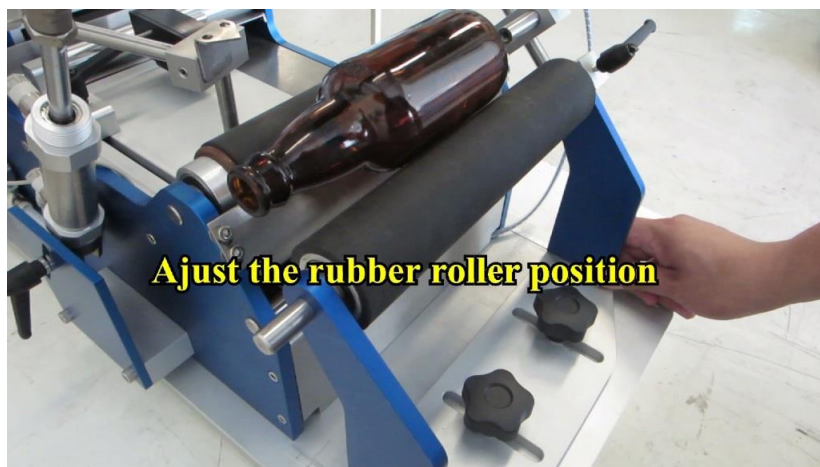
### 1.1 Place a Bottle on the Rollers



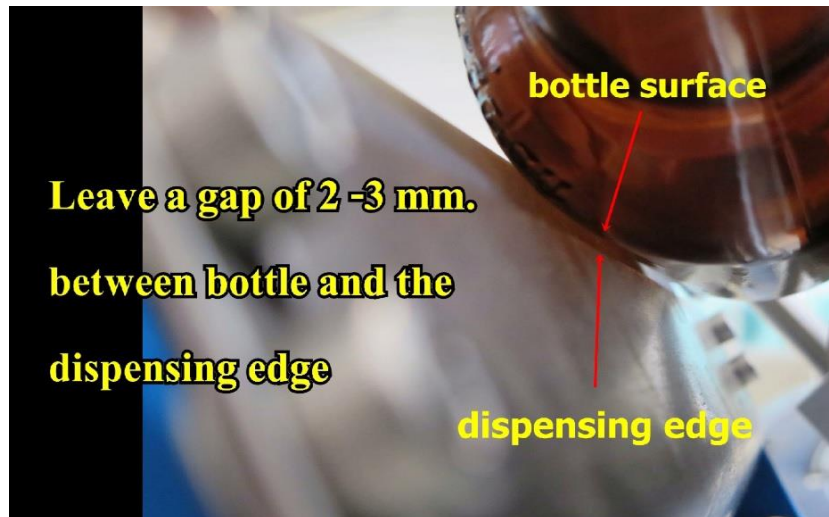
### 1.2 Unscrew the Hand Knobs



### 1.3 Adjust the two Rollers parrels



### 1.4 Leave a Gap 2-3 mm. between the Bottles



1.5 Tighten the Hand Knobs



1.6 Adjust the Stopper (Sensor A)



1.7 Turn Off Air Supply, Loosen Screw then Push Air Cylinder Down



1.8 Press the Air Cylinder a little more, then tighten the Screw

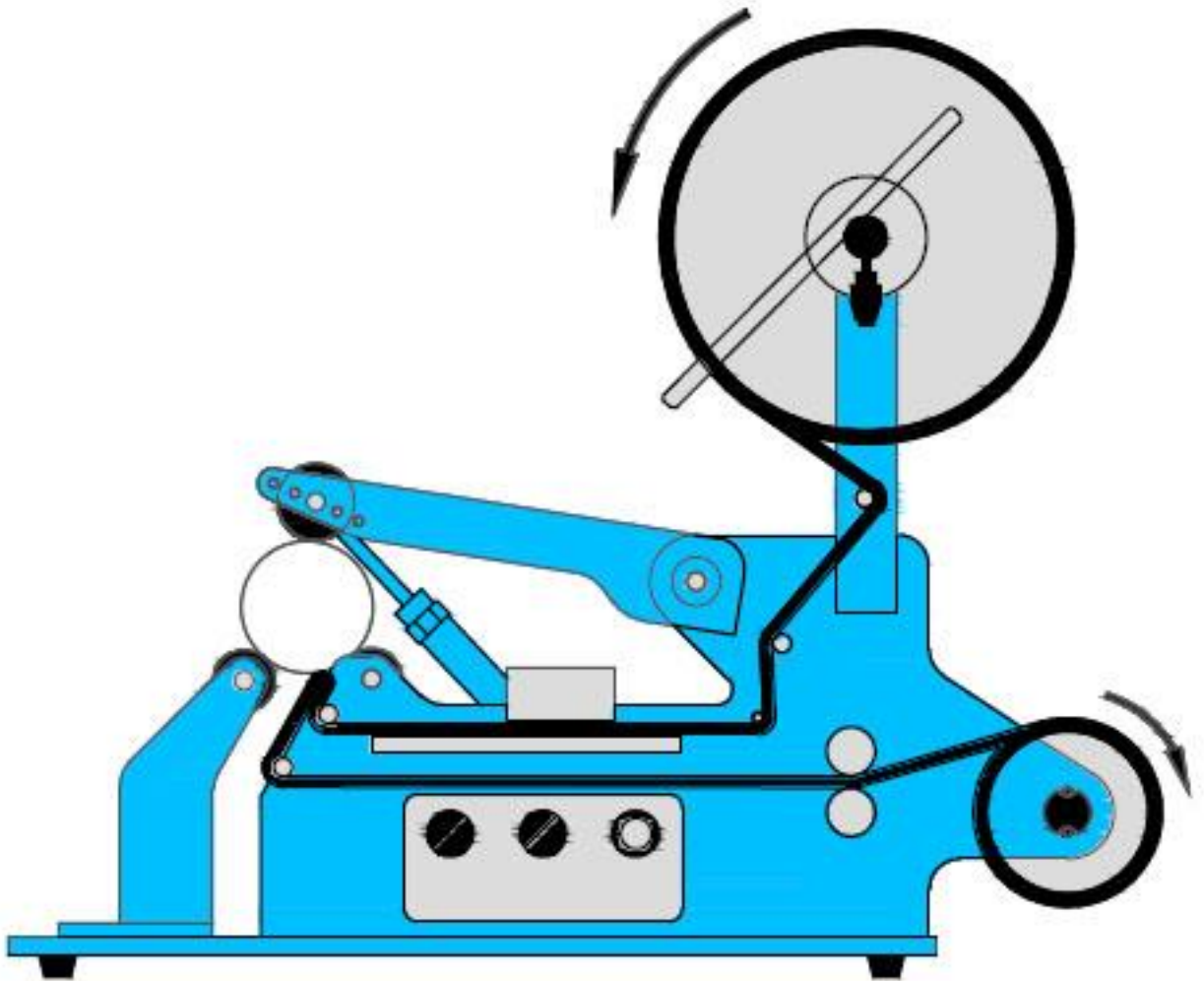


1.9 Connect air tube (6 mm) to the Clean Air Filter Regulator, Pull up the black Knob set the air pressure at 0.2 – 0.3 Mpa then Press down lock up. Ready for use.



## 2. Label Web Diagram

### 2.1 Label Web Diagram



Picture 2.1 Label Web Diagram

2.2 Remove the Label Guide Rod



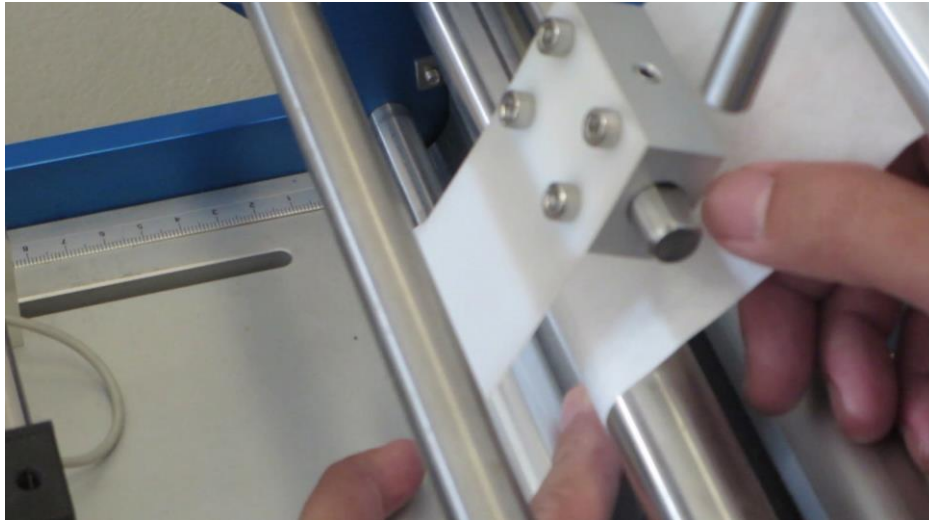
2.3 Place a Label Roll into the Roll Spool



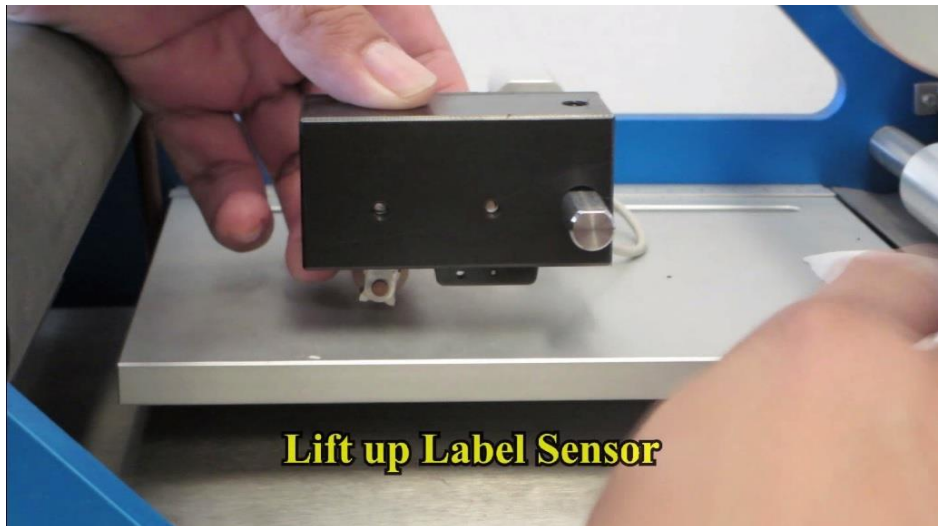
2.4 Replace the Label Guide Rod and tightening



2.5 Insert Label Web through Paper Brake



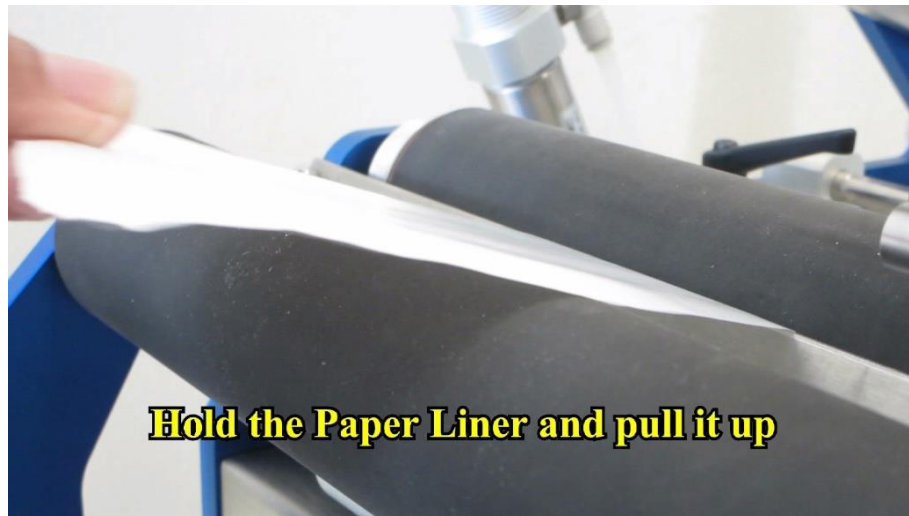
2.6 Lift up Sensor and put through the Label Web



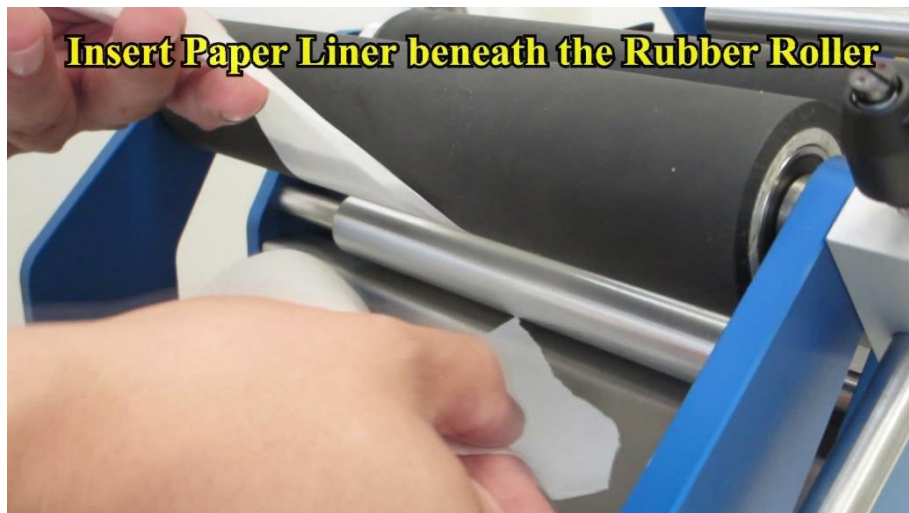
2.7 Insert Label Web under Rollers and up through Dispensing Edge



2.8 Pull up the Backing Paper long enough to wind up at the Rewind Mandrel



2.9 Insert Label Web under the roller





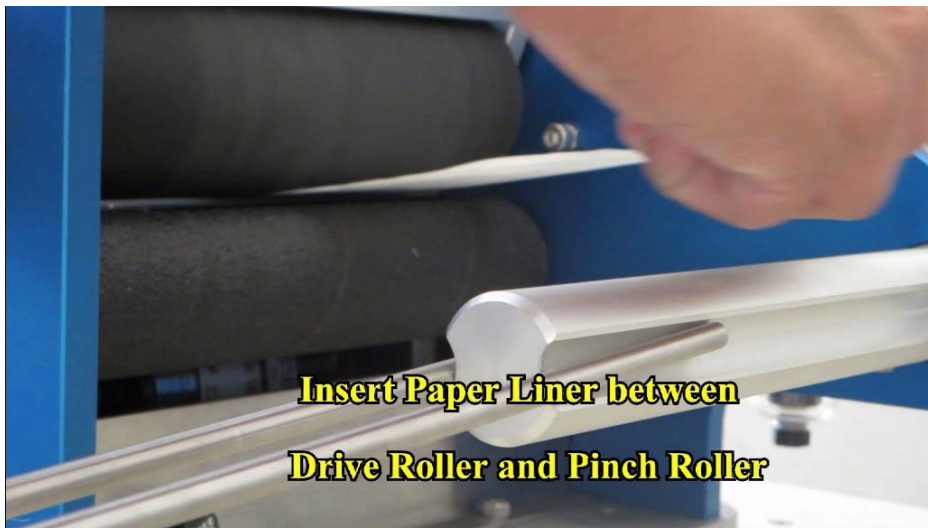
2.10 Insert the Label Web Under the Roller



2.11 Unlock Pinch Roller



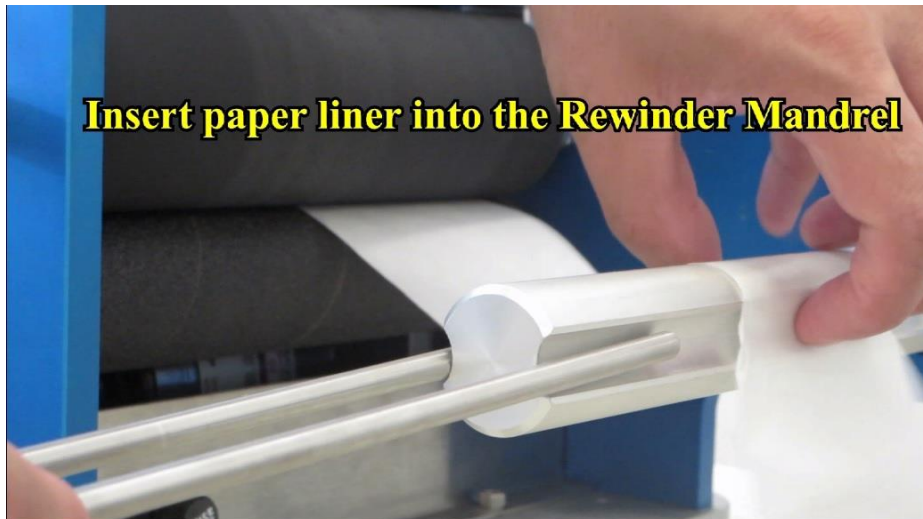
2.12 Insert Label Web under Drive Roller and Pinch Roller



2.13 Lock Pinch Roller



2.14 Roll up Backing Paper into Rewind Mandrel



2.15 Adjust Paper Guide Collars



2.16 Move Paper Brake at the middle of Label width, then Tighten the screws



2.17 Make sure that the Paper Brake is not too tight or too loose



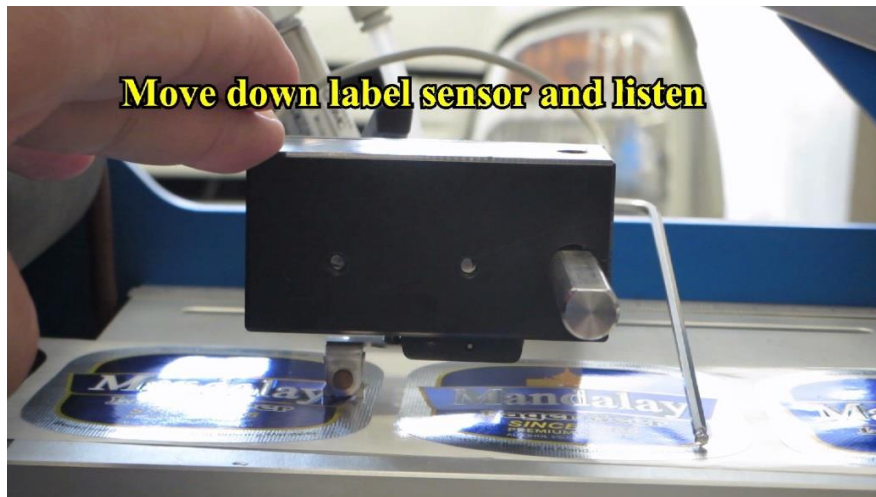
2.18 Adjust the Sensor at the most appropriate on Label Width



2.19 Unscrews



2.20 Press Sensor B down toward the Label until a noise “Click” is heard



2.21 “Click” is the noise that the Sensor activates then send a signal to dispense a Label. The Star Wheel drops on the “Gap” for the next cycle.



2.22 Repeat the previous step again, make sure that “Click” is heard, then tighten the set screw

Remarks

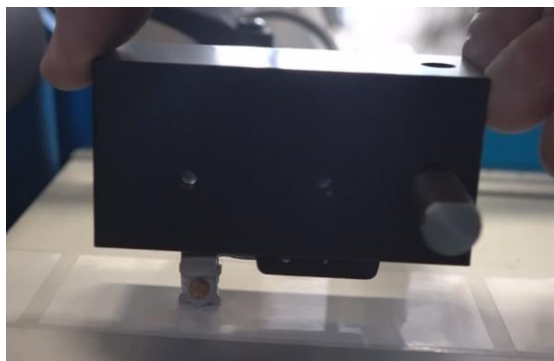
2.22.1 Sensor is set by pushing too much (Sensor does not lift up, no clicking sound when raising it)

2.22.2 Sensor Labels are flipping or rising too much. After a loud "click" sound occurred

In these 2 sub-items it will cause the Sensor to malfunction while running the machine, notice that the label flow does not stop at 2-3 contacts (in the case of a one-point switch) if these problems occur. The label sensor must be set again. Until the system of the machine The label will be dispensed by 1 or 2 stars as selected.



There are 3 type of Sensor



1. Limit Switch for Opaque, Metallic, Clear Label



2. LionEye2 for Opaque, Metallic



3. LRD 6300C for Opaque and Clear Labels

### 2.23 LionEye2 Settings Release Pinch Roller, Rewind the backing paper



### 2.24 until the label "Gap" is centering with Sensor



### 2.25 Press (+) (-) both buttons at the same time for 1 second the LED light will blink, Settings is done.



2.26 Slide the label to match Sensor and press the minus button once until both lights go out.



2.27 Slide the gap With the label to test again, while the Sensor is aligned with the technician empty, the orange light label will be on.



2.28 Don't forget to lock the paperclip. Complete the process of stringing labels You can see more in the machine manual video.



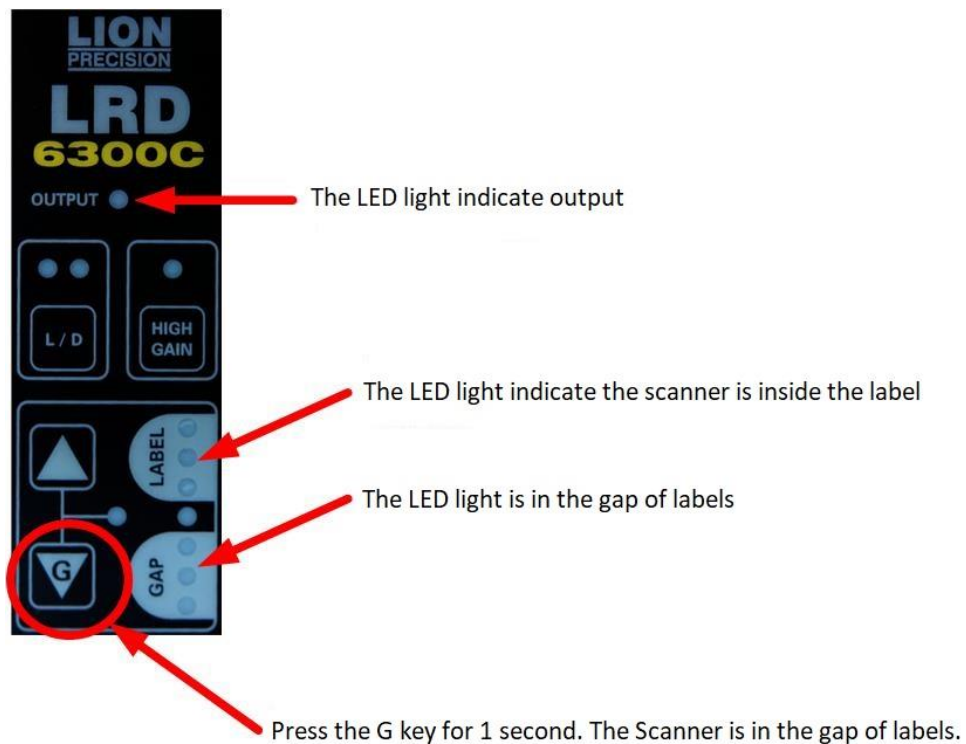
2.29 This Compact-a-Wrap can cover both clear and opaque labels, using the LRD6300 label sensor, which tells you how to set it up.

### LRD 6300C suitable for Opaque and Clear Labels

NOTE: THE LABEL SCANNER SHOULD ONLY NEED TO EVER BE SET ONCE IF YOU HAVE DIFFICULTY OR THE LABELLER IS NOT DISPENSING AS YOU WOULD EXPECT THEN PERFORM THE FOLLOWING PROCEDURE.



- Just to clarify, the label scanner is simply detecting whether there is label present or if what it is seeing is backing paper – therefore; it doesn't matter if the label is different lengths or different material or has different print styles on it, simply place the label roll in the machine and RUN. If you are not getting the dispense position you would expect and you feel the scanner is not detecting the label correctly – then perform the following steps.



### 3. Compact – a – Wrap, Control Panel

#### 3.1 On – Off Switch



#### 3.2 Selector Switch, 1 Label or 2 Labels

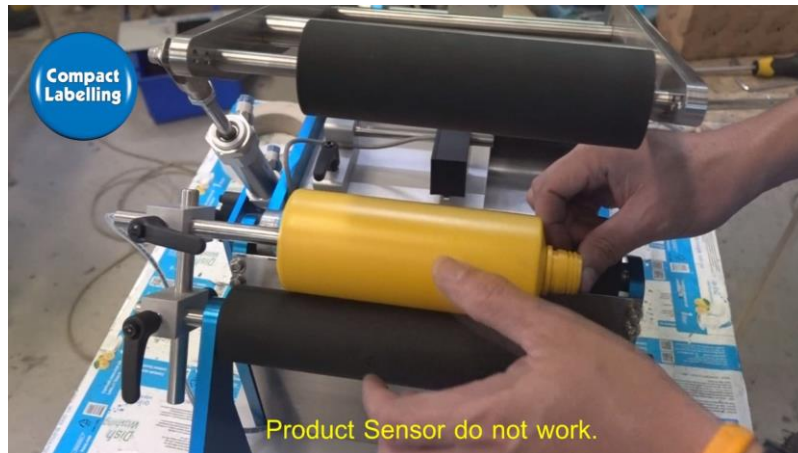


#### 3.3 Delay Time of 1 Label to 2 Label (to be use with 2 Labels only)



#### 4. Sensor A Settings

4.1 If the bottle collides with the sensor and the machine does not work. Will have to adjust the Sensor new, but usually the machine manufacturer Will be set up already at first But if the customer has a new transparent glass bottle, it may have to adjust the intensity of Sensor A because the transparent bottle, Sensor A light intensity is especially weak. (Adjust before laying the label When testing the machine works, it does not stop rotation, reset it by hand pressing the Label Sensor)



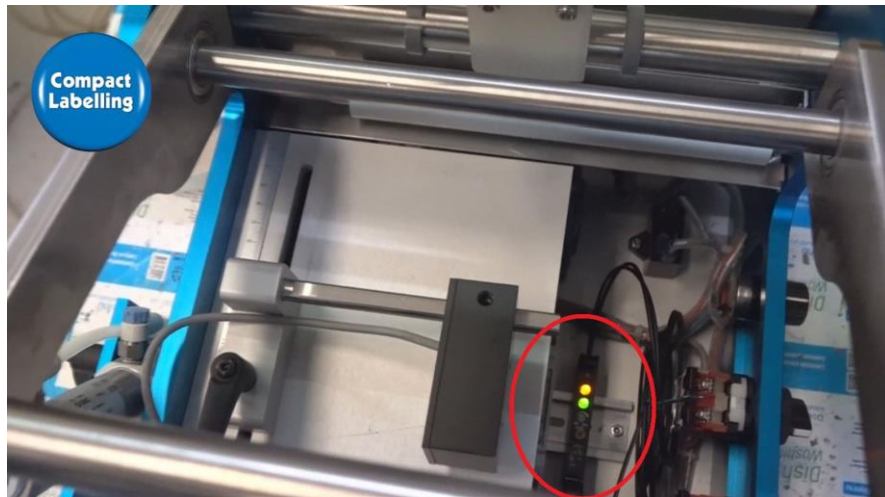
4.2 Remove the stainless steel plate cover. There are 2 removable screws.



4.3 Remove stainless sheet out.



4.4 Will see the Sensor A setting located inside the machine



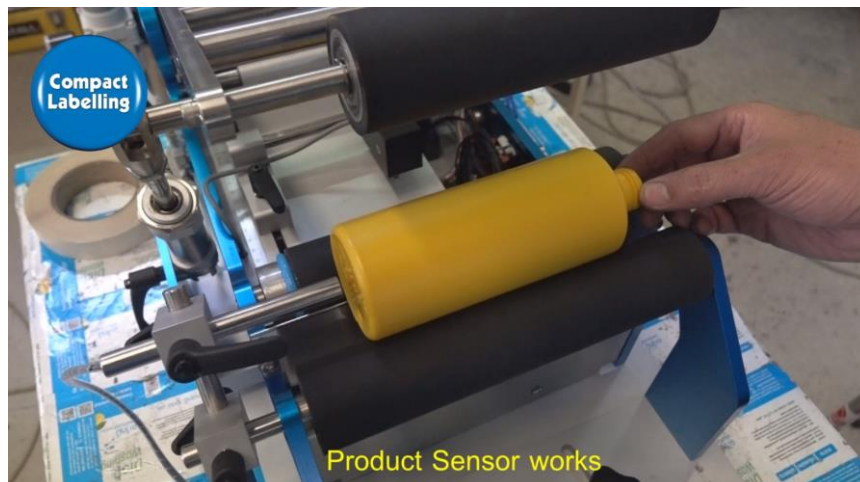
4.5 Use a screwdriver to adjust it according to the picture. Rotate the yellow circle mark (red arrow) as shown below.

4.5.1 Turn the screwdriver clockwise to adjust the sensor light intensity if the setting is too high when placing the bottle away from the sensor. The machine will work immediately. (Which shouldn't be like this

4.5.2 Turn the screwdriver counterclockwise, adjust the weak Sensor light if the adjustment is too weak Time to put the bottle. The machine will not work (Sensor A does not read the bottle).

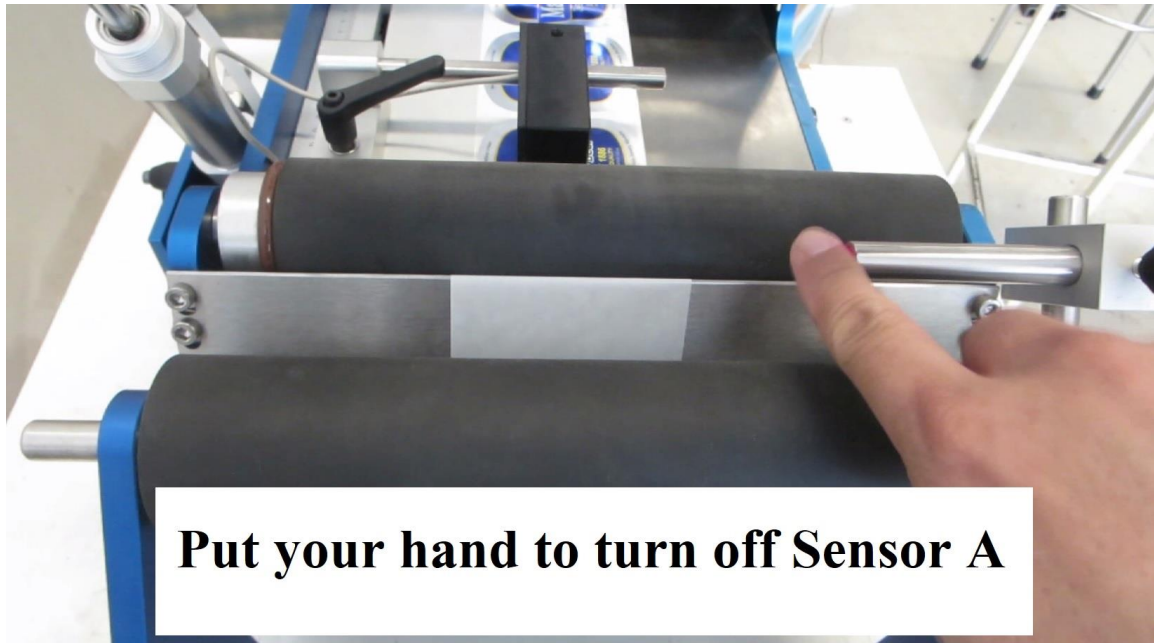
Therefore, when adjusting the intensity, start from Turn the screwdriver until it stops counterclockwise. Until unable to place the bottle and then work, then adjust the intensity by turning the needle one by one, then test the bottle to hit the Sensor A axis, then the machine works.

4.6 The distance that the bottle meets the Sensor A axis should be a distance of 2-3 mm for the machine to work. Sensor A, but in practice, the user must place the bottle against the axis of Sensor A for the high-low position of Correct label



## 5 Adjust the filing of the label at the end of the iron plate

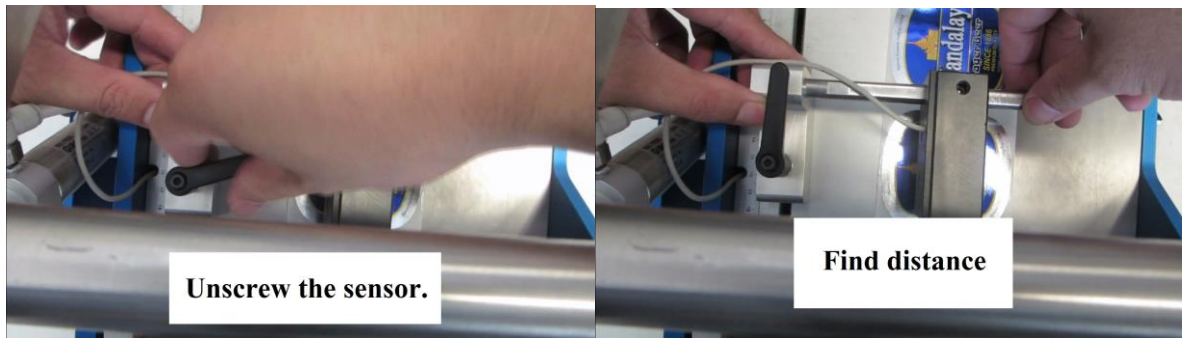
5.1 Adjust the filing of the tip of the label Suitable position The end of the label should be filed. Come out from the end of the label plate about 2-3 mm. Check the protrusion of the end of the label. That it is in accordance with this or not This step should first turn off the wind device. Then use your fingers to cover Sensor A to make the machine work Release one label to see the protrusion of the astral label.



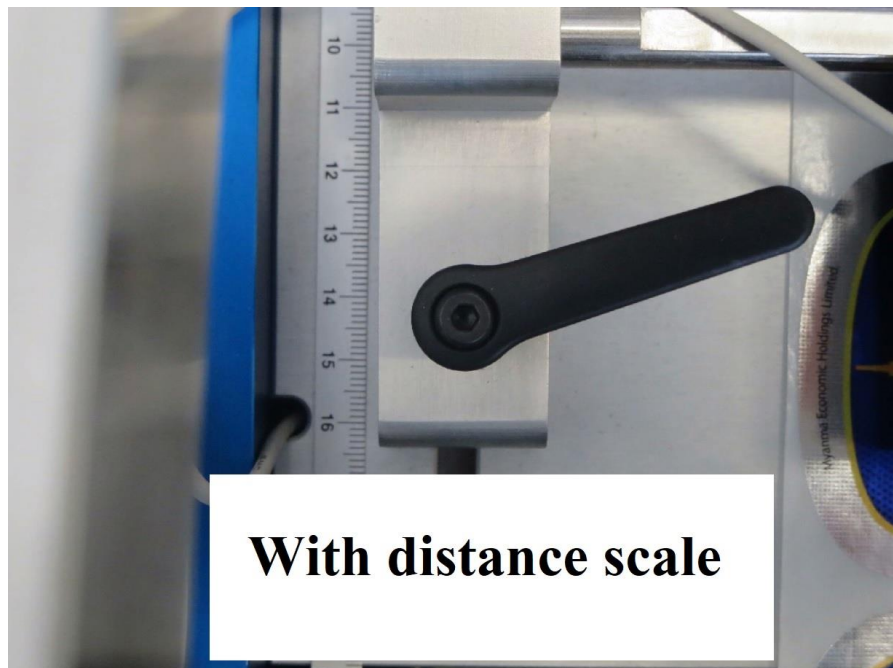
### 5.2 Too much



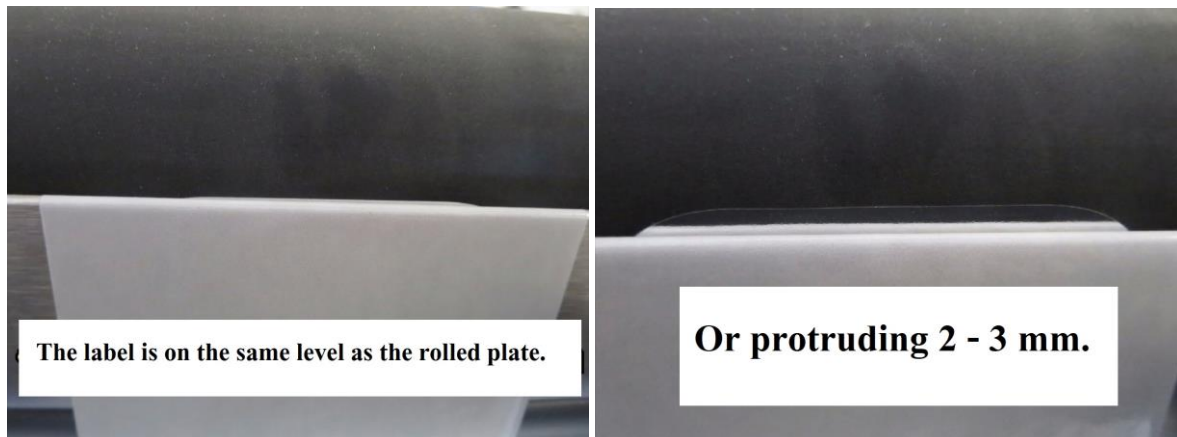
5.3 Loosen the Sensor screw and sliding the sensor back to the correct Position. Then tightening the screw.



5.4 Scale Indication

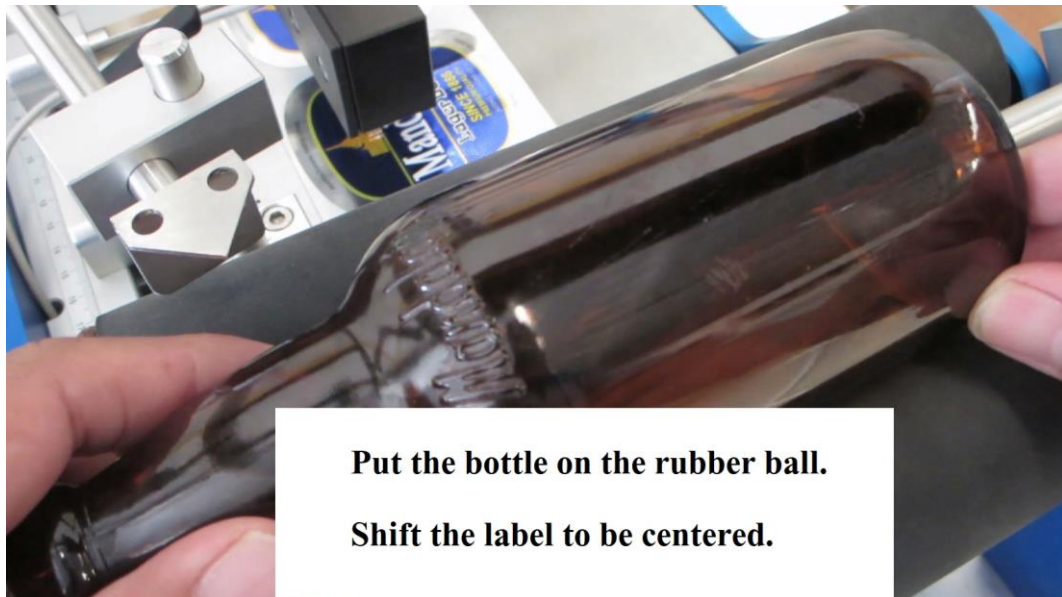


5.5 Now cover Sensor A again to release 1 label so that the label is at the same level as the iron sheet.  
Or protruding at least 2 - 3 mm. If not Make adjustments to the new label Sensor.

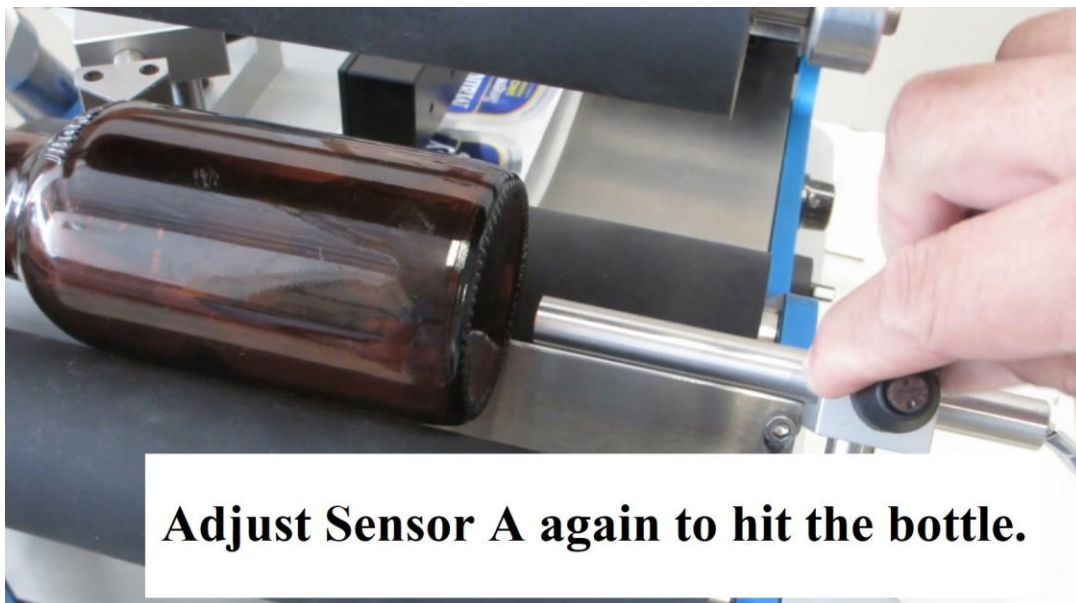


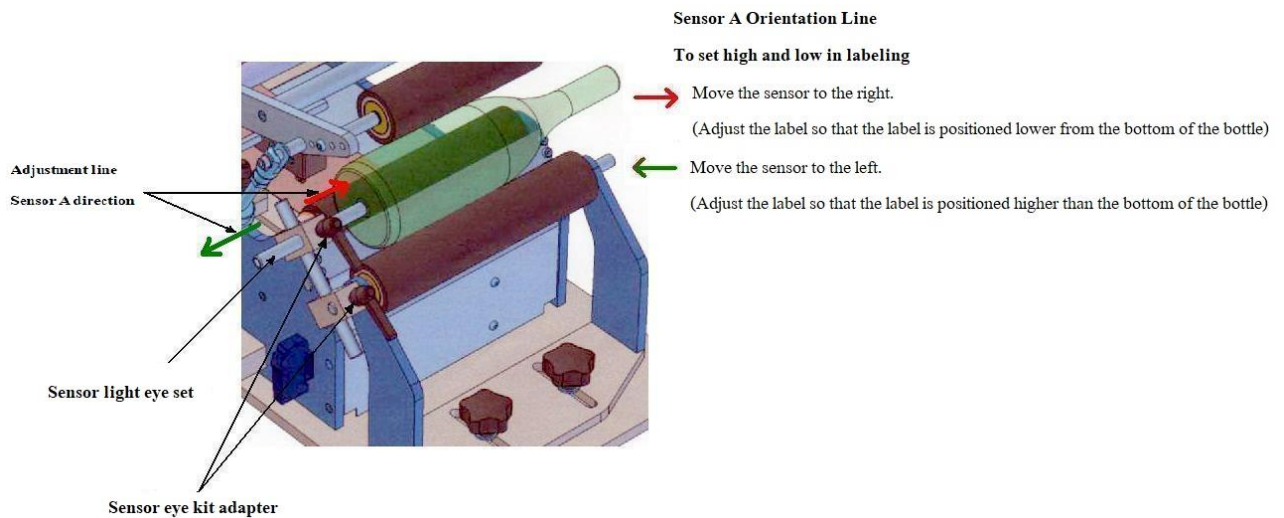
## 6.Adjusting label position

6.1 Place bottle onto Adjustable Product Roller, Ensure the label is



6.2 Loosen the Screw and sliding Sensor A to touch the bottom of bottle.





6.3 Move the Sensor A eye unit to the right to adjust the label to a lower position from the bottom of the bottle.

6.4 Move the Sensor A eye unit to the left to adjust the label to a higher position from the bottom of the bottle.

**Then turn on the Air Supply and operating the machine.**

## 7. Switching off the Machine

7.1 Close the pneumatic service kit valve. By turning the valve clockwise to number 0

7.2 Turn off the OFF Switch

7.3 Release the lock roller of the label roller and the sandpaper roller apart.

### **Suggestims warning**

- When placing bottle onto the Machine, Slide the bottom of bottle to tousle the Sen A
- While there is no bottle body, place it into Sensor A while the power is on and the air is running.

Do not put fingers or materials through Sensor A, it can be dangerous because when the system is working. By receiving a signal from Sensor A, the system will order The air cylinder is pressed down. Can be dangerous to the hand When the machine is stopped or not used Turn off the power switch immediately. For safety



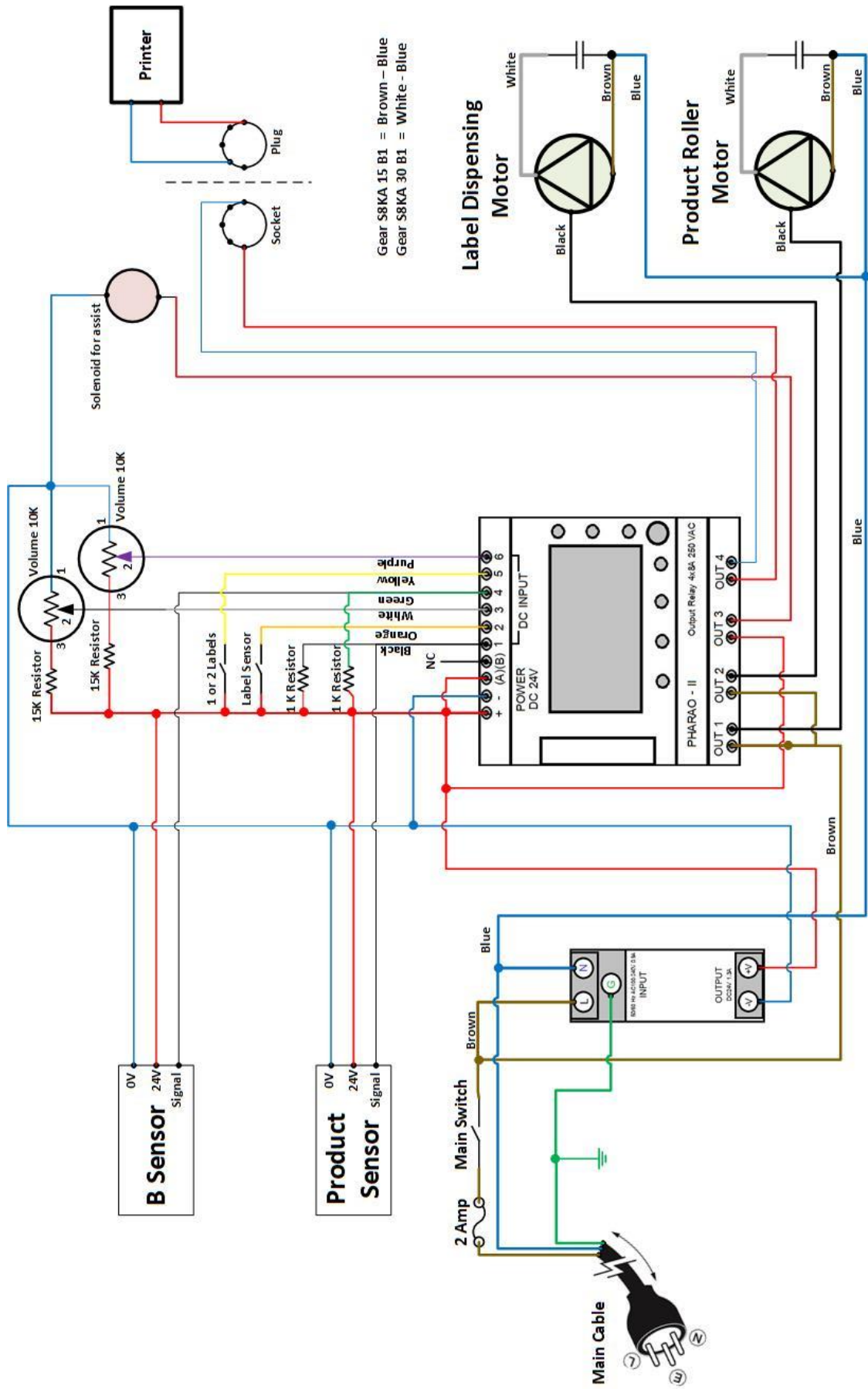
## Machine maintenance

While the machine and air supply is on . Do not put your hand or anything.

### Problems and trouble shoot

Problem	Possible Solution
1. The label is not tight.	<ul style="list-style-type: none"><li>- To see that the rubber ball set is locked or not.</li><li>- Look at the label brake that press the label against the roller set. Then or not</li><li>- Look at the paper collector to make sure that the paper roll is taut. Or not yet</li></ul>
2. Machine doesn't work	<ul style="list-style-type: none"><li>- Look at the power outlet or not.</li><li>- See if the switch is On or not.</li><li>- To see if the fuse blows or not.</li></ul>
3. Misaligned Labels	<ul style="list-style-type: none"><li>- Make sure that the label extends evenly from the end of the rolled sheet. Or not</li><li>- Check the label brake stopper whether it is pressed against the label or not, or is too loose or too tight against the label. Make adjustments to the new settings</li><li>- Check the label height position. Whether level or not; if not, adjust the label at different points</li></ul>
4. Blistering or wrinkling of Label	<ul style="list-style-type: none"><li>- Check the pressure of the air cylinder.</li><li>- Check the air pressure should be 2-3 bar.</li><li>- Check the parallelism of the roller base adjuster.</li><li>- Check the contact angles of the roller on both sides of the product.</li></ul>
5. Labels continually feed.	<ul style="list-style-type: none"><li>- To adjust the weight of the pressure of the sensor check New label gap</li></ul>





**Compact @ Wrap**



**Company address**

**Compact Labeling (Thailand) Co., Ltd.**  
**75/20 Moo 11 MMC FACTORY Soi 1**  
**Phaholyothin Road Km.44, Klong Nueng Subdistrict**  
**Khlong Luang District Pathumthani 12120**  
**Call. 66 2529 0181**  
**Mr. Montri: 093 662 5156**  
**E-mail: [montri@compactlabelling.com](mailto:montri@compactlabelling.com)**

**[www.compactlabelling.com](http://www.compactlabelling.com)**  
**[www.compact – labelling.com](http://www.compact – labelling.com)**