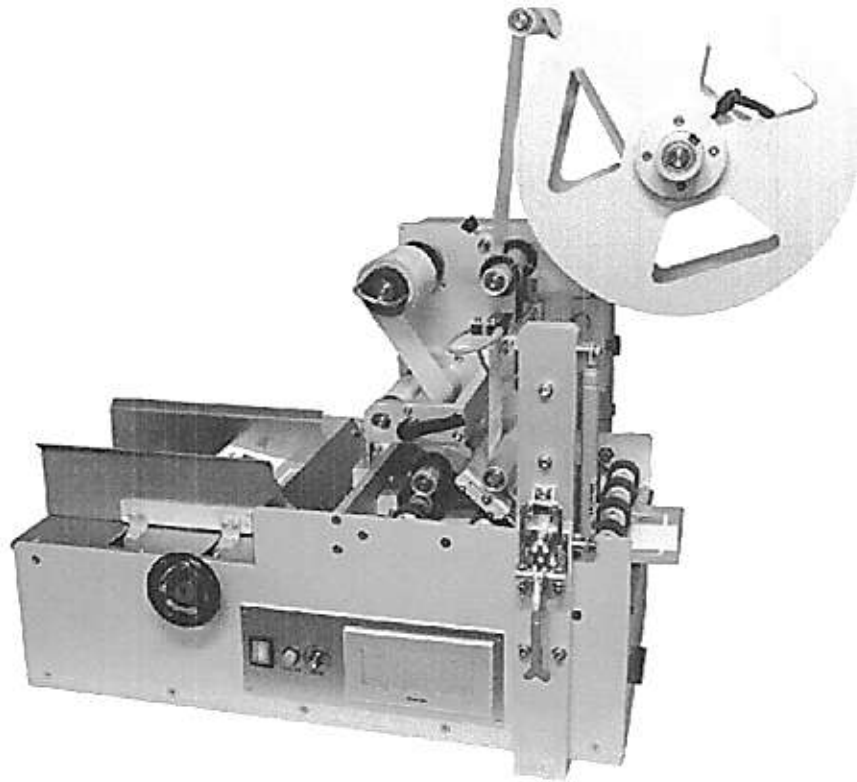


CARTON LABELLER (E)

MODEL : CTL-270



USER'S MANUAL

OPERATION, MAINTENANCE AND TROUBLE SHOOTING

-Introduction

Thank you very much for purchasing this machine.

The machine you have purchased has been carefully designed and manufactured

to provide you the maximum benefit, ensuring ease of use and safe operation.

Carton Labeller is useful for various product.

This manual provides all information you need for the installation, maintain and

operation of this machine.

-Manufactured by

SANHO MACHINERY CORP.

2F SANHO BLDG, 15 BEOTKKOT-RO, 38-GIL,

KEUMCHUN-KU, SEOUL, 08509 KOREA

TEL: (02)857-3498, 864-5947

FAX: (02)868-8285

Http://www.sanho.co.kr

E-mail: trade@sanho.co.kr

-Warranty

Sanho machinery offers the warrantee that the equipment is free from material defects and workmanship for one year from the date of original invoice under the following conditions.



1. Sanho machinery corp. will repair or replace any defective parts reported to Sanho or territory distributor during the warranty period.
2. This warranty shall not apply if:
 - a. The product is modified or damaged by faulty use, natural disaster or neglect.
 - b. The product has not been operated or maintained in strict compliance with operating procedures and instructions found in the operating manual.
 - c. Use of parts, components or other materials not supplied by SANHO MACHINERY CORP.

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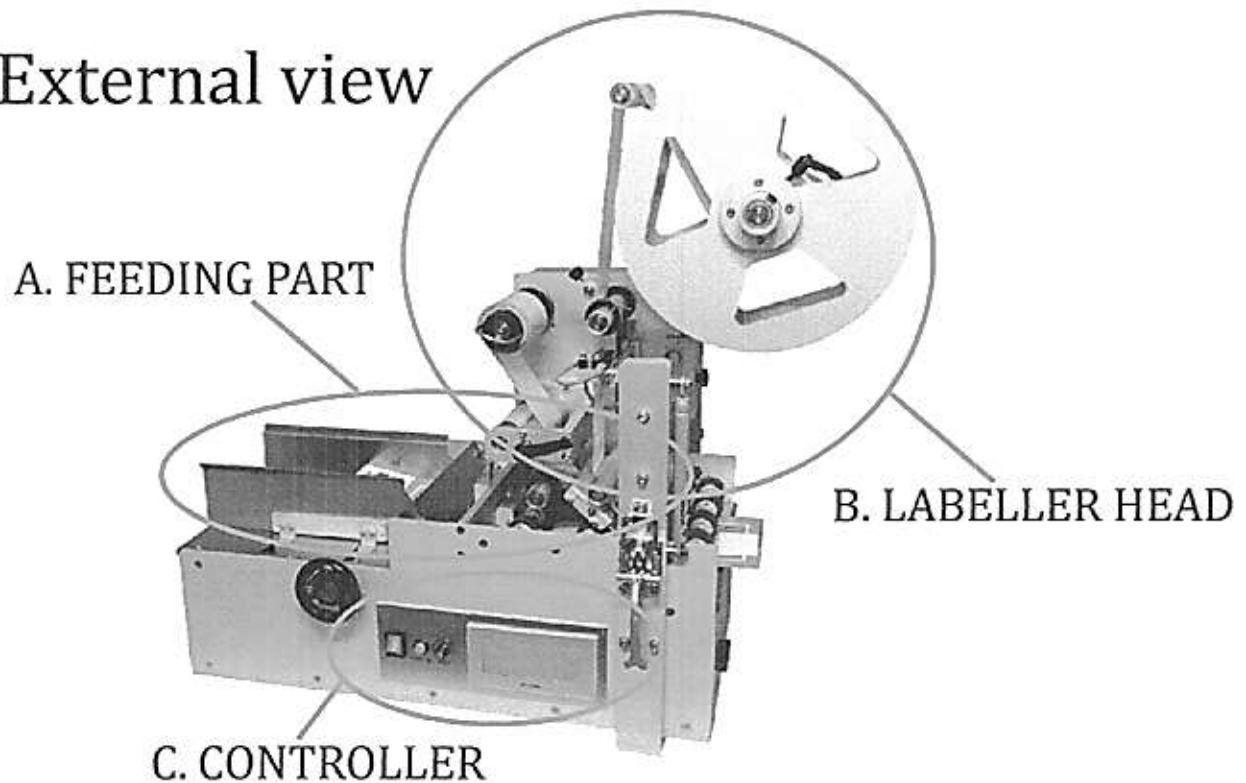
Warning Mark Means :

To keep special attention at place on warning labels.

	Warning Mark	Caution	Requirement
1	 <p>WARNING READ OPERATORS'S MANUAL. Read and understand the manual before using this machine.</p>	Read and understand manual before using this machine.	-Carefully read this manual enough before operating and have it handy for future reference.
2	 <p>WARNING HAZARDOUS VOLTAGE. Electric devices are built side This unit is to be serviced by trained personnel only.</p>	Hazard voltage Electric devices are Built inside.	-Do not touch with wet hands. -If any liquid or water is spilled into the machine-disconnect power immediately. -This unit is to be serviced by trained personnel only.

“the transparent cover has to be used during operation.”

-External view



-Specification

POWER ----- 110V, 220V Transferable
MACHINE LENGTH-----760mm
MACHINE WIDTH-----550mm
MACHINE HEIGHT-----720mm
NET WEIGHT-----35KGS

- LABEL SIZE : MAX.(W)130mm X (L)250mm
MIN.(W)10mm X (L)20mm

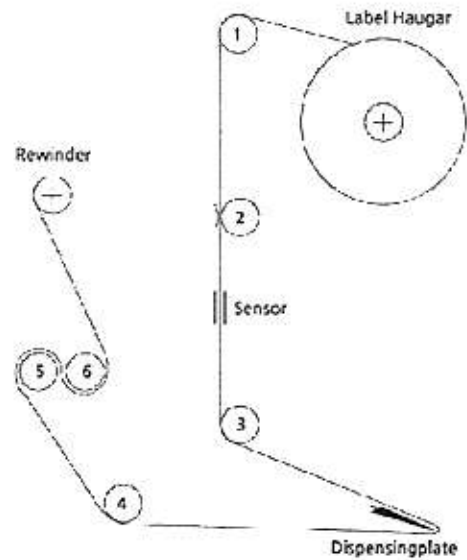
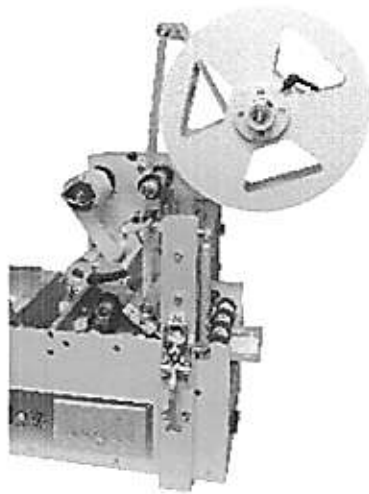
- LABEL ROLL MAX. : Φ 300mm

- CARTON SIZE : MAX.(W)205mm X 350mm
MIN.(W)50mm X 80mm

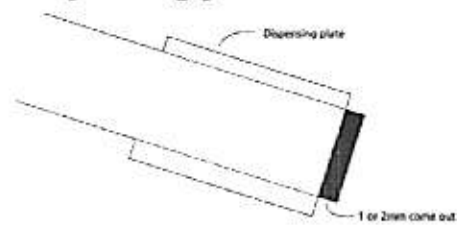
Electric components

1. MOTOR ----- LABELLER -----Stepping Motor 1
Feeder Induction 1
2. SENSOR ----- Labeller – 1, Feeder – 1
3. PC BOARD -----1
4. TOUCH PANEL -----1
5. PLC ----- 1
6. MOTOR DRIVER ----- 1
7. SMPS ----- 1

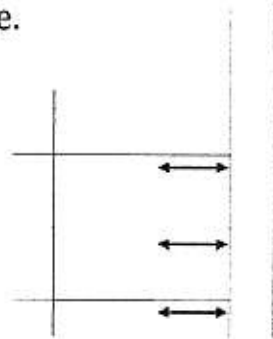
Label Setting



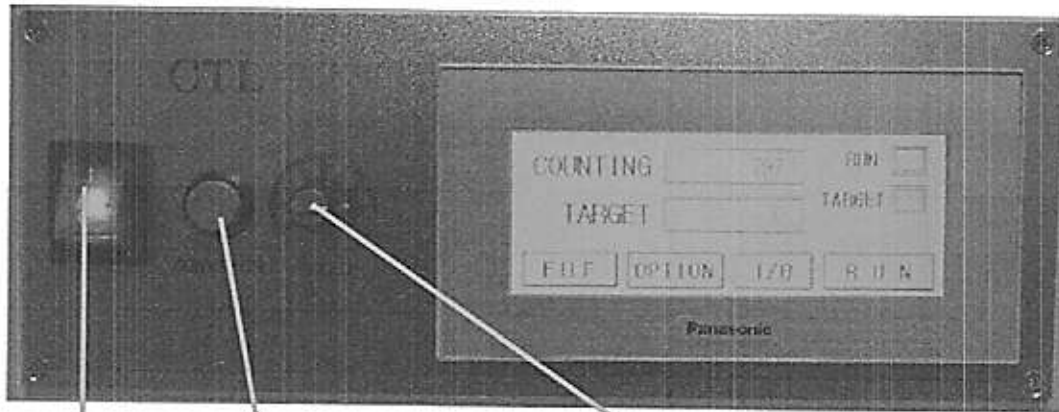
1. Set Label into hanger .
2. Pass through ① Roll → ② → Sensor → ③ Roll → Dispensing plate → ④ Roll → ⑤,⑥ Roll with open bracket → Rewinder → Close open bracket.
3. Set Label 1~2mm come out from Dispensing plate.



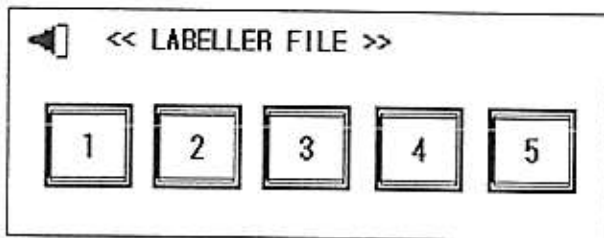
4. Set Label sensor between label gap.
5. Label have to be settled same distance from wall bracket owing not to move Label left and right side.



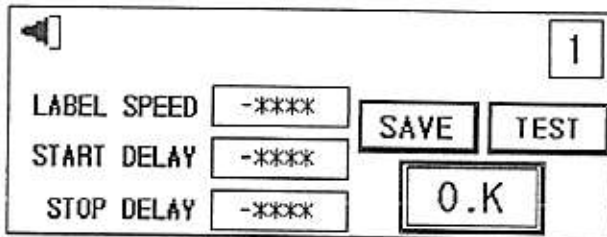
Control



POWER S/W CONVEYOR ON/OFF CONVEYOR SPEED CONTROL



If you push **FILE** button you can save 5 different values. When push 1 button.



You can input 3 values.

- ※ It's better not to adjust Label speed after fixed.
- Because Label speed have to be synchronized to conveyor speed.
- If you adjust speed, you have to adjust both Label motor and conveyor motor, So.

※ Hard materials like carton will be good with high speed,
But thin paper or pouch bags will be better with lower speed.

Control

◀	<< OPTION >>				ON ↔ OFF
CONVEYOR	<input type="checkbox"/>	START	STOP		
LABELLER	<input type="checkbox"/>	ERROR	ERROR		
TARGET	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

◀	<< I/O >>			
START SENSOR	<input type="checkbox"/>	STEP MOTOR	<input type="checkbox"/>	
STOP SENSOR	<input type="checkbox"/>	CONVEYOR	<input type="checkbox"/>	

This is I/O test mode.
If you test start sensor with
Your finger or paper:
Normal situation will be black.

Operation

1. Confirm Label setting.
(especially sensor position and Label end on dispensing plate and press roller closed)

2. Confirm and control start position and Motor speed.(around 2300)

3. Confirm feeder speed fixed around 1600.

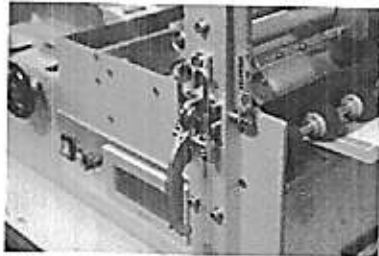
If you want speed up and down, you have to change Labeller value also feeder speed value.
We recommend fix labeller speed around 2300 and adjust with only feeder speed.
It is easy and simple way.

※ 4. Adjusting thickness ; If you labelling on carton, throw 2 carton first, you have to adjust silicon
Roll down to pass through just 1 carton and upside carton have not to be passed.



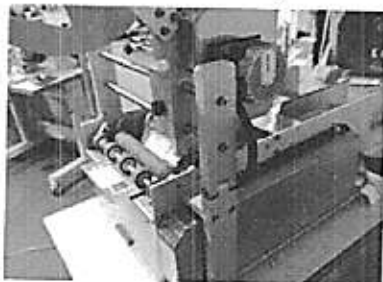
5. Adjust Guide to proper width.

6. If label jammed when you setting process, remove label after lift Labeller head with hinge off.



7. You can adjust Label position front and back with Start delay on control.

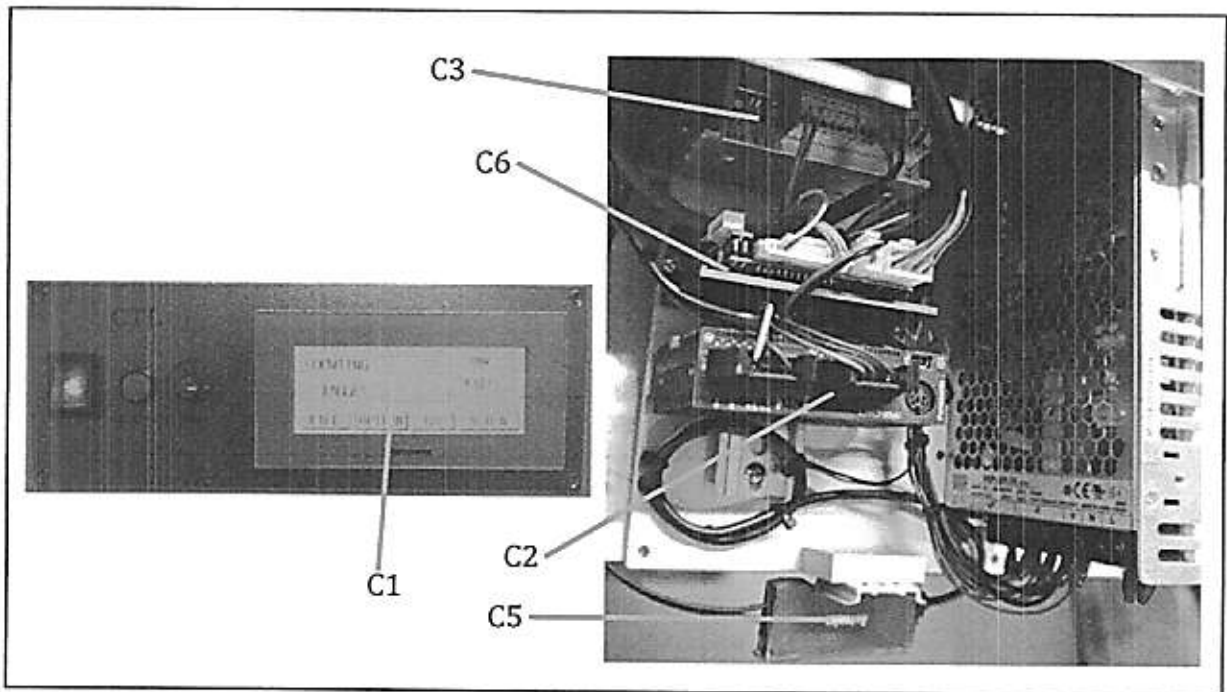
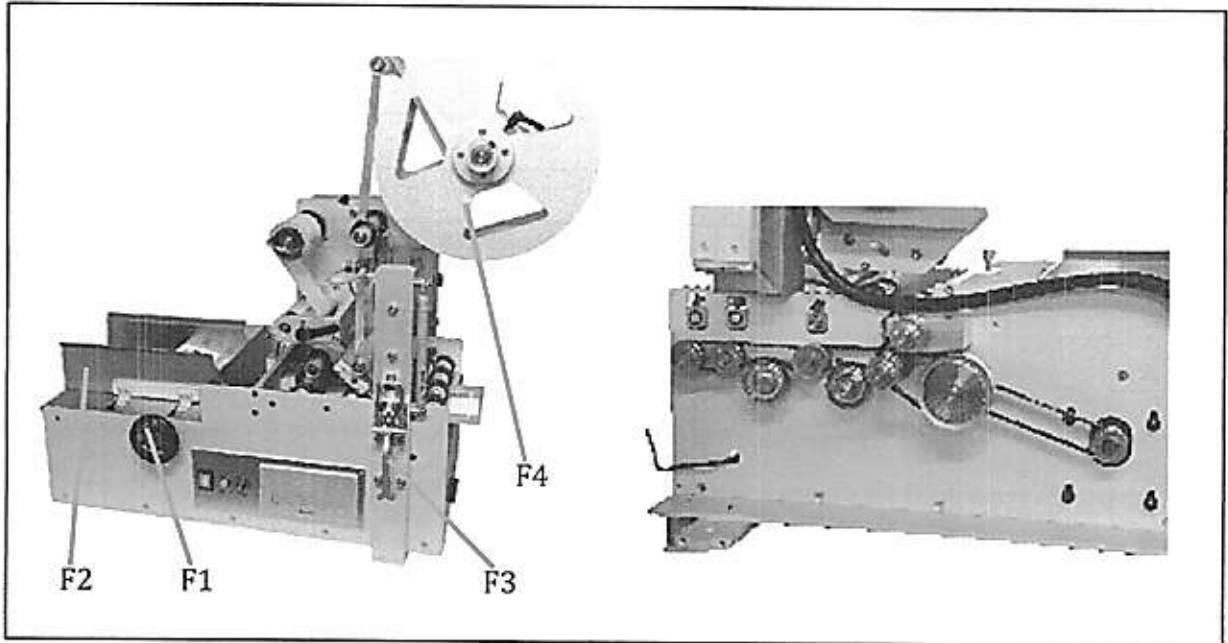
8. You can adjust Label position left and right side with Labeller head.



Troubleshooting

TROUBLE	CAUTION	SHOOTING
Label fold over on object face.	Labeller speed is Faster than conveyor Speed.	Adjust conveyor speed Fast.
Label attached a little Bit back position even adjusted delay.	Conveyor speed is Faster than Labeller Speed.	Adjust conveyor speed Slow.
Label does not comes Out even motor working.	Lock bracket opened.	Close lock bracket.
Label attached left and right with changing Position.	Guide on conveyor is Too loose.	Tighten Guide to Proper object.
Motor noise Labeller Is too high.	High noise when too Low speed and too High speed in Stepping motor.	We recommend 12m/min Labeller and Conveyor will be suitable. Noise may be happened Less than 5m/min or 15min.

Part List



Electric Diagram

