
F350/F650

laminator manual



If any change, we won't make the notice, please make the object as the standard.

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F350, F650 Laminator manual

foreword

Thank you for your choosing our product. In order to correct use this product , kindly read this manual carefully. Take care every operate detail. Therefore it will help your operate skills and make the perfect production and improve the operate speed.

This machine is developed by rich experience, abundant economy and technology of corporation. There is serious quality control process which from design to material purchase and produce. Fully reflecting the corporation motto: “perfection pursuing, Customer satisfaction” .

Safety caution:

Be care to use this machine, don't put the hand or another body to running part of the machine , which avoid any accident. Kindly see more using, maintenance caution as below.

1. Put the machine on the solid and air circulate place .
2. According the mechanical rear instruction to connect the power, If the voltage is too lower or higher , the machine will run abnormally. .
3. Ensure your safe, please use the earthed power socket.
4. Don' t put several electric in one socket, because if overload will caused to fire or electric shock.
5. Before clean the machine, please take off the power .
6. Heating roller temp. is over 130℃, So don' t touch the heating roller when using or power off in a short time.
7. Don't put irrelevant things into the laminator .
8. Don't touch the heating roll and film surface, or the film will be adhered to the roller and difficult to clean.
9. Don't repair the laminator by yourself. If problem, kindly connect the agent.

Following” warning” labels, you can find it from the machine:



1、open box and check



Machine



Manual



warranty card



Film

Kindly check the accessory, after open the laminator box, any damage or miss, kindly contact the agent or head company.

- (1) Machine
- (2) Manual or CD
- (3) warranty card
- (4) Film (Installed)

Note:

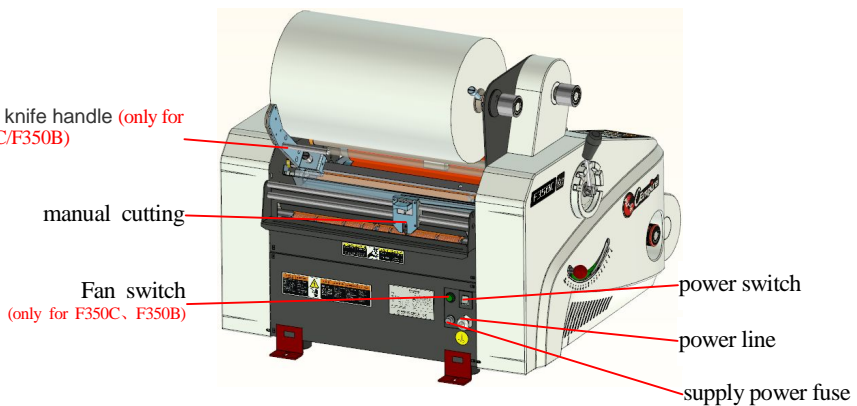
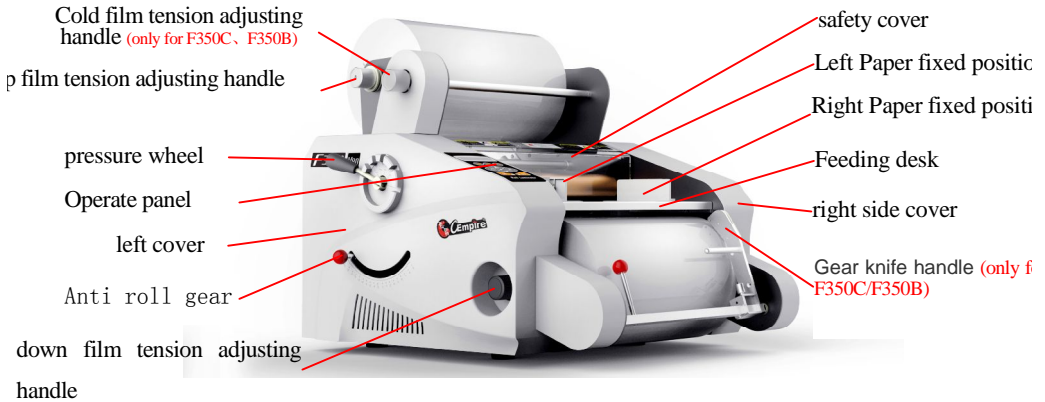
Before use, kindly read this manual carefully, it's will useful for laminator skills and get the more beautiful filmed papers;

Kindly keep the packed polybag, box and etc which for the re-transport.

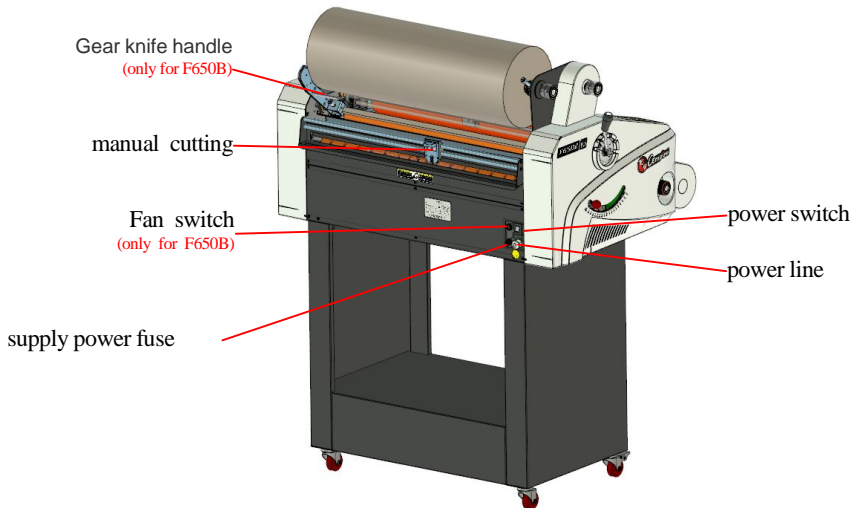
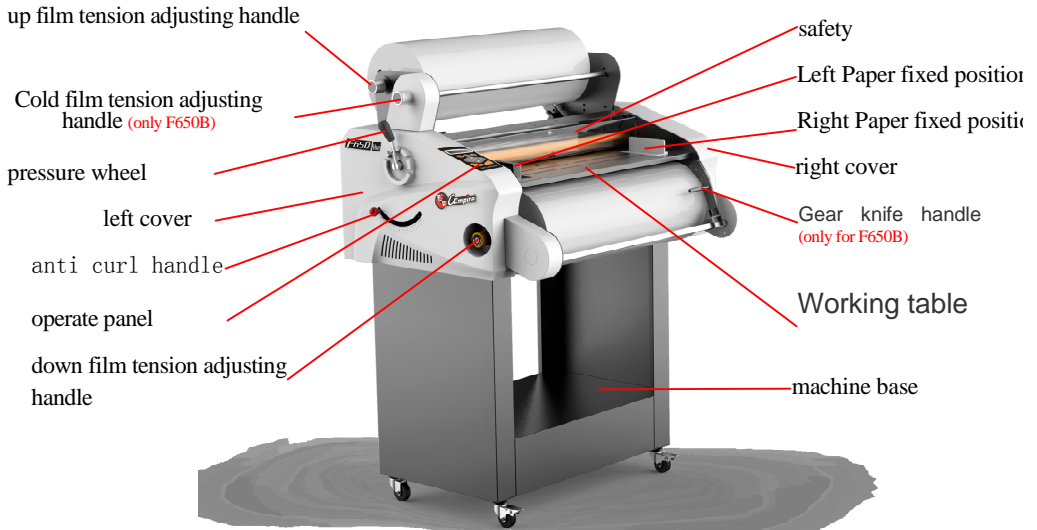
2、Name and function of parts

Before use and install this machine, Kindly know the name and function of parts by the below photo .

2.1、F350 parts and function



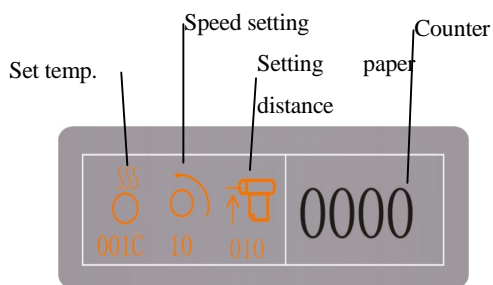
2. 2、F650 Name and function of parts



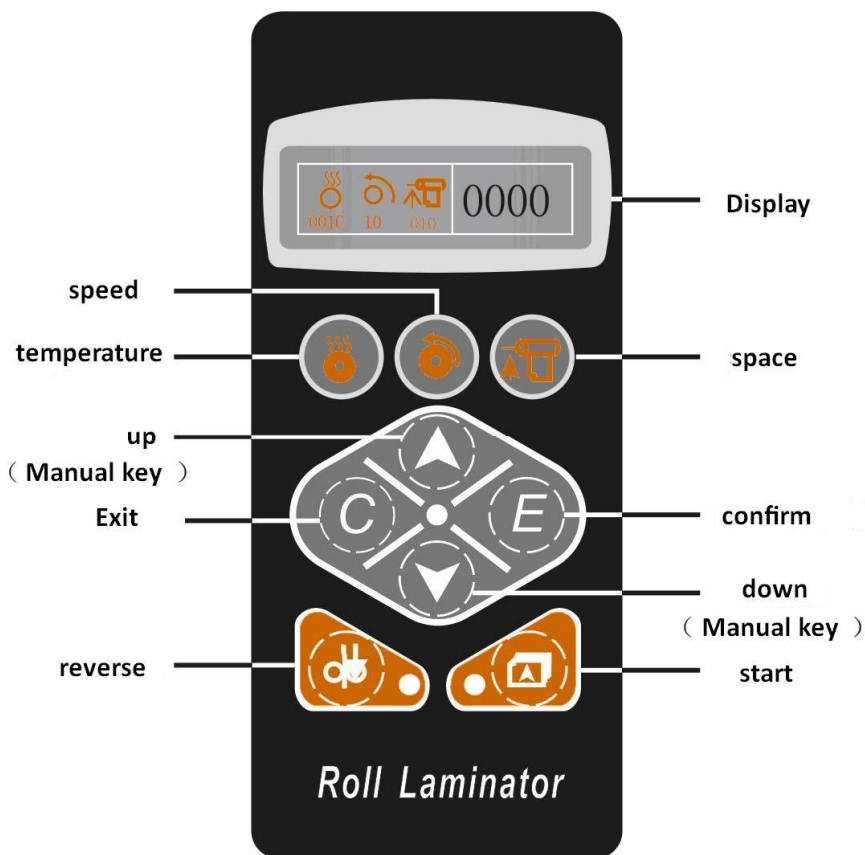
3、Laminator Parameter

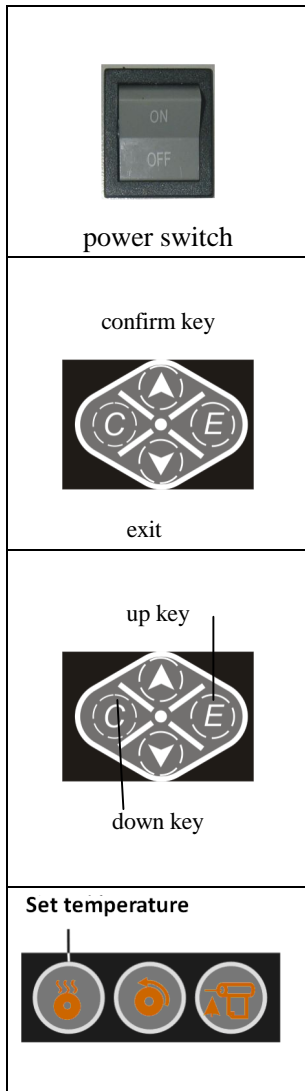
Type	F350	F350B	F350C	F650	F650B
Paper width (mm)	130-350	130-350	130-350	130-650	130-650
paper length (mm)	110-999	110-999	110-999	110-999	110-999
paper thickness (g/m ²)	80-400	80-400	80-400	80-400	80-400
Speed (m/h)	300	300	300	300	300
Feeder	Manual	Manual	Manual	Manual	Manual
Display	LCD	LCD	LCD	LCD	LCD
Max. film diameter	160	220	220	160	220
Auto. slitting	/	/	√	/	/
manual cutting	√	√	√	√	√
Heating rolls	2	2	2	2	2
double sides film	√	√	√	√	√
Film press gear	/	√	√	/	√
Anti curl	18	18	18	18	18
cold laminator roller	/	√	√	/	√
voltage	AC220V(110V)	AC220V(110V)	AC220V(110V)	AC220V(110V)	AC220V(110V)
	±10%	±10%	±10%	±10%	±10%
	50Hz (60Hz)	50Hz (60Hz)	50Hz (60Hz)	50Hz (60Hz)	50Hz (60Hz)
	1450W	1450W	1450W	2050W	2050W
machine size (mm)	460*600*510	460*600*510	460*600*510	460*900*1400	460*900*1400
NW (kg)	45	50	52	70	75

4、Operation panel



(LCD display)





power switch

confirm key

exit

up key

down key

Set temperature

5、control unit and key function

5.01 power switch

Shift to the upper (“ON”), power on

Shift to the lower (“OFF”), power off

5.02 confirm key

press “E” key to choice the menu functions

,press, when you choose someone function, press

“^”“v” to select the parameters, after setting, press “E” to confirm.

5.03 Exit (means clear)

Press “C”to exit menu select function after

you have set well, Or you can eliminate, ignore the error, when there is a alarm, to keep former well working condition.

5.04 UP key、down key

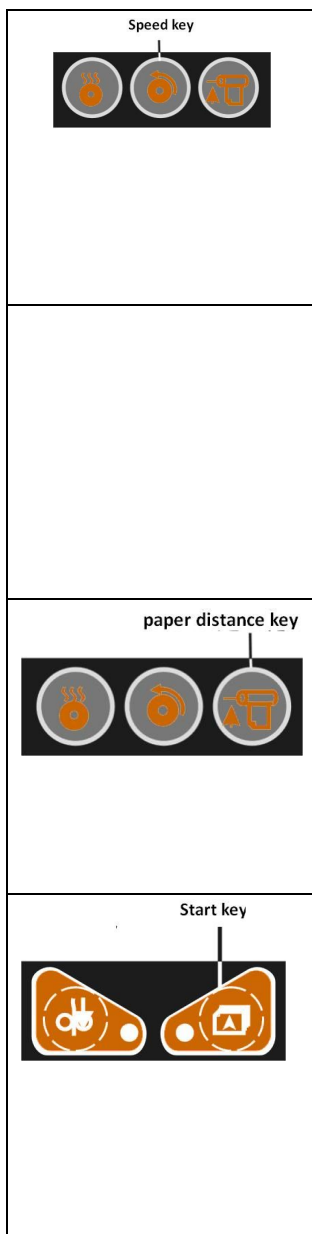
after enter the menu, press “v” appear in turn: setting paper length- operate mode-unit-counter-laminator mode-tolerance of up roller-tolerance of down roller, press “^” appear inverse menu, press continuity “^”

“v”key to re- cycle working, choose someone function press “E” key to enter parameter setting, then press “^”“v”modify parameter, after setting press “E” to confirm.

5.05 set temperature

After press “setting temp.”, temp. display is shinning, means it’s can setting the temp. now.press“^”or“v”can modify the temp. parameter, after setting, pres “setting temp.” to confirm. There is cold operation mode if the temp. appear 0 degree.

Note: Lowest temp.is 0 degree, highest tem. is 130 degree. There is best temp. about 110 degree as factory setting. Any adjust value, the machine have the memory.



5.06 speed key (setting speed)

After press “speed key”, speed key is shining, means you can set the speed, press “^” or “v” can modify the temp., after setting, press “speed key” to confirm.

5.07 space

After press “space”, space is shining, means you can setting. press “^” or “v” can modify the space parameter, more bigger value means the space is more bigger of two papers. less value means the two papers are lapped more. After setting, press “space” to confirm.

Note: Standard parameter is 45 as factory setting; space value is 0-250mm.

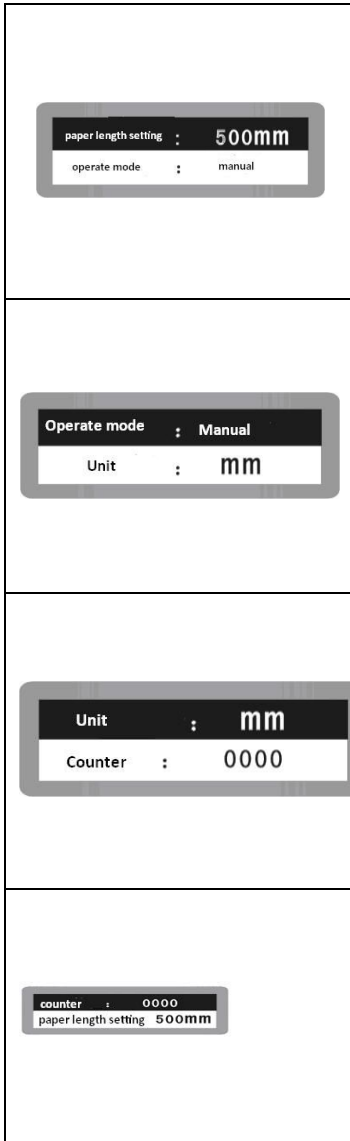
5.08 reverse key

Reverse key to confirm the motor reverse, start key light is not lighting, press “reverse key”, main motor reverse, you should take away the “reverse key” when stopping.

5.09 Start key

press “start key”, motor is running, press again “start key” motor is running by reversal. In auto. model, press “start key, lighting is on, the machine is readying, the main motor is running when the paper go through the cover sensor. The main board is stopping when the paper is left the cover sensor.

5.10 paper length setting



press “E” enter into menu, press “^” “v” key to choose “paper length setting” menu, press again “E” to confirm, paper length key is shining, means can set the paper length now. press “^” “v” set the parameter which according the paper size, after setting, press “E” to confirm. min value 100mm, max length 700mm

Note: when setting 700mm, means no limited length.

5.11 Operate mode

press “E” enter into the menu, press “^” “v” key to choose “operate mode” menu, press again “E” to confirm, operate mode key is shining, there is manual and auto mode in there. According your operate skills to choose the suitable operate mode by Press “^” “v”, after choose press “E” to confirm.

Note: factory setting with auto. Operate mode.

5.12 Unit

press “E” key enter menu, press “^” “v” key to choose “unit” menu. And press “E” to confirm, unit key is shining, the unit size is mm, and you can change the size to inch.

5.13 Counter

Press “E” key to enter menu, press “^”

“v” key to choose “counter” menu, press “E” to confirm, you can see the counter value.

5.14 laminating mode

press “E” key into menu, press “^” “v” key to choose “laminating mode” menu, press “E” to confirm, laminating mode key is shining, mode detail: double sides laminating、up laminating、down laminating。press “^” “v” according your demand to choose the laminating mode, press “E” to confirm。

5.15 up roll compensation

press “E” key enter menu, press “^” “v” key to choose “up compensation” menu, press again “E” to confirm, “up compensation” key is shining, which means you can set the temp. compensation. According your needs to set the parameter which by Press “^” “v”, After setting, press “E” to confirm, compensation range: -15 ~ +15。

5.16 down roll compensation

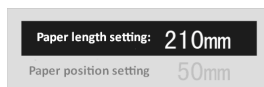
press “E” into menu, and press “^” “v” key to choose “down roll compensation” menu, press again “E” to confirm, “down roll compensation” key is shining, Means you can set the temp. compensation value。According your needs to press “^” “v” to set the parameter, after setting ,press “E” to confirm, compensation range: -15 ~ +15。



(Pic-1)



(Pic-2)



(Pic-3)



(Pic-4)

6、How to use the laminator

6.1、start to work

6.11、check the shipping fixed screw and belting is removed or not;

6.12、Switch on the plug, and power on, the machine is heating (same as pic-1), Means the machine is starting normally;

6.13、catch the film locating sleeve with hands when install the films, take our the film fixing wheel from right side. And take away the fixing screw of locating sleeve, take down the locating sleeve and put film in . finally screw up fixed position to finish;

**Note: A、Don't anti-installed the film;
B、left and right justification of up and down film ;**

6.14、According the paper size to automatic slitting the film, adjust the slitting device position (pic-2), which just take away the fixing screw of the slitting device;

Note: when don't use the auto. slitting, Please take the gear knife and edge cutting knife to right side ,which avoid to hurt the hand.

6.15、Setting the temp. and machine speed parameter which according the paper type. (Pic-1);

6.16、Setting feeding paper length ,lap distance and other parameter after into the machine which according the paper size (pic-3);

6.17、Check the feeding paper is well or not, You should adjust the feeding pressure which according the paper thickness to adjust (pic-4)。

6.18、According the actual effect to setting the film tension and gap of rolls which avoid the paper bending and wrinkle .;

Note:

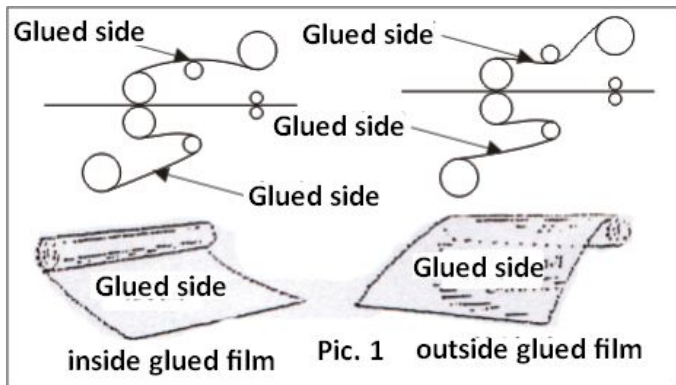
- 1、Single laminating, tension is more light, paper bending is more small (pic 4);
- 2、anti-bending adjustment:: 6 level, From big to small:
4mm\2mm\1mm\0.5 m\0.02mm\0.04mm(pic. 4);

6.2、install film

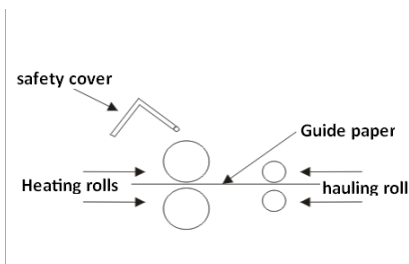
6.21、Take away the film tension wheel from right to back;

6.22、Take away left fixing screw of film tension axis, Put the film in, , screw the fixing screw; install notes: there are 2 glued films ,inside and outside. , Kindly according the left instruction to install the inside glued film. , according the following instruction to install out side glued film.

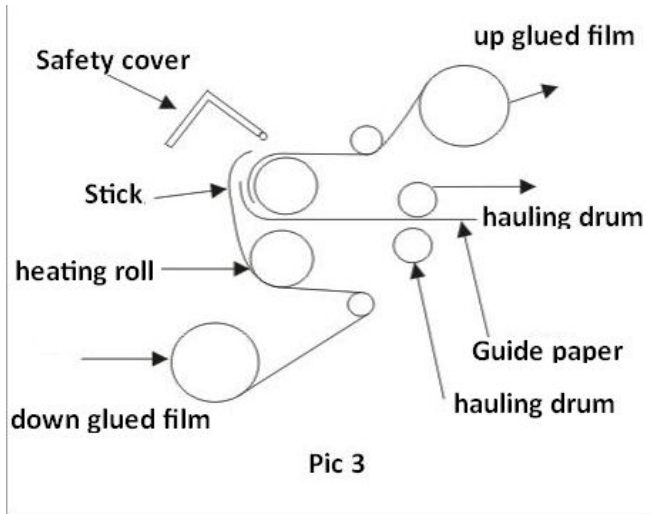
Note: Align up and down glued film.



6.23、Install glued film to guide the paper。open the safety cover, take down the working table, take a piece paper which same width of glued film, as guide and pass the front and back rolls, see pic.2;



- 6.24、when catch the setting temperature, Put the up film on heating roll, (see pic.3) Put the guide paper up and stick on the glued film, and put the down film also stick on, put on safety cover, install the working table, adjust the suitable position , Locking paper positioning side regulation , put roll space adjustment lever on and corresponding the scale of glued film ;



6.3、Laminating

6.31、manual mode:

Press “start”, The paper is running from front to back side, And left it from heating roll to hauling roll, press again “start”, motor is stopping. Using the horizontal blade to cutting, Finally, a paper is finishing laminating .

6.32、Automatic mode:

Press “start”, the start key is lighting, Put the paper to working table, the motor will automatic run after 2 sec, paper is running from front to back side and via heating roll. The motor is stopping when the back of paper leave the cover sensor, Using the horizontal blade to cutting, Finally, a paper is finishing laminating. Re-put paper on should do automatic re-work.

6.4、Wrinkles adjustment:

If there is any wrinkles, Anticlockwise loose the intension adjustment key, and clockwise to adjust it till no wrinkles. If single laminating, We just adjust the up glued film to solve this problem; In order to less wrinkles. Un stretching at the film's exit.

6.5、To clean the jammed film

When the roll is heating, printed matter or glued film stick on the surface of roll, cyclic rotation maybe caused the roll is damaged and the machine is broken, don't use any clear liquid or solvent, which in order to rolls are burned.

Using the following solution to clean it:

- 6.51、Stopping the machine and speed to slowest, Cut the involved printed matter or glued paper, start “reverse key”, Take out the involved printed matter or glued film from front .
- 6.52、Put the up roll to highest position, take away the safety cover and working table;
- 6.53、Setting the temp. 80—90℃;
- 6.54、press on “reverse key”, Using a soft cloth to clean the up and down heating rolls which till the surface of the rolls are clean.
- 6.55、Install the working table and safety cover;
- 6.56、Re-stall the film;

Note: when clean the roll, don't touch any metal or something hard parts, in order to hurt the surface of the roll, when clean, we need to positive operation and machine inversion, in order to cloth or hand get into the roll.

7、Laminator Techniques and skill

- 7.1、To do the perfect laminating image, there are some important characters : temperature ,tension regulate and detection time of glued film on heating rolls. So, see the printed matte detail, choose the suitable film, temperature ,speed and tension. In general, More thickness film or printed matte, we need more slow speed and more higher temperature , because we need more melt time for the thickness film; otherwise, thin film or printed matte, will be more faster speed and low temperature.

- 7.2、 Under the glued film can be melted ,we can setting the temperature more lower , so that the film glue is melting as the best situation (the glue is melting from white color to transparent, means it start to have the toughness) . According the paper thickness to setting the temperature 80—120℃
- 7.3、 Under no wrinkle and stick very well, we can set the tension more smaller. If the temperature is too higher or tension is more bigger, maybe the laminated paper will be curl.
- 7.4、 If the film stop on rolls for some times, best take away that film before use, Because the down film will be expansion seriously, After cool and shrink, the paper will be easily curl on one side
- 7.5、 It's not suitable for more thin paper to laminating. Because If the paper is very thin , it will be curl caused by cooled of film. If glue or something else stick on rolls, It will be affect laminating effect. Please clean it in time.

Suggestion: Overlapping the back of standby paper, do the double sides laminating, after this, we can cutting it and get the single laminating ,So that we can improve the work efficiency.

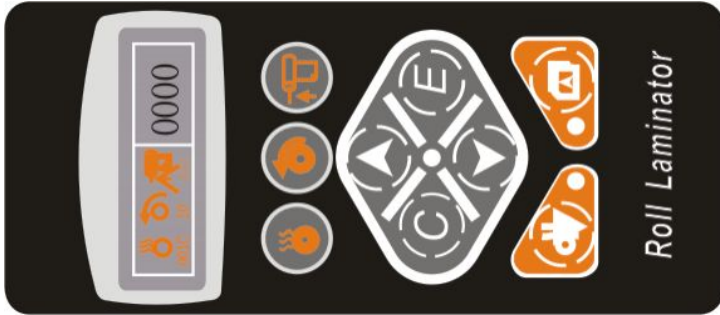
8、 Daily Maintenance

- 8.1 The stability and service life of machine are related to daily maintenance, Regularly to clean the laminator. Apply oil on activity parts , the machine service life will be more longer.
- 8.2 Clean heating roll, set the temperature about 80℃, then use soft cloth to clean the left glued liquid.
- 8.3 In order to keep clean the machine, we can clean the sundries, dust in regularly
- 8.4 If you have the Mechanical repair of common sense, You can regularly to check the screw is solid or not.
- 8.5 If happen any un-clear question, please contact the local agent or our company.

Warning: Not allowed from agent or our company, please don't disassemble the laminator, or you will loose the warranty.

9、Self -checking

Press on “E” key and turn on power to enter the checking situation.。
Checking the following in turn.



Nos	checking content	operating way	judgment method	solution
1.	Safety cover sensor	Open the safety cover	LCD appear "0" for sensor is normal if appear "1" for feeder sensor is not well	If safety cover sensor "0" ,means the safety cover don't close or sensor is broken, we have to exchange the sensor.
2.	Infrared feeder sensor	Put something cover the infrared feeder sensor	LCD appear "1" for feeder sensor is normal, If appear "0" for feeder sensor is not well.	If infrared cover sensor appear "0" for not well, we need to repair or exchange it.
3.	main motor	Auto. Motor Positive and negative circulation	If auto. Motor, and it can Positive and negative circulation. Means it's normal	

10、 Troubles and Troubleshooting

Nos	troubles	trouble reason	solution
1	safety cover error	Check the safety cover	Cover up the safety cover
2	Up temp. sensor error	Check up rolls temperature	1、 check up temp. sensor wire is well or not。 2、 change the main board or temp. sensor.
3	down temp. sensor error	Check down rolls temperature	1、 check up temp. sensor wire is well or not。 2、 change the main board or temp. sensor.
4	it's wrinkled after laminating	Film tension adjust is not well	Adjust the tension reference 6.4 wrinkle adjustment
		Pressure is too light	Appropriate increase the pressure of rolls
	Half side wrinkle	Pressure of setting bolt spring is not even	open the cover, using two sides rolls of setting bolt spring to adjust the rolls gap solution: more heavy the wrinkled side setting bolt spring or light non wrinkles side setting bolt spring.
	Middle or both sides wrinkle	Too heave of setting bolt spring	open the cover, using two sides rolls of setting bolt spring to adjust the rolls gap。 solution: even ease the 8 pcs setting bolt spring pressure on right and left sides.
5	bubble after laminating	roll is not parallel	Adjust the parallelism of rolls
		Pressure is too light	Appropriate increase the pressure of rolls
	Middle or both sides bubble	Not Even pressure of spring	Reference the wrinkle solution
6	Rolls is curled up	roll is not parallel	Adjust the parallel of rolls
		setting bolt spring pressure is too heavy or not even	even ease the 2 sides of up rolls setting bolt spring pressure .

11、Electrical diagram

