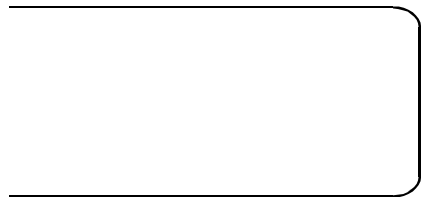


ROLL LAMINATOR

OPERATION MANUAL

Please read this manual carefully before operation



SPECIFICATION

Model	360	650
Operate mode	Electric	
Max. laminating width	340 mm	635mm
Max. laminating thickness	5 mm	
Max. laminating temperature	140 °C	
Max. laminating speed	1.6 M/min	
Recommended film	Up to 250 mic	
Diameter of heating roller	44 mm	55 mm
Diameter of pull roller	30 mm	45 mm
Power supply	100, 110, 220-240V / 50, 60Hz	
Power	650 W	1600 W
Dimensions (L x W x H)	620x520x310 mm	910x520x310 mm
Weight	28 kg	38 kg

MAINTENANCE AND SERVICE

OBLEM: Wrinkling of the plastic on a laminated material.

LUTION: Check the tension of the film, make sure the film is threaded properly (see film threading).

OBLEM: Film is not properly adhered.

LUTION: The laminating temperature is too low, there is not enough heat for melting the adhesive. Increase the laminating temperature.

OBLEM: The laminated material seems to have an irregular surface that does not match the texture of the paper being coated.

LUTION: This is usually caused by adhesive build-up or dirt on the rubber rollers. Inspect the rubber rollers and clean them.

Damage to the rubbers can also cause irregularities in the surface of the film.

OBLEM: General haziness or cloudiness in the film after lamination.

LUTION: Increase the temperature or decrease the speed. That haziness is a function of incomplete adhesion. On a variable speed machine loaded with thicker film, it may be that the film is being run too fast.

If problems not listed here, contact your local dealer.

Service

When service is required, please provide the following information:

The detail of the problem

Installation Date

Serial number

CONGRATULATIONS

Thank you for purchasing and using our laminator.

You have purchased the finest laminator available in its service class. It was designed and manufactured to provide you with the utmost in utility. With any device that combines power and movement in its use, there are dangers if improperly used. At the same time, there are easier and faster ways for getting the job done if certain precautions are taken first. Please read this manual carefully. It contains useful ideas in obtaining the most efficient operation from your laminator and safety procedures you need to know before beginning use. Save the manual for later use.

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SAFETY PRECAUTIONS



WARNING

Please do not use broken, aging or self-made electrical wire and damaged supply cord. Please do not immerse the electrical wire, to avoid the fire or electric shock.

Please do not use the power supply that is not in accordance with the rated voltage, to avoid the fire or electric shock.



NO DISJOINT

Don't disjoint, modify and repair the machine yourself. In case some articles entangled, press the REV button right away; if not workable, cut off the power supply at once, and contact your dealer for settlement.



ENTANGLEMENT CAUTION

Keep hands, long hair, loose clothing and articles such as ties or necklaces away from the front of the heating roller and pull roller to avoid entanglement. In case some articles entangled, press the REV button right away.



ELECTRIC SHOCK CAUTION

- Do not make the electrical wire or plug or the machine bedewed by water or other liquids.
- Do not operate the machine with wet hand.
- Do not make the machine pressing on the electrical wire.
- Do cut off the power supply while moving the machine.
- Do not operate the machine with the cover open.



HIGH TEMPERATURE CAUTION

- Do not put articles on the laminator while it is working, so that to disperse the heat.
- Do not insert the easy-burnt or easy-softened material into the machine, in case they are melt and give rise to smoke.
- Do not touch the cover, heating roller and heating parts while the machine is working, in case heat injury.

MAINTENANCE AND SERVICE

PROBLEM SOLUTION

Please read this section before you have a problem

PROBLEM: No power is getting to the machine.

SOLUTION: Make sure there is power at the electrical outlet being used, and make sure both ends of the power cord are firmly engaged. There are fuses inside the laminator, but dead outlets and loose power cord connections are most common causes this problem.

PROBLEM: Wrinkling of the film around the material being laminated.

SOLUTION: This is normal and inevitable on any laminator, especially with thicker material. These wrinkles will be trimmed away with the scrap, so they will not affect appearance. Because the rollers are being held apart by the paper, they cannot pull equally on the plastic around the paper. This creates wrinkles that tend to look like the bow waves of a boat, radiating out through the clear part of the web from the sheet of material.

PROBLEM: When two pieces of material are laminated side by side, the plastic adhesive to one piece but not the other.

SOLUTION: To get maximum efficiency from the film rolls, you can fit several items into the laminator side by side. However, wrinkling can occur if these items are of unequal thickness, because the laminating rollers are lifted by the thinner items by the thicker items. When laminating items side by side, it is important to arrange them so that the thickness is the same.

PROBLEM: Film gets wrapped around the laminating rollers while laminating.

SOLUTION: The film is threaded improperly. If the adhesive side faces the roller, the film will be wrapped around the rollers. Thread the film in the proper position.

If the laminating temperature is too high, the film will be melted and wrapped around the roller. Decrease the laminating temperature.

Press the STOP button immediately. After the roller cools down, cut the film from the top and bottom, just in front of the stabilizer bars. Reverse the roller at a very low speed and allow the machine to back out the film that is wrapped around the rollers, pull the film off the roller.

MAINTENANCE AND SERVICE

GENERAL MAINTENANCE

Do not laminate the metal or other hard items in case the damage of the rubber rollers.

While stop the laminating, lift the top rubber roller with the knob on the right side of the machine. Do not press the rubber roller in case the rubber become flat and thus shorten its work-life.

Cleaning the machine timely will help prevent dirt or adhesive build-up on the rubber rollers and will improve the performance of the unit.

CLEANING THE RUBBER ROLLERS

During the normal lamination, excess adhesives from the film will often cling to rubber rollers.

















To clean the rubber rollers, lift the rubber roller, remove the film from the machine first, heat up the machine to 30-40 °C. The warm roller enable it easier to remove the adhesive built-up on the rollers. Raise the safety shield and take out the feed table. Using a clean, soft, ethanol dampened cloth, gently rub the adhesive off the rollers.

CAUTION: Never use any abrasive or sharp metal material or rub too hard on the roller, because you may damage the rubber surface.

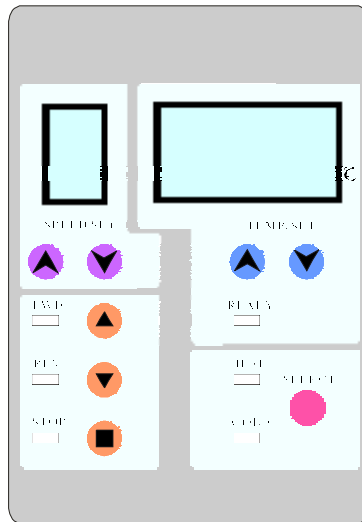
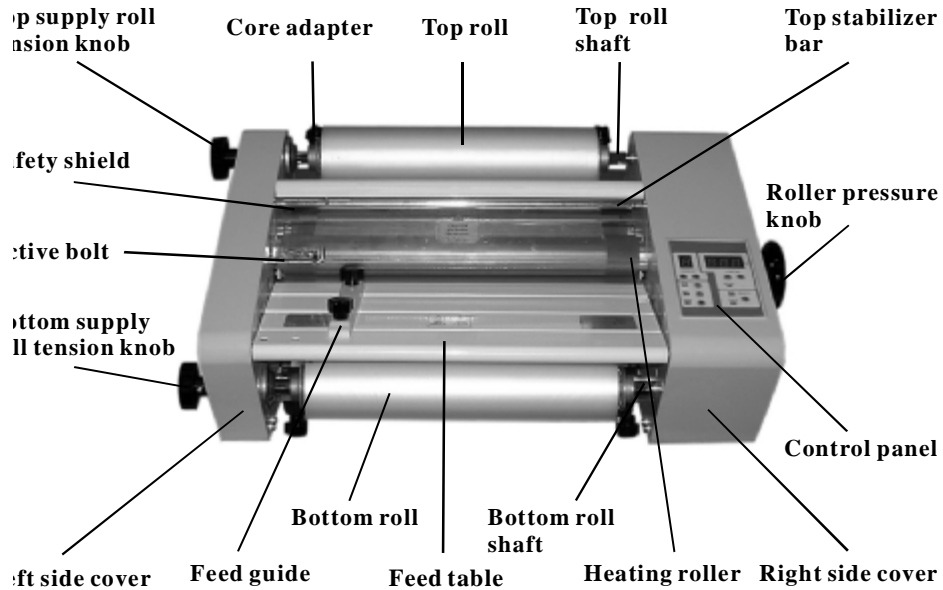
Press FWD or REV button, the roller will run, cleans the roller. After cleaning, position the feed table and slide on the safety shield.

CAUTION: if the film gets wrapped around the roller, press STOP button (stop heating) immediately. **WARNING:** do not use any cleaning solution to clean the roller, because some solutions may burn on the hot roller. After the roller cool down, cut the film on the top and bottom, just in front of the bilizer bars. Reverse the roller at a very low speed and allow the machine to back out the film that is wrapped around the rolls, pull the film from the roller. Clean the adhesive on the roller.

SAFETY PRECAUTIONS

 CAUTION	
WORKING PLACE	<ul style="list-style-type: none">  This machine should be put at the dry and clean place, do not put at the damp place or near the exit of cooling appliances.  This machine should be put on the horizontal and firm place. front and rear of the machine, there should be sufficient place for the document in and out.  Do not put any articles on the machine.
LAMINATING FILM	<ul style="list-style-type: none">  Please use good quality laminating film, in order to show the lamination effect, and avoid the entanglement.
OBJECT	<ul style="list-style-type: none">  The laminating machine use the hot press technology, do not use the following objects in case laminating failure or laminating film entangle. <ol style="list-style-type: none"> 1. Easy-burnt material, easy-softened material 2. The document printed by heat-sensitive paper, or any article that can be faded or transformed after heating. 3. Any articles that have drape, breakage, dampness or deformation before laminating. 4. Coin or any other hard articles. means exception while cold laminating operation.  Do not attempt to laminate articles that exceed total recommended material thickness.
MACHINE OPERATION	<ul style="list-style-type: none">  Do not turn to other usages except the usage range stated in the operation manual.  Do not use the machine outside the room. Before leaving, please cut off the power supply if the operation is over.  If there are any problems on the machine, please do not use it, send it to the dealer for repairing.
 ADVICES	
<ul style="list-style-type: none">  While operating the machine, mind the children nearby, in case any suddenness  Do not suspend the electrical wire on the table or cabinet or any other place that the children can touch, or place easy stumble persons.  Using the accessory that not recommended or sold by the manufacturer, might cause damage on the machine.  The photo or document once is laminated, it will become permanent and will not be taken apart.  Please do not laminate the collected rare articles, or some articles might be taken out in the future. 	

STRUCTURE AND CONTROL PANEL



OPERATION INSTRUCTIONS

HOT LAMINATING

1. Turn on the machine, press the SELECT button until the HOT lamp is light, the machine begin heating. Set the temperature for whatever film is being used.
2. The laminator will be ready to operation in about 10 minutes.

1) Trial lamination

If the roll film is the first time to be used, the trial lamination is required for perfect result. After the READY lamp is light, close the rollers with the knob on the right side of the laminator, press FWD button, let at least 250mm of film go through the rollers before inserting the items to be laminated. Examine the film coming out the back of machine.

Adjust the machine according to the above instructions until you have perfect lamination result.

Remember: This machine has auto memory function, that means if you work on the same roll, after the machine is switch on, the temperature and speed will be set to the same figure of the last operation before it was swi off. You can start lamination work directly.

- 2) After the trial lamination has a satisfied result, position the feed guide according to the width of the item to be laminated, entering the item in the view of film.

Remind: keep clear and enough space behind the machine, so that the laminated item can come out easily, it will not wind onto the rubber roller. If the machine is stopped for a long period, set the temperature decreased 5-10 this will prolong the work-life of the machine.

Stop the machine after the item to be laminated pass through the roller completely, otherwise there will be an imprint on the item.

Temperature setting

Normally, your film supplier should provide the information about the film application temperatures and operating characteristics. If you do not know the source of your film, or if the supplier cannot provide the information, please set the temperature and speed until you have the best result.

COLD LAMINATING

Press the SELECT button until the COLD lamp is light, set the speed at level 1 or 5. Load the cold film as the same procedures of hot film; or insert the cold film and the item to be laminated into the roller simultaneously.

CAUTION: The adhesive side must face away from the roller.

OPERATION INSTRUCTIONS

mark: Usually the shiny side is the polyester side, it contact the roller. The dull side is coated with adhesive. For the matte film, the two sides have no difference, please especially be careful. Heat the film with lighter can easily tell the polyester side and adhesive side. The adhesive side must face away against to the roller.

Step 4: Turn the roll shaft to the right side, lift and then take out the shaft. Slide the roll onto the roll shaft (follow the above instruction, do not load the film in wrong side). Hold the roll film on the core adapter, the core adapter can hold the edge of the roll film, to prevent it rotating. Screwing the bolt on the core adapter.

Step 5: Push both hexagonal fittings into their respective brackets. Make sure they are fully seated.

CAUTION: For hot laminating, the top and bottom roll film must have same length, besides, the top film and bottom film must be aligned. (If the film is not alignment, loose the bolt on core adapter and align it.)

Step 6: With both roll films threaded and installed in their respective brackets, wind the top and bottom supply rolls about half-turn each. This will provide enough slack in the web to allow the feed table to slide on easily.

Step 7: Slide the feed table into position and lock the active bolt.

Step 8: Position the safety shield forward toward the roller and lock the active bolt.

mark: the machine will not power on without the feed table and the safety shield in the proper positions.

Step 9: Make sure there is still enough slack in the web. Close the rollers with knob on the right side of the laminator. With the film draped over the two threading rollers, and melted or taped together, push one edge of the threading card between the heating rollers so that the film is firmly positioned. Make sure the rollers are in closed position. If a threading card is not available, any piece of hard stock or poster board will work.

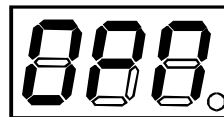
Step 10: Push the FWD button. If the film and the card are in the nip (the point where the top and bottom roller meet), the film and the threading card will start to move through the laminator and will pass through both sets of rubber rollers. When the threading card has cleared the back of the machine, press the STOP button.

CAUTION: For operator safety, the safety shield must be in position over the heater when the machine is ON, or the FWD button is pressed.

FUNCTIONS OF DIGITAL DISPLAY AND CONTROL PANEL

1. Digital display and Functions

1) Protecting function of temp sensor's open circuit and short circuit



When the sensor is in open circuit, shows "OPN"



When the sensor is in short circuit, shows "CLS"

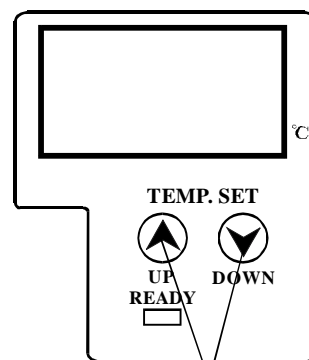
Note: No matter what problems happened, the machine will cut off heating power supply automatically, and the motor will stop running. If motor running required, press the FWD or REV button continuously.

2) Auto memory function

The machine will automatically remember the figure (temperature and speed) of last operation, and will adopt it in this operation, in order to convenient operation.

2. Button function of control panel

1) Temperature control

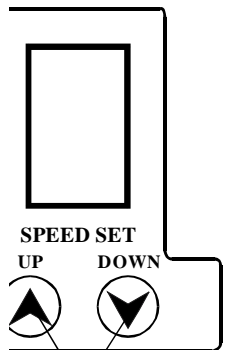


Temp control button

- A) These can be used for increasing or decreasing Temperature manually. The temp can be increased or decreased by 1 when these buttons are pressed. Pressing the UP button, the temp will be increased or decreased continuously until you loose the button.
- B) The range of temp that can be adjusted manually: 0 -140 .
- C) When the temp reach 140 , the over-heat protect system will run automatically.
- D) When pressing the temp control button, it indicates the setting temp. When losing the button for a few seconds, it indicates the present temp. automatically.
- E) When the setting temp is reached, the READY light is light.

FUNCTIONS OF DIGITAL DISPLAY AND CONTROL PANEL

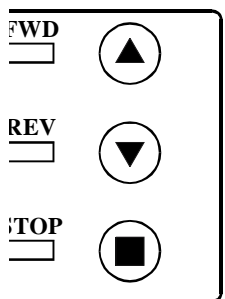
2) Speed control



- A) These can be used for increasing or decreasing speed manually. The speed can be increased or decreased by unit to 1 speed when these buttons are pressed.
- B) The range of speed that can be adjusted manually is speed 1-9.

Speed control button

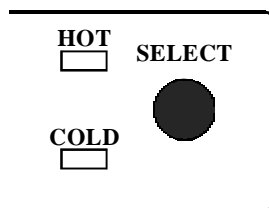
3) Forward, Reverse and Stop control



Press FWD or REV or STOP button can change the working condition of the machine.

- A) Motor runs forward, the laminating film in, the machine works.
- B) Motor runs reverse, the laminating film out. This function is used for remove the object inserted by mistake.
- C) Motor stop. This function is used for pre-heating, standby.

4) Function selection



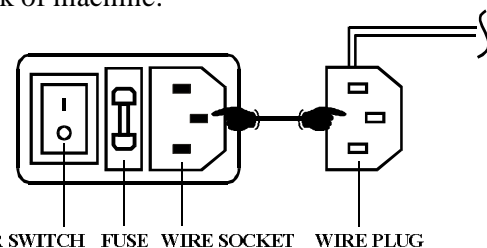
- A) Press the SELECT button to change the function of machine between hot and cold lamination.
- B) While the HOT lamp is light, the machine is on hot laminating.
- C) While the COLD lamp is light, the machine is on cold laminating.

OPERATION INSTRUCTIONS

PREPARATION

1. Connecting the power source

- 1) Checking the rated voltage on the machine, to insure it conform to the power source. Also, checking the plug to insure it conform to the socket.
- 2) If the electric wire does not connect with the machine, connect it with the power socket on the back of machine.



POWER SWITCH FUSE WIRE SOCKET WIRE PLUG

- 3) Insert the plug into the power socket that is grounding correct.
- 4) Turn on the power switch, the display light, it indicates the power is connected.

2. Film threading

Step 1: Raising the safety shield.

Remove the active bolt on the shield, raise the safety shield.

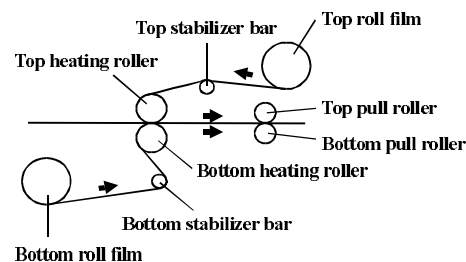
Step 2: Taking out the feed table.

Remove the active bolt under the feed table, take out the feed table.

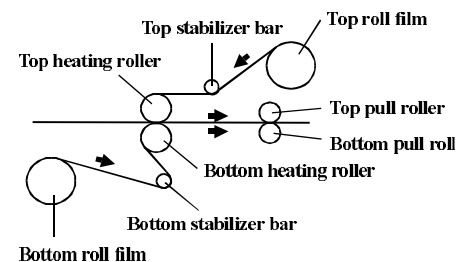
Remark: the machine will power off when the safety shield and the feed table are not in their proper positions.

Step 3: Follow the diagram to thread the film

Film outside top stabilizer bar



Film inside top stabilizer bar



Film Threading Diagram