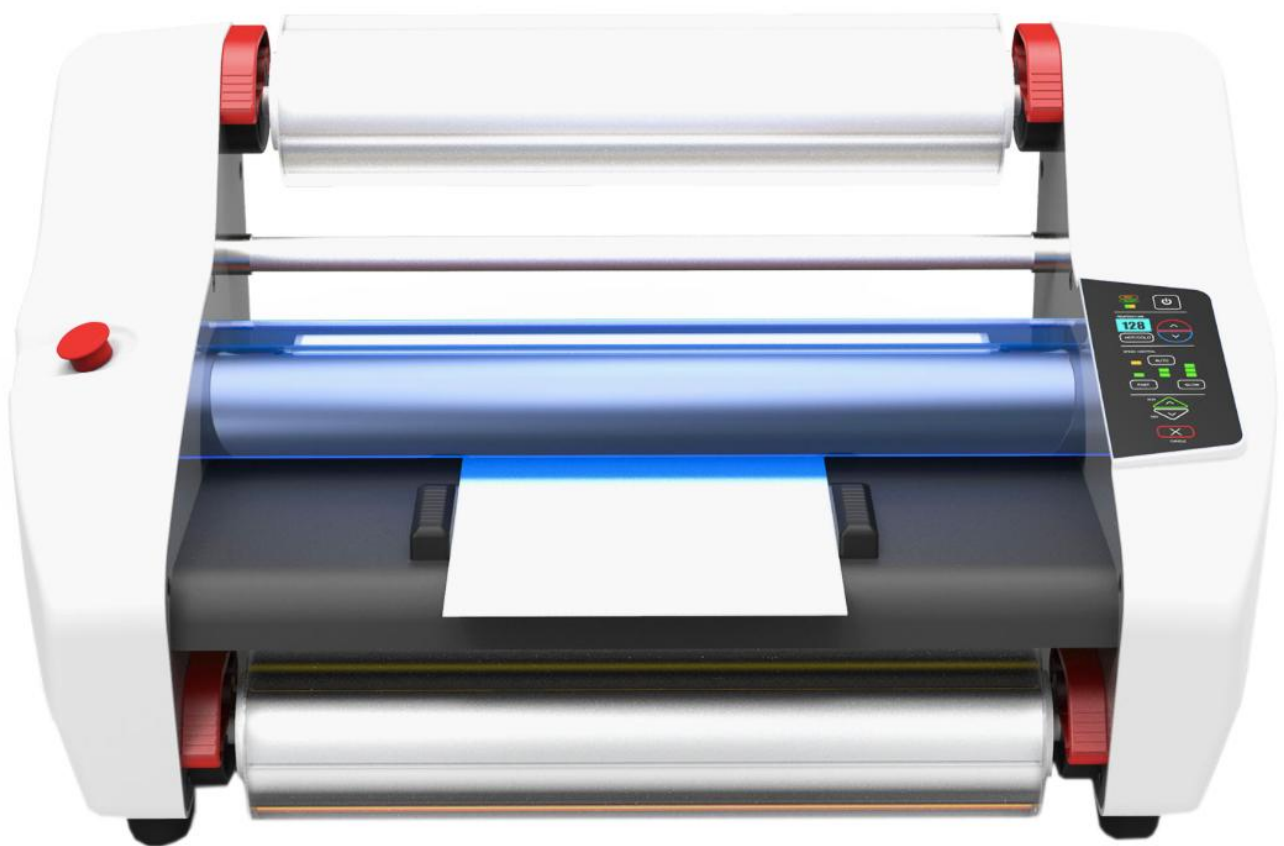


# **QOMOLANGMA**

## **350-DL Desktop Laminator**

### **USER MANUAL**



# Catalog

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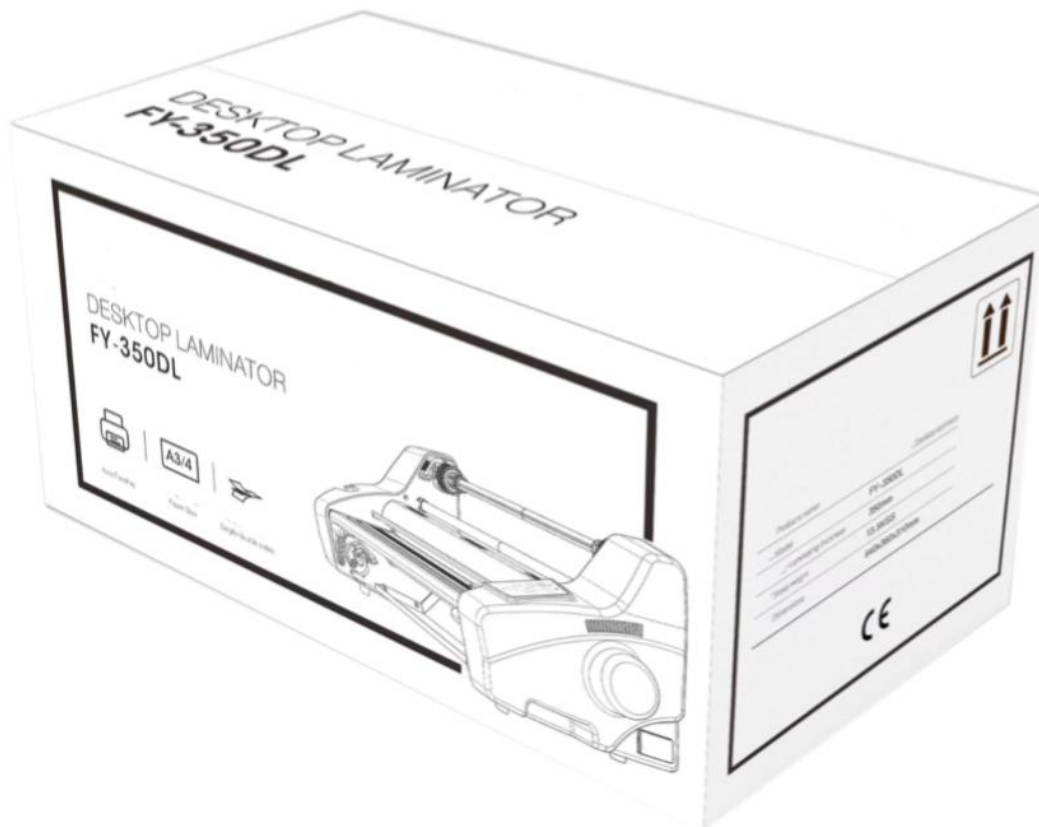
## Chapter 1 Safety Warnings

This manual contains all the information you need to properly unpack, operate and maintain your Sign-in-global Laminator. Before unpacking your laminator we suggest you read and follow the manual step by step. It contains essential information about each and every facet of your laminator. Pay special attention to the work environment and safety precautions necessary for your laminating unit.

### 1.1 Warnings

**IMPORTANT INFORMATION PLEASE DOES NOT DESTROY THE SHIPPING CARTON!**

Sign-in-global urges you to store the original carton in which your laminator was shipped. Should you ever need to return your laminator to our repair and service center, it is best repacked in the original carton to avoid damage during transport. Our special foam filled carton ensures the laminator's safe transit to our service facility. Failure to use original packaging will result in a repacking fee.



**Warranty:** A Full One Year Warranty will be issued from date of product shipment. Please supply the model and serial numbers on all correspondence concerning your laminator.

We warrant to the original purchaser the equipment manufactured to be free from defects in material and workmanship under normal use and service. Our obligation under this warranty shall be limited to the repair or exchange of any part or parts which may prove defective under normal use and service within two years from the date of shipment and which our examination shall disclose to our satisfaction

to be defective. Warranty does not include damage due to operator error or general maintenance.

**Note: You will be charged for the replacement of any parts, which are damaged as a result of improper packaging.**

## **1.2 Cautions**

The following warnings are important for operating this laminator safely to prevent damage or injury.

1. Use care in unpacking and lifting the laminator. Keep laminator level when lifting or moving.
2. The power source must be in accordance to that specified on the machine. Any change in power source consult you dealer before re connecting. (220V/110V, 50/60Hz.)
3. Consider work area, a cluttered workspace can lead to accidents. The laminator should be placed on a level sturdy surface, keep work area well lit.
4. Do not operate electrical devices in the presence of flammable liquids, solvents or in gaseous/explosive atmospheres.
5. Do not attempt to operate the laminator in damp or wet environments. Uses in correct and well-ventilated location, between 2-40 degrees C and humidity between 35-85%
6. Laminating uneven thickness of paper may give poor results.
7. Do not attempt to laminate documents with staples or paper clips, as this will permanently damage the machine.
8. Do not touch red heating rollers high temperatures are involved in this process that these rollers are very hot
9. Keep hands away from feed rollers and any other moving parts. Turn drive switch OFF before attempting to clear film wrap-around or jams. Use reverse feature to clear film. Do not wear any loose clothing, ties, jewelry, etc., which can be caught by feed rollers and draw any body part into the machine.
10. Watch out for cutter blade at rear of laminator. Blade is extremely sharp.
11. Do not operate laminator with any panels or guards removed. Panels and guards protect operators from such moving parts as the drive chain and sprockets, roller ends, etc.
12. Turn the drive switch OFF before walking away or leaving the laminator unattended.
13. Do not allow anyone to operate the laminator who has not received proper instruction and has not read the safety instructions.
14. Do not allow young children to operate this machine.
15. Do not dismantle or attempt repairs, always contact the supplies if machine requires repair.

## Chapter 2 Packing List

| No. | List                         | Quantity |
|-----|------------------------------|----------|
| 1   | Host                         | 1 set    |
| 2   | Plastic roller holder        | 4        |
| 3   | Screw for tension adjustment | 2        |
| 4   | Power line                   | 1 pic    |
| 5   | Philips screwdriver          | 1 unit   |
| 6   | User manual                  | 1 unit   |

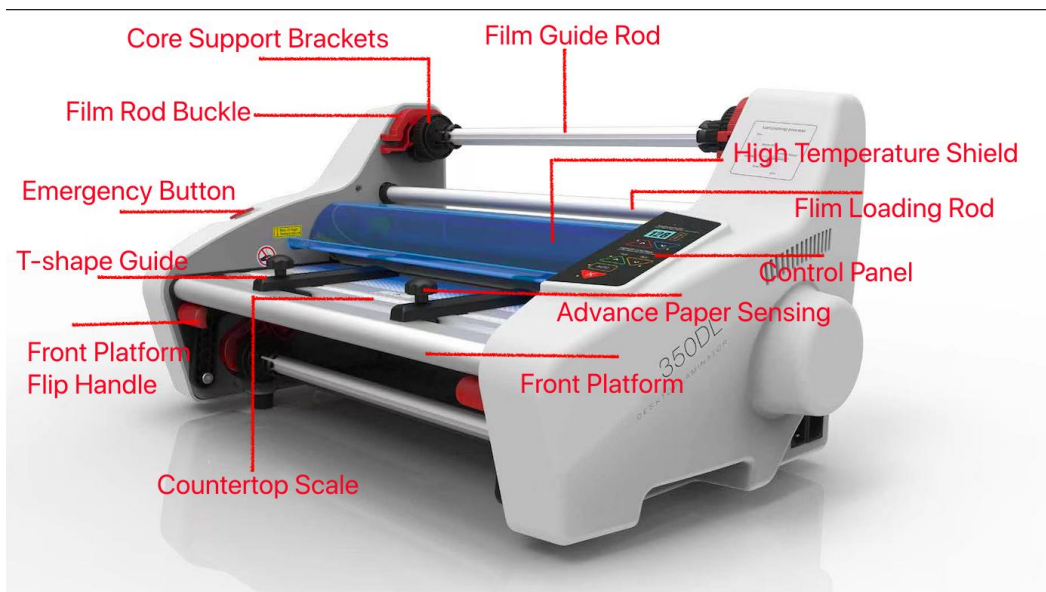
## Chapter 3 Specifications

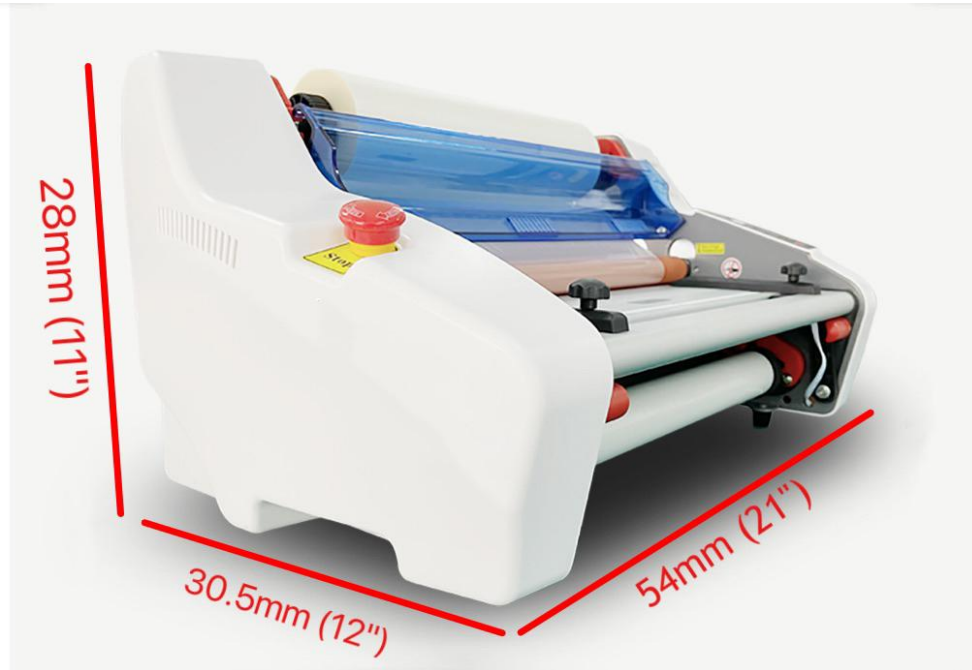
|                             |   |
|-----------------------------|---|
| <b>Model</b>                | FMJ-350-DL                                    |
| Laminating speed            | 150cm/min                                     |
| Max. Laminating width       | 350mm   |
| Laminating thickness        | 1.2mm   |
| Max. Laminating temperature | 180℃  |
| Membrane core size          | 1 inch  |
| Max. Power consumption      | 640W  |
| Power                       | 110V / 220V (50-60Hz) Optional                |
| Laminating Material         | Cold and hot film                             |
| Roller material             | Silicon                                       |
| Product size                | 540mm x 305mm x 280mm (21.3" x 12" x 11")     |
| Net Weight                  | 13.5KG (30lb)                                 |
| Shipping size               | 645mm x 370mm x 335mm (25.4" x 14.6" x 13.2") |
| Gross Weight                | 15kg (33lb)                                   |

## Chapter 4 Overview

### Description:

1. Safety protection: when the heating component failure, sensor failure, temperature exceeds the upper limit, the machine will automatically cut off the heating power supply, alarm, display error categories, into the protection of the state. Effectively protect the safety of machines and personnel.
2. Hot and cold laminating
3. Double-sided heating and double-sided laminating mode
4. Electronic temperature control: digital display, precise temperature control, and automatic constant temperature protection.
5. Film tension adjustable, paper feed thickness Step-less adjustable.





## Chapter 5 Check Before Installation

### Power and environment

**The following conditions must be fulfilled:**

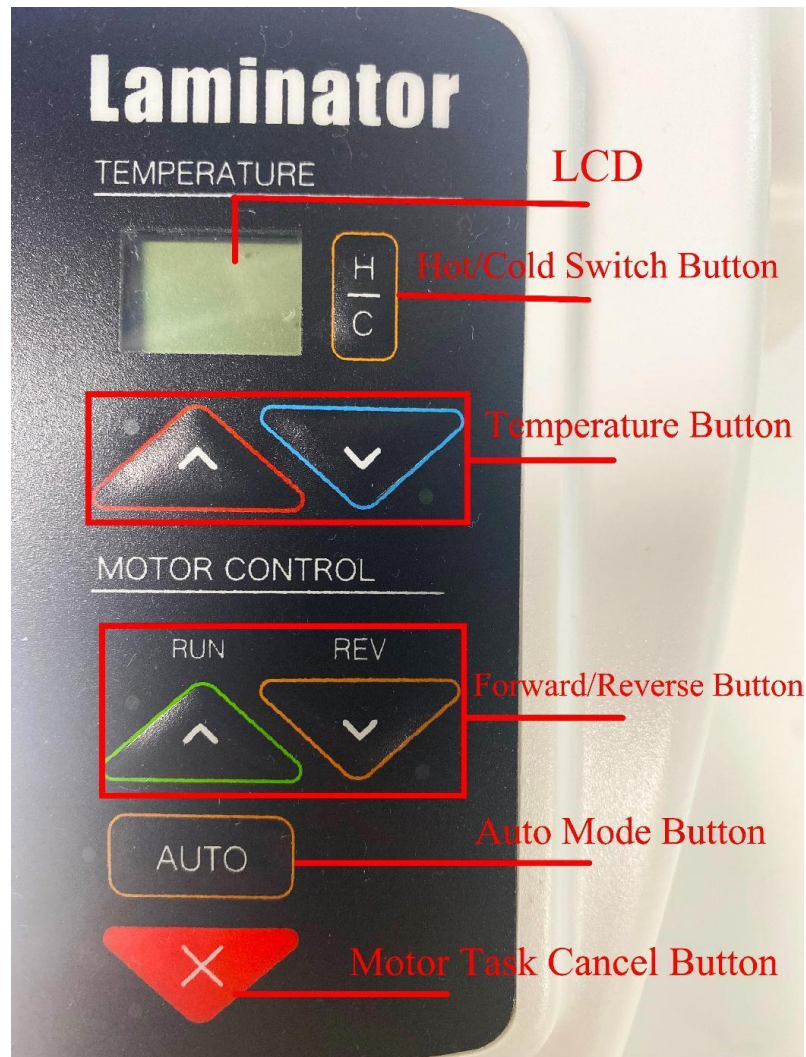
1. The power source must be the local rated.
2. Do not locate the machine near an open flame, in very dusty or dirty areas, or in direct sunlight. If installing the machine where it is exposed to direct sunlight is unavoidable, please pull the curtain closed to block the sunlight.
3. The temperature must be within the range of 2 to 40 degrees Celsius, and the humidity must be between 35% and 85%.

### Space requirements

Please refer to Figure to see the minimum space required for machine.



## Chapter 6 Panel Details



### 6.1 Digital display

#### 1. LCD

Color-changing backlit display:

Green backlit in cold lamination mode

Red backlit in hot lamination mode

The backlight will be flashing red in the heating state

The backlight will stop flashing after heating reached setting.

#### Tips:

Character flashing means the machine is in temperature setting state and will stop after 3 seconds after stop changing the setting value, which indicates that the current temperature setting value has been automatically saved and machine entered the heating/constant temperature state.

#### 2. Hot/ Cold switch Button:

Could realize the switching between hot and cold lamination mode



## 6.2 Temperature control

### Temperature adjustment Button:

1. Press any of these two buttons, the characters on the display start to flash, indicating that the machine has entered the temperature setting state
2. Red heating button, in the temperature setting state, press this button to increase the temperature setting value. The temperature shall be adjusted to your convenience within the range of 1 to 180 degrees Celsius.
3. Blue cooling button, in the temperature setting state, press this button to reduce the temperature setting value

## 6.3 Operating buttons

1. Forward / Reverse Button:  
**RUN** Press this button, the motor starts to run forward  
**REV** Press this button, the motor starts to run in reverse
2. Auto Mode Button:  
Press this button, the machine enters the automatic working mode, the front and rear feed sensor are activated to work: once the front feed monitoring senses covering, it will command the motor to run forward; once the back feed monitoring senses leaving, it will command the motor to stop; then the machine remains in automatic mode, waiting for the next sheet of paper to be placed.
3. Motor task Cancel Button:  
By pressing this button, all current motor tasks will be canceled and the motor will enter standby state.
4. Stop:  
The red button on the left side of the machine is an emergency stop switch, which can be pressed to stop the machine quickly when there is a risk of injury or the workflow requires stopping.  
If the display on the control panel does not light up, check whether the emergency stop button on the left side of the machine is break off. If so, just turn the emergency stop button clockwise to reset.

## 6.4 Mode Selection

The machine has 3 operational modes

1. Double-sided laminating.
2. Sided and pouch laminating.
3. Both red rollers cold for cold laminating.

## Chapter 7 Installation

### 7.1 The use of Film Rod Buckle

1. With a buckle design that can be opened quickly, first squeeze the red spring clip with fingers, so that the red buckle can be easily opened from the step of the black Snap-On base.
2. After putting the film-loading rod into the slot, cover the red buckle back, press down, and hear a "click", which means it is locked in place.

Closed State

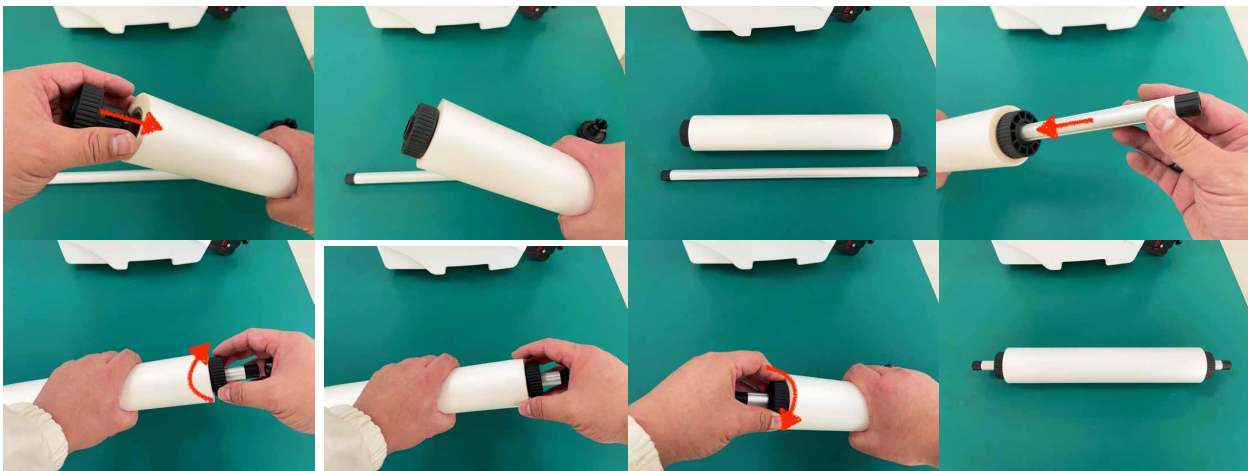


Open State



### 7.2 The use of Film Loading Rod

1. Insert the locking rings at both ends into the film core, then insert the film loading rod into and through both locking rings, tighten the two locking rings clockwise, and lock the film core to the rod complete the installation of the film roll.
2. Pay attention to reference the scale on the rod to ensure that the film roll installation position is centered.



### 7.3 Power On

1. Check the voltage on the nameplate on the right rear of the machine. After confirming that the local voltage matches that on the nameplate, insert the power cord plug into the socket.
2. Press the switch on the bottom right corner of the right cover. Toggle the rocker switch from "0" to "I", then the display on the machine control panel will light

up and show "---". If it does not show, check whether the power plug is connected to the outlet.

**Warning:** Never handle a power plug with wet hands: this may result in your receiving an electric shock.



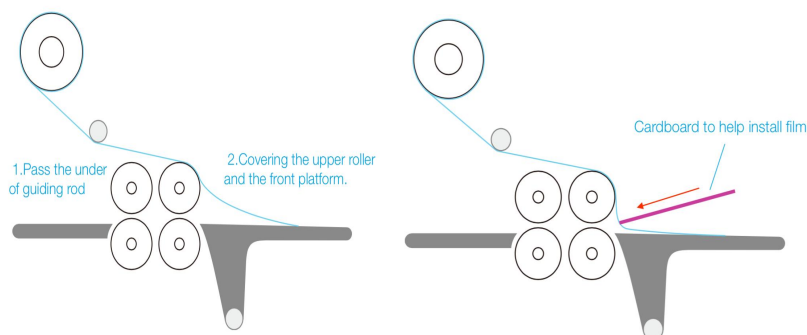
## 7.4 Film Install Steps

**Warning:** please install film in cold lamination mode

1. First pull out the upper film, pass under the upper film guide rod and cover the front of the upper rubber roller to cover the front platform, the blue transparent heat insulation cover can be flipped up to convenient film passing. As the picture shows:



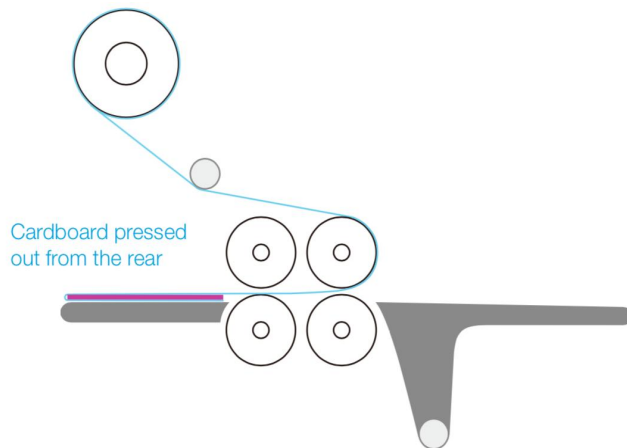
2. Prepare a piece of cardboard with a width of around 300mm and a thickness of less than 0.5mm. Hold the cardboard against the film and push it into the gap between the upper and lower rollers. As the picture shows:



3. Then press the RUN button on the control panel to make the motor run forward, while push against the film with cardboard to be pressed into the rollers together with the film. As the picture shows:



4. When the cardboard is pressed out from the rear of the roller with the film, press the red motor task cancel button "X", and then take the cardboard out for use. As the picture shows:

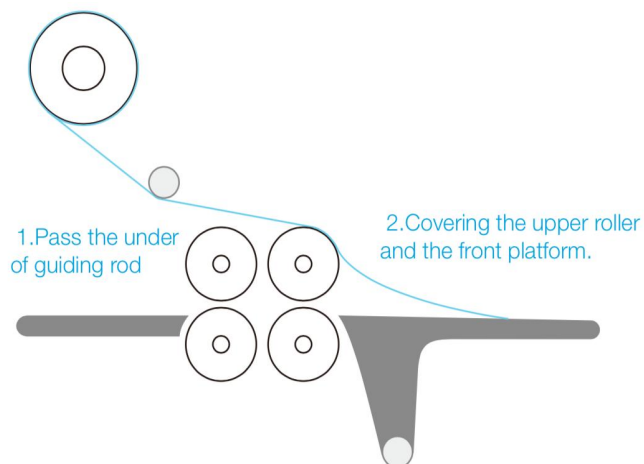


5. Install the lower film: first flip up the transparent heat insulation cover, then flip open the front platform (pull the red locking handles on the left and right under the platform at the same time to unlock), then remove the film loading rod, install the film roll, then install Back (the same method of film loading as upper one). As the picture shows:

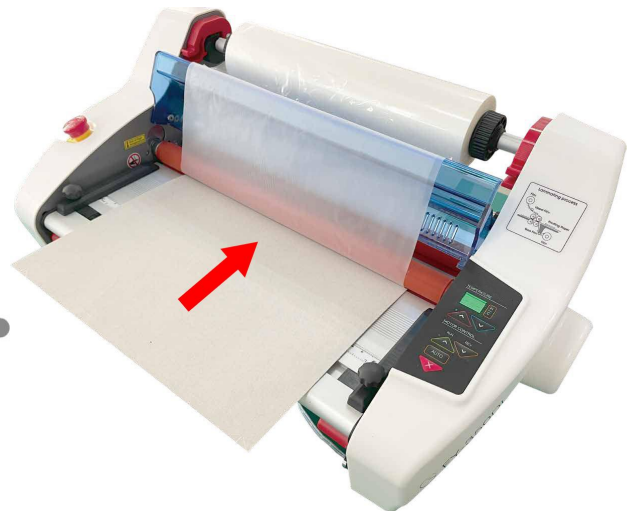
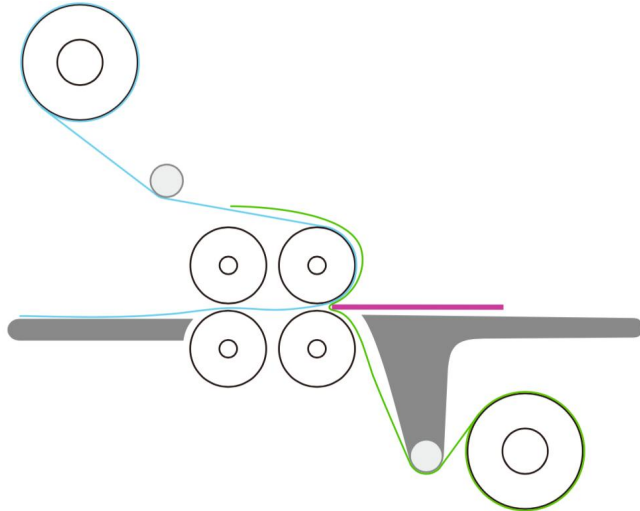




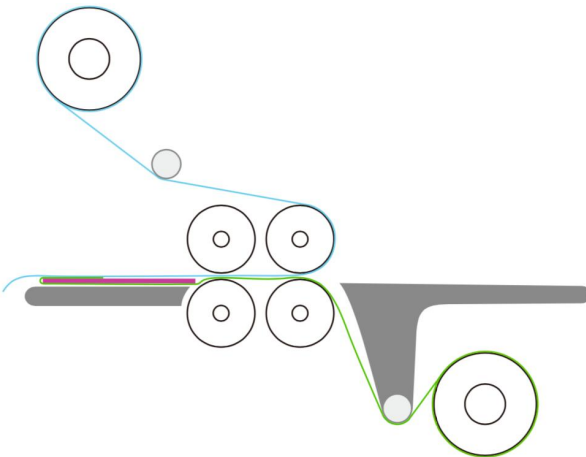
6. Pull out the lower film, and stretch it with one hand, flip the platform back and lock it with the other hand, hearing a "click", indicating that it has been locked well. As the picture shows:



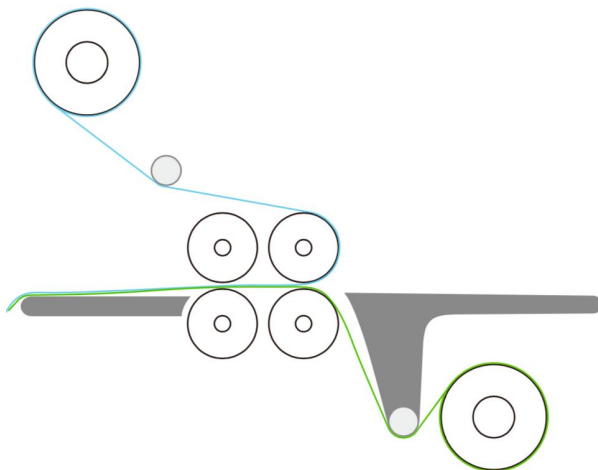
7. Press the cardboard against the lower film, push it into the gap between the upper and lower rollers, and press the RUN button on the control panel to make the roller start to run forward and press the film and cardboard into the rollers. As the picture shows:



8. When the cardboard is pressed out from the rear of the roller with the lower film, press the red motor task cancel button "X", then take out the cardboard and save it for the next time the film installation. As the picture shows:



9. So far, we have completed the installation of the upper and lower film. The hot and cold lamination function can be switched, and the lamination can be started when the machine reaches the preset temperature.



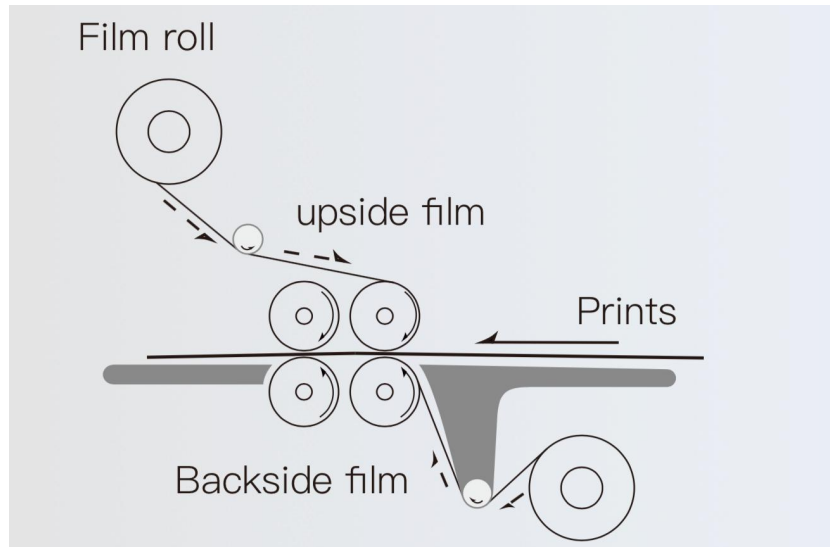


## Chapter 8 Working Diagram

### 8.1 Double-side & Single-side Lamination

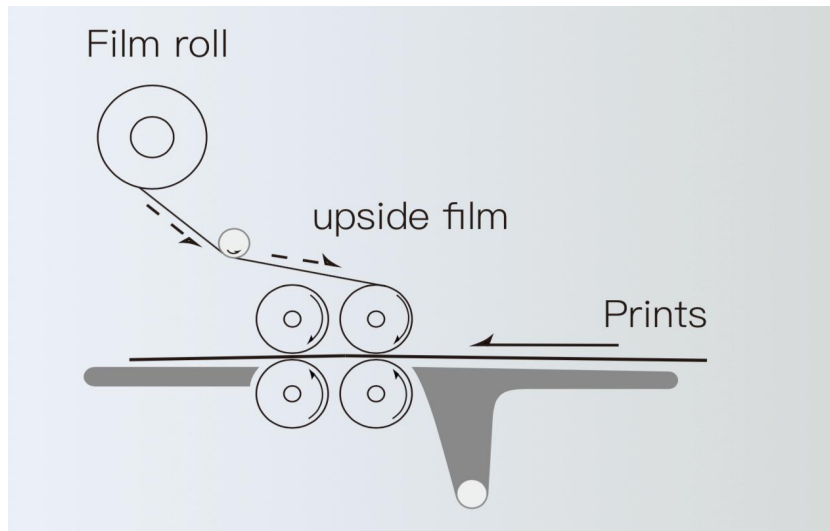
#### 1. Double-sided lamination:

Install both upside and backside film while lamination.



#### 2. Single-sided lamination:

Only install the upside film material, and not installed the backside film.



### 8.2 AUTO Model

350DL has an automatic working mode, which can cooperate closely with the user to complete the lamination work efficiently. This mode is suitable for lamination processing of small batches of pictures, menus, business cards and other products. Press the "AUTO" button on the control panel, the left side indicator will light up, indicating that the machine enters the automatic working mode:

The front and rear paper feed sensor is activated: once the front feed sensor senses the paper covering, the motor will automatically run forward, while the rear sensor senses the paper leaving, the motor will automatically stop running, and automatically enter the next automatic cycle.

To exit the automatic working mode, simply press the red cancel motor task button "X" to exit.



**Tips:**

**Recommended to process 2-3 samples before commencing.**

1. After the confirmation of laminating test, user adjusts the positioner of the in feed table, according to the width of object that needed to laminate, in order to center the object on the film.
2. Two or three papers are left. It should adjust to cold laminating when it comes to an end. Prepare a board paper before finished. (The kind of paper can be recycled. Or film in the upper and lower roller will be heating continuously. More than that the film be out of shape and may result in trouble.) Press red button when the paper is out of machine. Laminating stops and power off after several minutes.

## Chapter 9 Maintenance

**MAKE SURE THE MACHINE IS OFF AND DISCOUNNECTED FROM THE POWER SUPPLY.**

### 9.1 Maintenance

1. Regular cleaning of the rollers, the rollers can get contaminated with adhesive and dirt, (making sure the film rollers are correctly aligned will minimize the amount of adhesive on the rollers.)  
Note:  
Use only approved cleaner and a lint free cloth the clean the rollers, (other liquids can damage the rollers and give poor quality laminating)
2. If after using for a period of time, you feel that the motor drive noise is relatively loud, please open the machine chassis and squeeze a little lubricating oil on the gear set.

3. If idle for a long time, please adjust the pressure of the roller spring to the most loosely to prevent the roller surface from being deformed due to long-term extrusion.
4. Avoid hard and sharp objects from scratching the roller

## **9.2 Cleaning Process**

1. Use a dry cloth and alcohol to clean the roller.
2. Front and rear platforms can be flip open. The front platform has locking handles, which needs to be unlocked and then flip; the rear platform is magnetically attracted and can be opened with a little force.
3. Turn the rollers by long pressing **SUN** and **REV** during cleaning to ensure that their entire surface is cleaned.

### **Important note**

Please do NOT use any cleaner or solvent to clean roller. Staying rollers cold, clear the film manually away and use alcohol to clean any surplus film and glue. Do not use any cleaner may chemically reacts with heated roller, such as gasoline, and sharp and hard objects can scrape rollers.

## **Chapter 10 Problem Solving**

### **10.1 Laminating adjustment:**

The first time you use this film, it should test the laminating first so as to get the best results. (The following are the solutions of the common problems)

1. Indistinct laminating: Increasing laminating temperature properly
2. Wrinkled laminating: Increasing the tension of wrinkled side of film roller (the tension of upper and lower films is evenly)

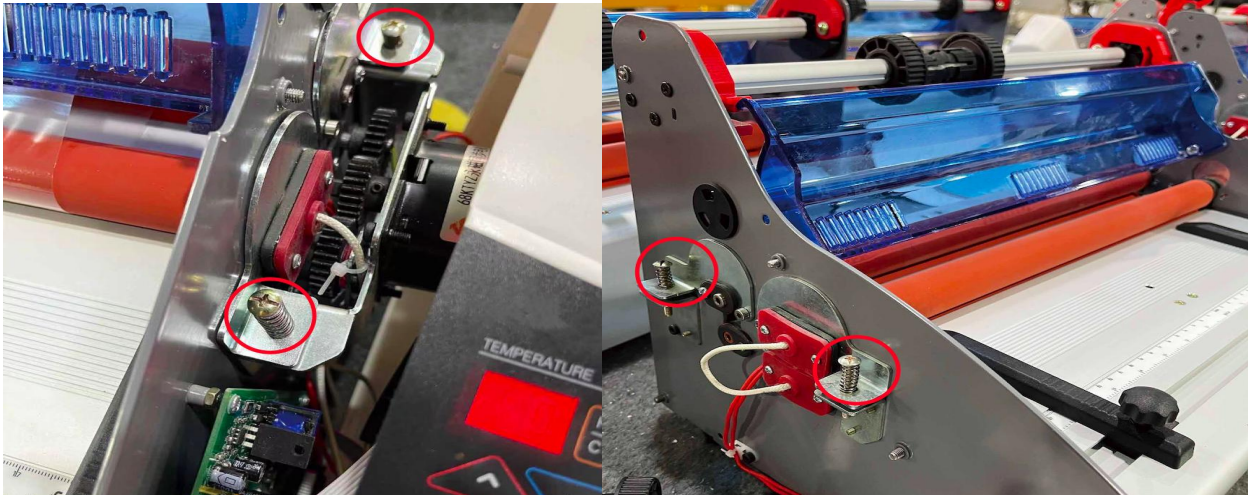
3. Curly laminating: The tension of upper and lower film is not consistent

Upward curling: decrease the tension of upper shafts or increase the tension of lower shafts

Downward curling: increase the tension of upper shafts or decrease the tension of lower shafts

### **10.2 Adjust the roller pressure**

1. Open the machine chassis on both sides, you can see the pressurizing spring and pressure regulating bolts on the roller bracket. Use a Phillips screwdriver to screw down the pressure-regulating bolt to press more on the spring to increase the pressure of the roller; on the contrary, loosening the spring means reduced roller pressure can be achieved.
2. Try to maintain the pressure balance on both sides while making adjustment.



### 10.3 General troubleshooting

1. Display board does not light up when turn on the machine

Check whether the left side emergency stop button is disconnected or not, twist the emergency stop button clockwise to complete the emergency stop reset, the display board will light up normally

2. The pressure film will be shifted to one side, wrinkled

The film is not installed in place, you need to cut off the film and re-install it.

The pressure on the left and right side of the rollers is not balanced, open the over and adjust the pressure screw with a screwdriver until the pressure on both sides is balanced.

3. The motor does not run and makes noise

The material is too thick, causing the rubber roller rotation resistance exceeds the maximum load of the motor, need replace with thinner material

Too much pressure, open the cover, adjust the pressure screw with a screwdriver, reduce the spring pressure, until the motor rotates normally.

Check whether the film is rolled up on the rubber roller or not. Control the motor running direction in time, and pull out the film material rolled on the roller surface. (Pay attention to the safety during operation)

4. Motor will run automatically even if there is no paper during auto mode

The sensor probe lens is dirty; just wipe it with alcohol cotton

5. No resistance in film rolls rotation

The friction block, which located inside the red locking snap is worn out due to prolonged use and needs to be replaced with a new friction block.

| Symptom                       | Cause  | Solution  |
|-------------------------------|--|---|
| Machine does not switch on    | Power source is off<br>The fuse blows out  | Ensure that the power cord is connected<br>Replace a new fuse   |
| Poor adhesion                 | Heating temperature is not enough<br>Film roller not right place<br>Heating roller should be cleaned<br>The project is not fit to laminating             | Rise laminating temperature<br>Installing the film roller again<br>See in MAINTENANCE<br>Surface is dirty       |
| Curly laminating              | The tension of upper film roller are not in accordance with the tension of lower roller<br>Temperature is too high<br>Film not pass the smoothing roller | Adjust the tension of upper & lower rollers<br>Lower the temperature<br>Check and install the film roller again |
| Surplus glue on heated roller | Upper and lower film rollers are consistent<br>The adhesive side is opposite   | Aligning film rollers (See details in Installation)<br>Check and install again                                  |