

## Summary





The machine can attach the label exactly on the cylindrical containers.

Principle of operation is that it hang the label printed on hanger and put the bottle on both rollers and push the foot switch. And then label comes out one by one and is attached on object.

In some case, it can put the two labels at one object. The distance of both labels can be adjusted easily.

It can print manufactured date, lot number, expiry date when the hot printer option is selected.

## Safety Instructions

-  · If the machine is not in use for over two hours, the manufacturer recommends that the machine be turned off.
-  · Always switch off the machine and disconnect the electric power cord before undertaking maintenance or cleaning of the machine.
-  · Do not attempt maintenance of the machine unless specifically instructed to do so by this manual or by the distributor. Doing so may render your warranty void.
-  · Don't touch the machine with wet hand.

# Unpacking

What did you receive?

Your label boy I includes following articles:

- ⊙ LABEL BOY I
- ⊙ POWER CORD
- ⊙ FOOT SWITCH
- ⊙ MANUAL

If any of the above articles are missing, kindly notify your local distributor.

## Unpacking

1. Take off the cover of carton box or wooden box with tool.
2. Take out the label boy from box by removing cushion to protect.
3. It need two persons to hold the bottom of machine.

## Specifications

Power -----	100, 110, 120, 220, 240VAC (setting up the electricity required )
Machine length-----	22.0 " /56 Cm
Machine width-----	12.9 " /33 Cm
Machine height-----	21.2 " /54Cm
Net weight-----	20kgs
Fuse-----	3A

### Label Size:

Max: 150(W) X 230(L)mm

Min: 10(W) X 20(L)mm

### Object Size:

MAX:  $\Phi$  90mm

MIN:  $\Phi$  14mm

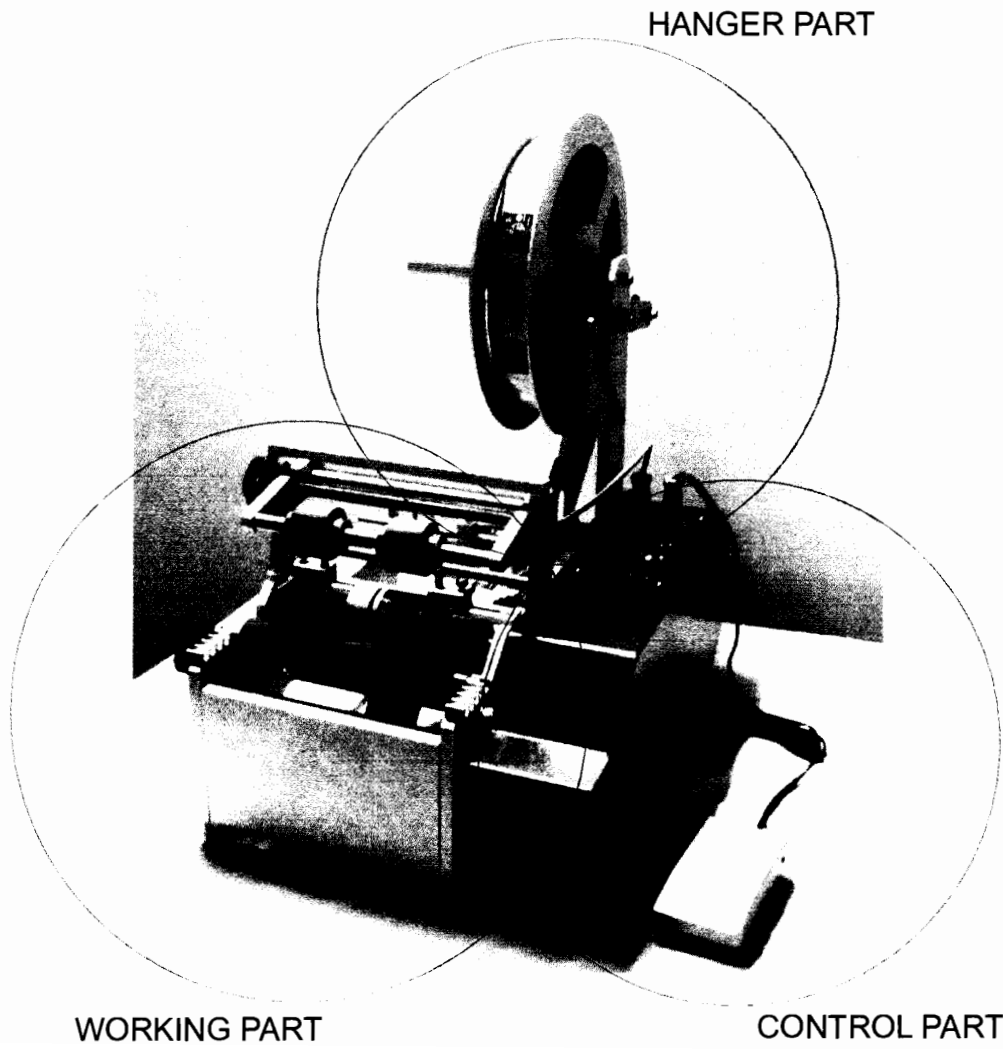
## Spare parts

Label boy is typically sufficient for the effective and safe operation of the machine without spare parts.

In case of running out the fuse, exchange the fuse which is in fuse box.

(P10, picture2)

# Machine layout



# Installation

## Installation space:

Place the machine on a steady and level worktable that can hold a minimum weight capacity of 30kg.

The machine should stand on the dry surface to put the foot switch.

## Notice:

It should be clear around the machine to carry on and carry down the object.

## Machine carriage

It should be attention to move the machine.

The label guide keep the label not to move and it need two persons to hold the bottom of the machine.

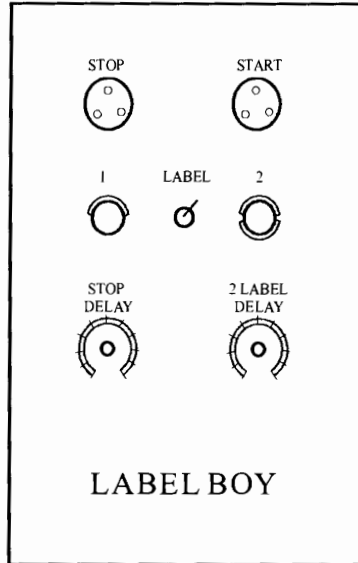
## Notice:

Ask to distributor if label is too thick or thin.

The gap of labels should be minimum 3mm(for sensing label one by one).

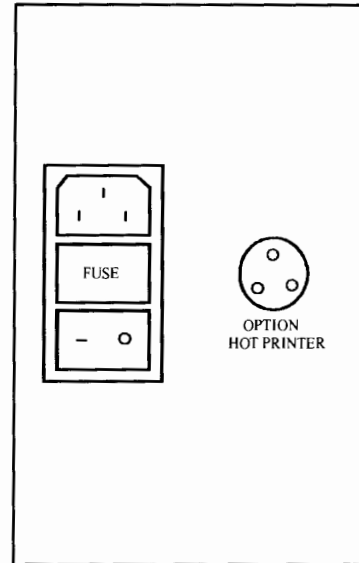
# Control panel

Front side



Picture1

Back side



Picture2

Panel key	Function mode
Stop	To connect stop sensor which sense gap between labels.
Start	To connect foot s/w for starting work.
Label	Select one or two labels for one object. Two label mean Front and Back labelling
Stop delay	Adjust time to turn around the bottle drive roller(B10) after put the label.
2 Label delay	Adjust the distance from first label to second label. (Front and Back label)
Power, AC IN	Power on and off , connect power code.
Option Hot priner	To connect optional hot printer which print Lot No, manufactured date, expiry date, etc.

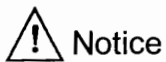
# Operation

## Connecting the power source

Plug-in the machine to an outlet with the required voltage.

Turn the power on by using the on/off switch located at the back of the machine.

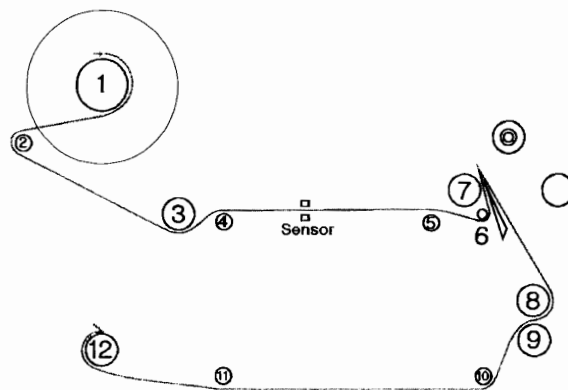
(See P10, picture2)



### Notice

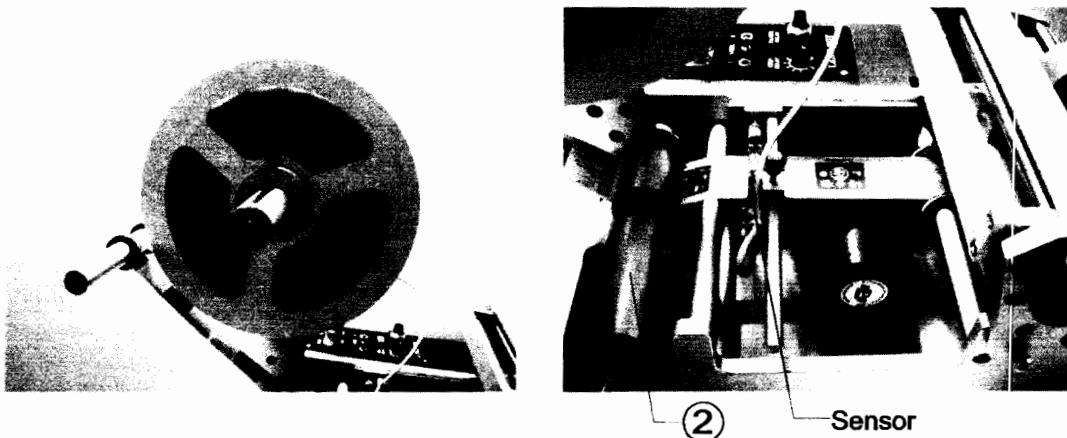
The machine must always be turned off during threading.

## Procedure of label setting



PROCEDURE OF LABEL SETTING (Picture3)

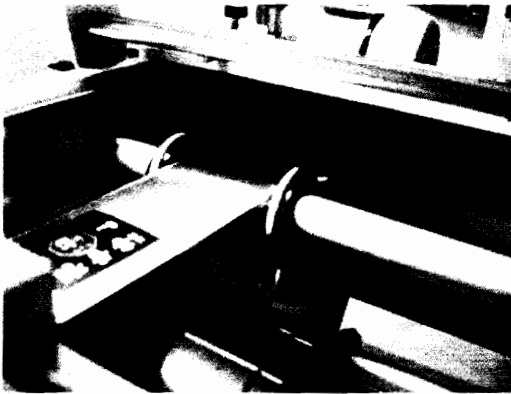
1. Slide outside roll guide (1) out of roll hanger. Push label roll into roll hanger. Location of roll guide(1)and label roll depends on the size of label.



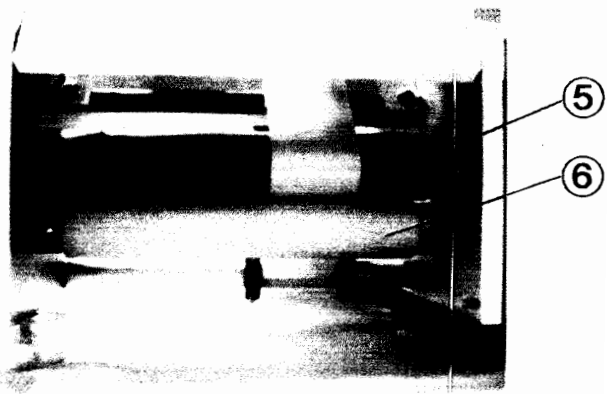
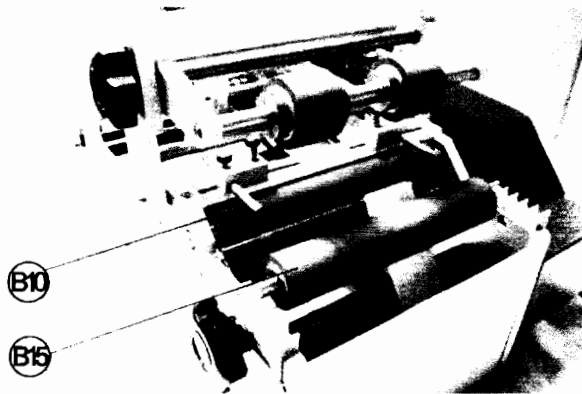
2. Thread leading end of label under the roller(2) and sensor.



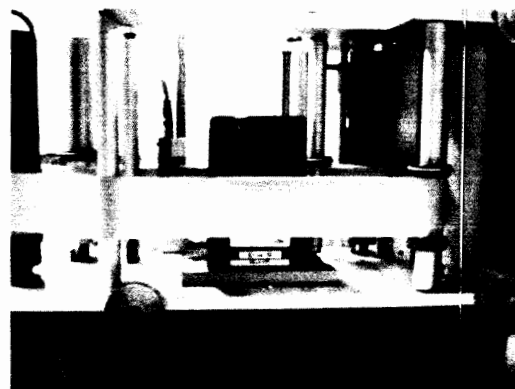
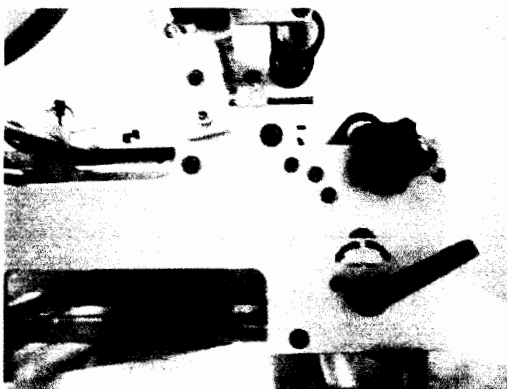
3. Feed it under silicon roller(B10). It will feed up between this roller(B10) and the dispensing plate.



4. Pull out approximately 200mm of labels.

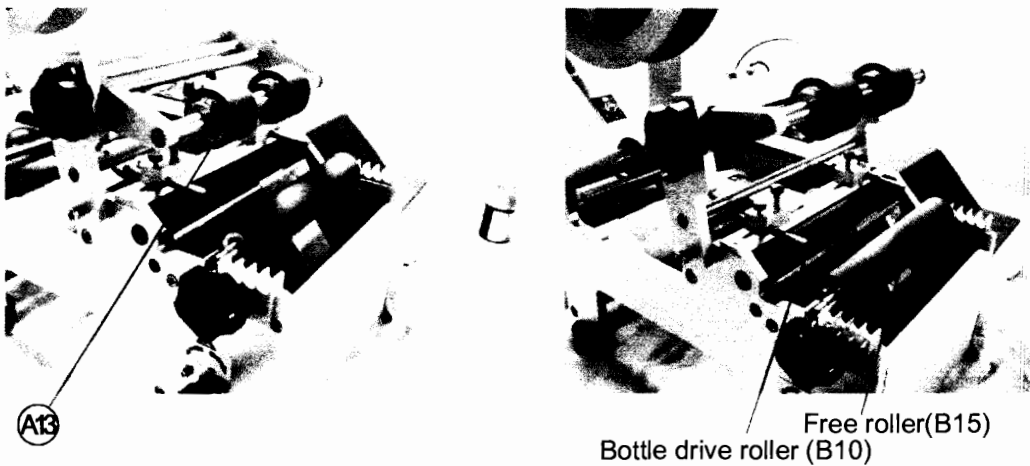
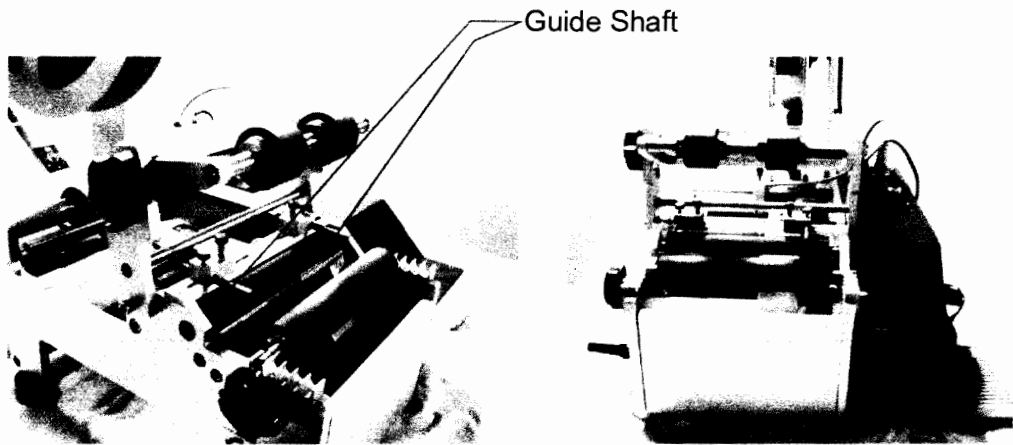


5. The position of the hand lever on the left side of the machine should be "open". This release the tension between the silicon roller(5) and the grip roller(6) and it make label pass thru easily.



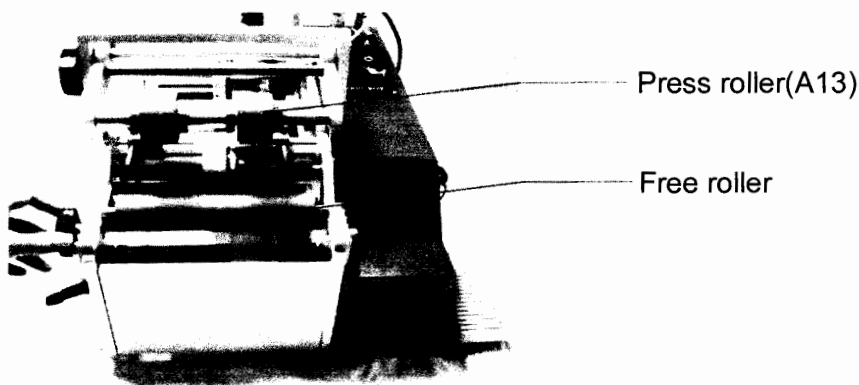
6. The label can be passed thru between these rollers and grip leading end into the groove in rewinder(7).

5. Adjust guide shaft(one or two) for position of object.



6. Adjusting the height of press roller(A13) is

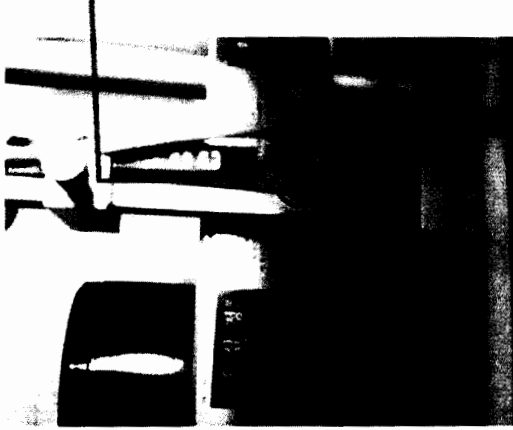
- (1) Place bottle between 3,4 rollers.
- (2) Untie knob.
- (3) Pull(A8) press plate bracket until press roller(A13) press enough the bottle.
- (4) Tie knob tightly.



7. Adjust position of press roller(A13) to the middle of label or middle of the bottles.


- Sensor position -

1. The gap between label and label should be minimum 3mm.




2. Sensor have to be place just on the label gap.
3. Switch "on" the power and push the foot s/w, and see the edge of next label just protruding.
4. Proper label adjustment is 1mm comes out from dispensing plate.

## Label setting

 Take notice to put the label on exact location of object.

1. Setting label hanger inside first.
2. Push label roll into roll hanger.
3. Push the outside label hanger.
4. Setting the label (picture3, p11).
5. Put on the object between the rollers(B10) and roller(B15) as the size of object.

 6. Adjust proper distance between object(bottle) and dispensing plate.  
Not far not too near.

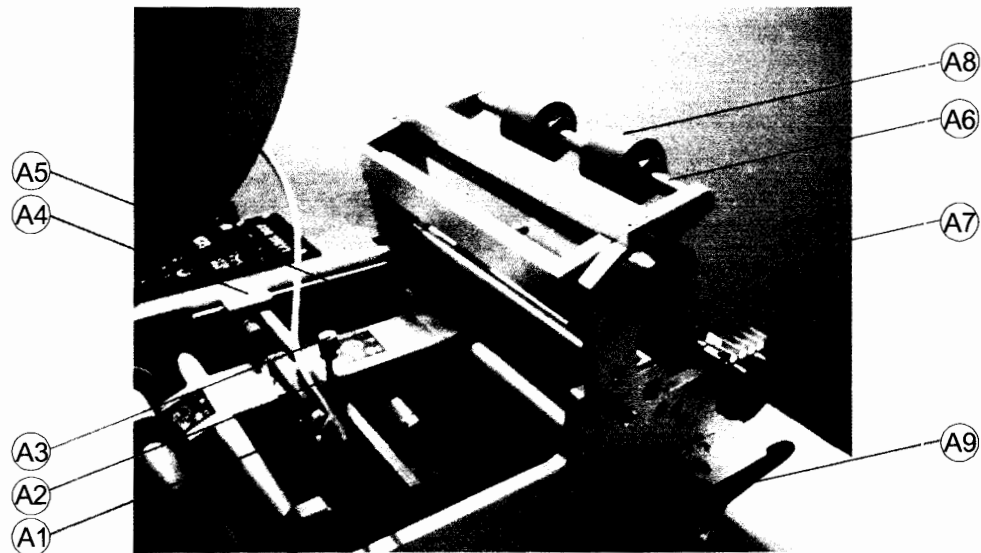
7. Push the foot s/w.
8. Adjust the exact position with looking labelled position on bottles.
9. Set guide shaft to proper position.

# Trouble shooting

TROUBLE	SHOOTING
Machine does not start	<ul style="list-style-type: none"> <li>· Check if power cord is not connected to the machine and power outlet.</li> <li>· Check if the fuse is blown. Remove fuse from back panel, replace if necessary.</li> <li>· Check start connector on front pannel.</li> </ul>
Label does not advance or label does advance continually	<ul style="list-style-type: none"> <li>· Referring to the threading diagram, check if the label is properly threaded into the machine.</li> <li>· Check if label drive roller(B13) and adjust drive roller(B15) are tighten and parallel.</li> <li>· Check if label is inserted between idle roller (B11) and dispensing plate(B12).</li> <li>· Check if limit s/w is not working cause of being pressed.</li> <li>· Check if label press urethane(B19) is too pressed.</li> </ul>
Label does not put on exact position	<ul style="list-style-type: none"> <li>· Check if label is setting correctly on label hanger.</li> <li>· Check there is space between label guides and label.</li> <li>· Check if bottle guide shaft mounting block(B6) is fixed properly.</li> <li>· Check the bottle drive roller(B10) and adjusting drive roller(B13, B15) are parallel.</li> </ul>
Back paper is not rewinding	<ul style="list-style-type: none"> <li>· Check if the back paper comes out.</li> <li>· Check if back paper is fixed into the pin of rewinder roller(C16).</li> <li>· Check if uretain ring(C13) which is in control case is blown.</li> </ul>
Solenoid is not working	<ul style="list-style-type: none"> <li>· Check the power cord is connected to the machine.</li> <li>· Check the start connector is connected.</li> <li>· Check the part of label press ass'y is inclined in advance.</li> <li>· Check if the bolt of solenoid mounting block (C2) is tighten.</li> <li>· Check if spring(C13) is blown.</li> </ul>
The others	<ul style="list-style-type: none"> <li>· Ask to distributor or manufacturer.</li> </ul>

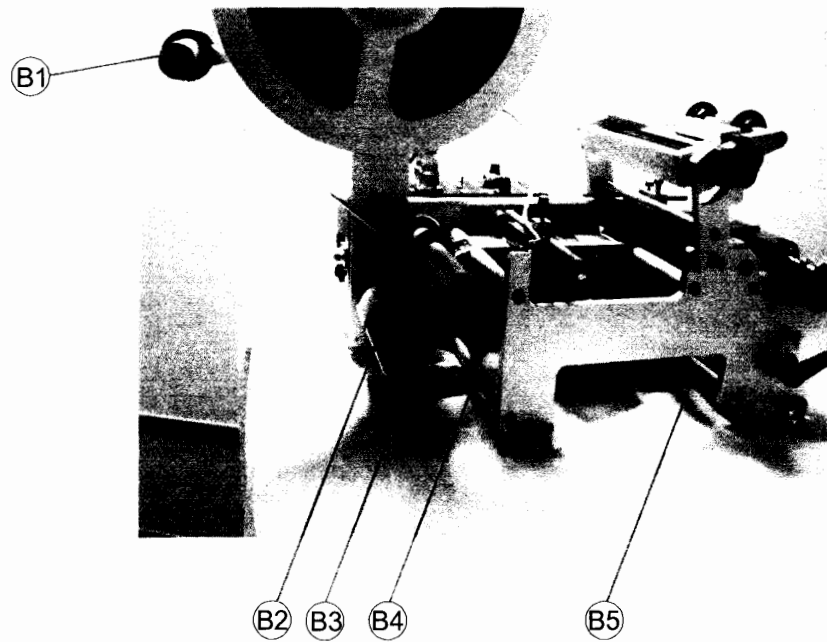
# Parts list

## Label press ass'y



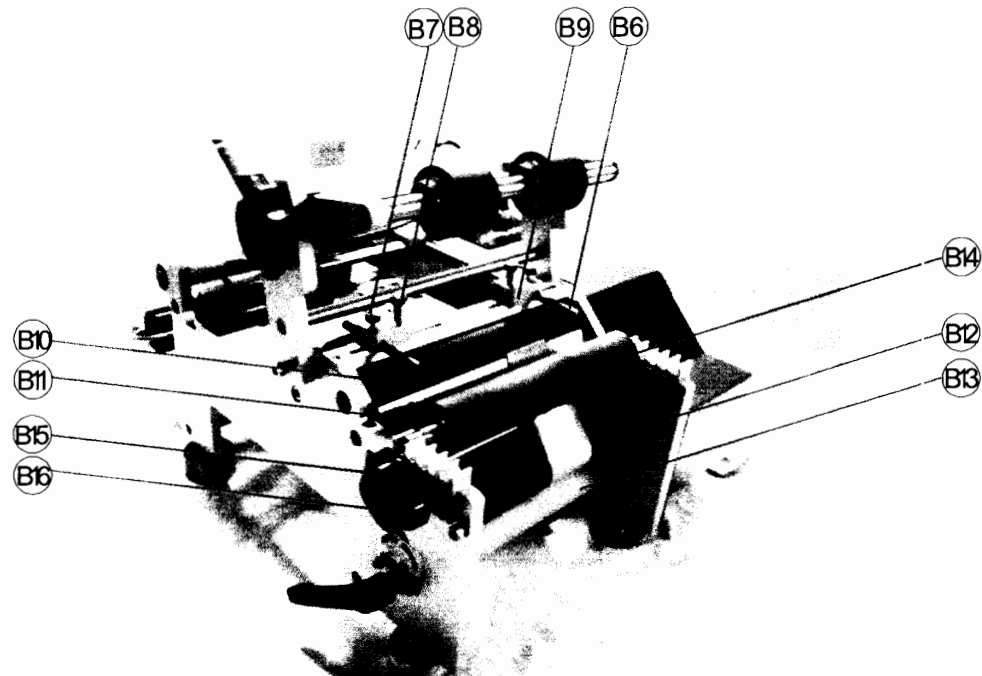
- A1. STOP SENSOR
- A2. STOP SENSOR BRACKET
- A3. SENSOR GUIDE KNOB
- A4. SENSOR POSITION BRACKET
- A5. SENSOR POSITION RAIL
- A6. BRASS BOOTHING
- A7. PRESS ROLLER ADJUSTMENT KNOB
- A8. PRESS SILICON ROLLER
- A9. PRESSURE PLASTIC KNOB

## Label set up part I



- B1. LABEL TENSION ADJUSTING ROLLER
- B2. REWINDER
- B3. U-PIN
- B4. AL IDLE ROLLER2
- B5. AL IDLE ROLLER 1

## Label set up part II



- B6. BOTTLE GUIDE SHAFT
- B7. BOTTLE GUIDE SHAFT KNOB
- B8. GUIDE BLOCK KNOB
- B9. BOTTLE GUIDE BLOCK
- B10. BOTTLE DRIVE SILICON ROLLER
- B11. DISPENSING PLATE
- B12. LABEL DRIVE ROLLER
- B13. GRIP ROLLER
- B14. WIDTH ADJUSTING SILICON ROLLER
- B15. WIDTH ADJUSTING AL BRACKET
- B16. PLASTIC KNOB