

# Original Instruction

## TABLE TOP TYPE SEALING MACHINE

# YF-98S

## OPERATION MANUAL

 TAIWAN PACKAGING STAR(TP STAR)

 GOOD DESIGN PRODUCT

 TAIWAN EXCELLENCE

 KC CERTIFICATE

 UL CERTIFICATE

 Y-FANG SEALING MACHINE LTD.

### **[ CAUTION: BURN HAZARD ]**

**Cleaning and maintenance should be performed by trained personnel only & Keep children away from machine.**

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# ( 1 ) CHARACTERISTIC INTRODUCTION



1. FILM      2. ROLLER      3. LOWER MOULD PLATE      4. CUP JACK
5. LOWER MOULD      6. SAFETY DOOR      7. FRONT PANEL
8. FILM CLAMP      9. TRIANGULAR SLIDING PLATE
10. FILM SENSOR      11. JUMP ROD

## 一、Principle :

Use electric plate makes film and container mix together, then use knife which hidden from upper film to cut off. It achieve film is pasted up on the container.

## 二、Patent and special design


- ①Safety device : This machine has safety door. If everything and hand touch to safety door, the display monitor will show “E07” , then lower mould recoil immediately recoil and prevent accidents to cut the finger.
- ②Jump Rod : This device can help container which the same caliber, different depth to sealing. Make it jump at the same time. User can easy to pick up the container.
- ③Auto detect : Panel can detect any failures. Help the user to fix.

二、 The sequence of machine motion : ①Put cap on the lower mould.  
②Auto(or manual)sealing. ③Film motor rewinding. ④Upper  
mould push down to sealing and cut the rim. ⑤Cap out put.  
⑥pick the cup.

## (2) USER'S OPERATION

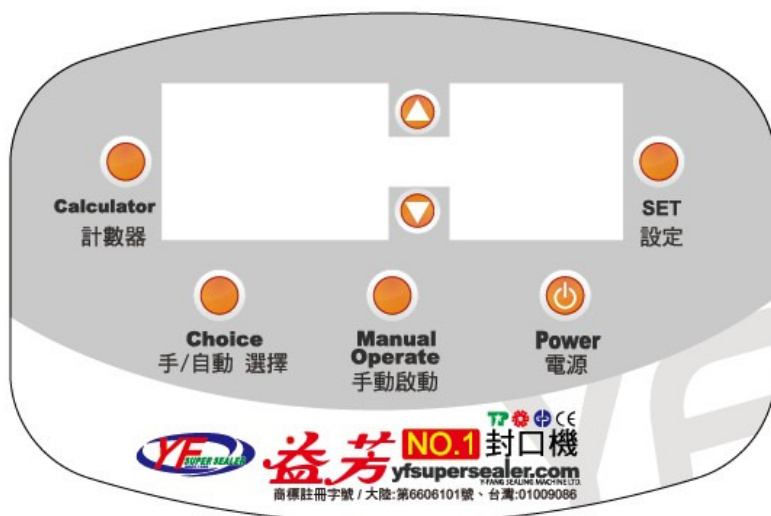


1. Fill in the film in correct direction as the above picture. If you fill in the wrong way, the film would be stuck with the heater of upper mould. After loading the film, please match the eye-mark of film to the place of film sensor.
2. Plug the AC power wire, turn on the power button, the lower mould will push out at the same time. Further, the upper mould will be increasing the temperature automatically.
3. After 5~7 minutes, the TEMPERATURE INDICATOR shall shut off when the upper mould's temperature set ready. Till now, the auto function is ready for work. It could be only in manual while the temperature is not ready.
4. The way to choose the container and film:  
(1) PET/ES film is suitable for any kind of trays. (temperature range 140~160°C)  
(2) As for sealing well, the material of both container and film should be the same. (temperature range 160~180°C)

**※PS: Unemployed and children are forbidden to close to the machines.  To forbidden the accident, don't put hands in the machines unless you pull out the power wire.**

### 《3》 FRONT PANEL INTRODUCTION

#### I. Indicator














#### II. Function of buttons:

- (1) **Power indicator:** Indicating the power is online or offline.
- (2) **Power key:** Press power key to start up the machine. After displaying “YF-LCC” pattern, the machine begins to service you. Oppositely, “P0” pattern means the power is off.
- (3) **Auto/Manual choice key:** Providing you to select auto or manual operation;
  - A. If manual is selected, the machine is waiting for pressing the manual key to go on sealing process.
  - B. If auto is selected, the machine is automatically doing sealing process. (Cups will be sealed automatically.)
4. **Manual Operate KEY:** Work in situation 3-A.
5. **Reset key:** Reset the function of microcomputer’ s parameters, and special function.
6. **Temperature Key:** Lighting up as increasing temperature, off oppositely.
7. **Right screen:**
  - A. To display the temperature as usual condition.
  - B. To display the parameter of function as changing the parameter setting.
  - C. To display error code.
8. **“UP” and “DOWN” Keys:** To increase or decrease one unit value.
9. **Counter Key:** To display the amount or count back to zero.
10. **Left screen:**
  - A. To display the amount as usual condition.
  - B. To display the parameter setting. Symbolizing P1~P5.

## I. LED Indicator



ET-999SN ET-95SN ET-99SU ET-99MU

1.  : LOWER MOULD/CUP INPUT
2.  : UPPER MOULD SEALING
3.  : UPPER MOULD STANDBY
4.  : LOWER MOULD/CUP OUTPUT
5.  : FILM REWINDING
6.  : SECURITY DOOR ERROR
7.  : EYE-MARK SENSING
8.  : TEMP HEATING
9.  : MANUAL MODE OPERATION
10.  : AUTO MODE OPERATION
11.  : *YF* LED LOGO Indicating the power is online.

### III. Function of setting

#### 1. System parameter table:

Symbol	Function Setting	Range	Parameter Setting (Set in factory)
P1	Set Temperature	PP (160~180°C) ES (140~160°C)	160°C
P2	Counter	LOK: LOCK / OPN: UNLOCK	N (can be reset)
P3	Sealing time	001~030 unit (0.1sec~3sec)	010 unit (1sec)
P4	Cup settled time	000~030 unit (0.0sec~3sec)	010 unit (1sec)
P5	Film rolling time	000~060 unit (0.1sec~6sec)	000(controlled by sensor)

#### IV. Operating procedures:

The procedures of machine as: A->B->C->D->E->F->G->H->I

- A. Press **POWER** to display **YF/LCC**, then left screen shows **counter** and right screen shows **TEMP**. The machine is now ready for using.
  - B. Press **SET** key, the left screen displays **P1**, the right screen displays temperature, then use **up** or **down** Key to increase or decrease one degree. (PP film 160~180°C, ES film 140~160°C)
  - C. Press **SET** Key, then the left screen display **P2**, the right screen shows counting mode, **OPN** means can be reset to zero and recounting from one, **LOK** means cannot be reset to zero, but continuously counting day after day.
  - D. Press **SET** key once more, the left screen shows **P3**, and right screen shows sealing time, then use **up** and **down** key to increase or decrease the value by one unit (0.1 second). Generally, the value is assigned between 005 and 015.
  - E. Press **SET** key once more, the left display shows **P4**, and right display shows cup settling time, then use **up** and **down** key to increase or decrease the value by one unit (0.1 second). Generally, the value is assigned between 005 and 010.
  - F. Press **SET** key once more, the left display shows **P5**, and right display shows plastic paper advancing time. If the paper has a sensed point (eye mark), then set the value at 000, else depends on the length of the paper unit, and use **up** and **down** key to adjust the correct time, generally, is set around 006 and 020.
- Press **SET** key once again, the left display shows **YF**, and right display shows **LCC**, means all set procedures are finished. The left display goes to normal



## 《4》 USER'S MAINTENANCE

**Any time do maintenance, should un-plug the AC power wire.**

### G. Daily check point

- (1) Check the upper mould and clean by wet cloth or rough plastic sheet. If not, the dirty plastic sheet or powder will stick on the heating plate.
- (2) Keep both the right and left slider those fixed under the lower mould plate clean and lubricated, if not, the input and output of the lower mould operation will be unsmooth.
- (3) Clean the groove of the lower mould.
- (4) Clean the jack system. (Jack slider, spring roller, bearing etc), keep it operate smoothly.
- (5) Clean the film sensor and lower mould in-out sensor.

### II. Other maintenance and repair placement:

Please contact with your local dealer for service and cooperate with the maintenance staff.

## Maintenance— 1

### ERROR CODE AND SOLUTION :

<b>1</b>	<b>E00</b>	Temperature control system error.
<b>2</b>	<b>E01</b>	Heating circuit or temperature wire error.
<b>3</b>	<b>E02</b>	Upper motor or micro switch of upper mould error.
<b>4</b>	<b>E03</b>	Lower motor or micro switch of lower mould error.
<b>5</b>	<b>E04</b>	Sealing film is not in the right position or the eye-mark sensor error.
<b>6</b>	<b>E05</b>	Lower motor or micro switch of lower mould error.
<b>7</b>	<b>E06</b>	Upper motor or micro switch of upper mould error.
<b>8</b>	<b>E07</b>	Safety door is touched or collided.
<b>9</b>	<b>E19</b>	PCB error : The main control system of PCB error PCB crashed.
<b>10</b>	<b>E20</b>	Short of DC12V.
<b>11</b>	<b>Err</b>	Voltage error.
<b>12</b>	<b>E12</b>	Upper motor of film rise error.(Reducer, Web, bolt loose or circuit error.)
<b>13</b>	<b>E13</b>	Lower motor of film stretch out error. (Reducer, pull rod, bolt loose or circuit error.)
<b>14</b>	<b>E15</b>	Lower motor of film enter error. (Reducer, pull rod, bolt loose or circuit error.)
<b>15</b>	<b>E16</b>	Upper motor of film under pressure error. (Reducer, webs, bolt loose or circuit error.)

## Maintenance—2

### ERROR CODE AND SOLUTION :

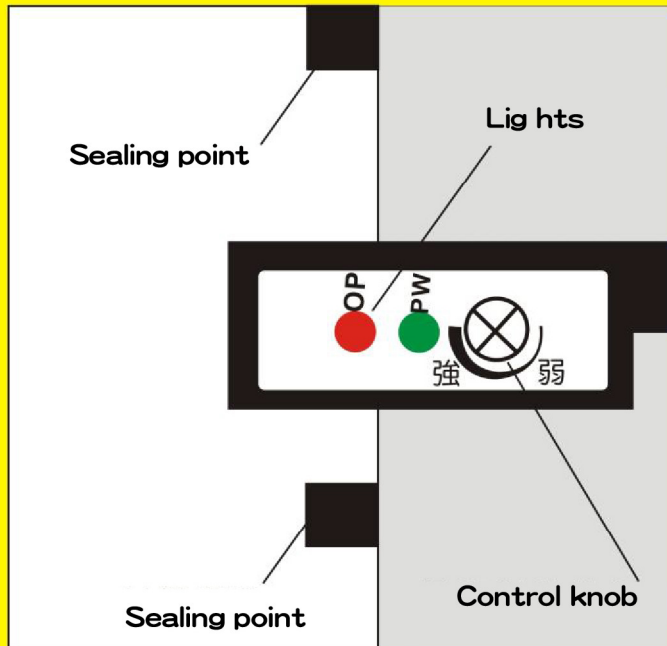
<b>12</b>	<p>Cannot in-put the containers under Auto setting :</p> <ol style="list-style-type: none"> <li>1. The film sensor of lower mould is too strong or too weak. please clean the sensor or adjust the degree of sensor.</li> <li>2. The black paint on lower mould is peeled off. Please paint it again smoothly. Change a film sensor if above adjustment is useless.</li> </ol>
<b>13</b>	<p>Cannot seal the container smoothly :</p> <ol style="list-style-type: none"> <li>1. Clean up the surface of upper mould.</li> <li>2. defacement of lower mould or silicon rubber.</li> <li>3. Deformation of the containers.</li> <li>4. To increase the temperature or adjust the time for sealing.</li> <li>5. The springs of upper mould is broken, so that the pressure is not at average. (it occurs about sealing 100 thousand times.)</li> <li>6. The springs of heater is broken, so that the pressure in not at average.(it occurs about sealing 300 thousand times.)</li> </ol> <p>The knife of upper mould is stuck. Please ask the technical staffs to clean up the knife. Wrong use of film material: Sealing paper containers with PP film.(WRONG)Sealing Styrofoam containers with ES film.(WRONG)</p>
<b>14</b>	<p>Film stops before sealing but PCB has no error code :</p> <ol style="list-style-type: none"> <li>1. Clean up the film sensor.</li> <li>2. To adjust the degree of the film sensor stronger.</li> <li>3. To change a new film sensor as it is broken.</li> </ol> <p>PCB crashed.</p>
<b>15</b>	<p>No power of the machine :</p> <ol style="list-style-type: none"> <li>1. Please plug the AC power wire.</li> <li>2. The fuse of PCB is broken.</li> <li>3. The short terminal of PCB is loosen.</li> </ol>

## Maintenance—3

### ERROR CODE AND SOLUTION :

<b>16</b>	Wrong position of the containers : To use lubricant on slide and jump rod everyday.
<b>17</b>	Cannot cut down the film: 1. To clean the surface of the upper mould. 2. Please ask the technical staffs to clean up the knife of upper mould. 3. Defacement of lower mould or silicon rubber. 4. Adjust the depth of pressing for upper mould. 5. The springs of upper mould is broken, so that the pressure is not at average. 6. The PET film is too thick to cut down. 7. The knife of upper mould is not sharp enough or broken.
<b>18</b>	The lower mould lodge when sealing was finished : The micro switch is stuck by fructose. Please clean up the switch.
<b>19</b>	Shortage of voltage : 1. The extended line is too thin. 2. Conjoint with too many other electric machines for one extended line.
<b>20</b>	The safety door is crushed by the containers while sealing : 1. The jack rod collide with the inner edge of lower mould. 2. Clean up the jump rod/bar and use lubricant on it. 3. Change a new spring of jump rod as it is broken.
<b>21</b>	The film is not in the right position or turning around and around : Please avoid to put the sealing machine under the sunshine directly, or it would cause the misunderstanding of in-put and film sensor.

# Film sensor notes



**Trouble shooting \*When film revolve without a stop.**

1. Check film across film sensor.
2. Use control stick control knob.

When film sensor in good condition, “OP” and” PW” are light at same time, and detecting sealing point “OP” is go to out.

## **Clean method**

Please use wiper clean lens in the film sensor, avoided dust in the sensor and effect it in motion.

## **Notes**

Please use control stick. Don` t use sharp things (EX:knife) to control knob, avoided sensor breakdown.

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# Warranty Statement

Content :

<h2 style="margin: 0;">Warranty Certificate</h2> <p style="margin: 0;">Date of delivery : _____</p>			
<b>Customer :</b>			
<b>Address :</b>			
<b>Tel. :</b>		<b>Fax/Email :</b>	
<b>Model No. :</b>		<b>M/C No. :</b>	
<b>Inspection :</b>	<b>Annotation</b> 1. Here we grant one year free service since the date of delivery. We will offer service of free maintenance and parts change. 2. Damages caused by natural disaster, re-equip without consulting with the dealer, due to operator's fault or wrong operation to make it malfunctioned or damaged, a malfunction caused by move or shift would be charged for parts and repair placement. 3. It would be charged for parts and repair placement one year after delivery.		
<b>Authorized by</b>       			
※The contract would be avoid without authorization.			

Model capacity	YF-98S
Voltage	110V/220V 50/60Hz
Duty	400W
Weight	22kg
Size(mm)	350X360X610