

Lamitek SL-14 Professional Photo Laminator

Instruction Manual



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OWNER'S MANUAL

Model SL-14



Read all instructions
carefully before use.

Lamitek International

TABLE OF CONTENTS

Major Parts 3

Characteristics of SL-14 4

Safety Precautions 5

Temperature Control 6

Speed Control 7

Operation 8

 Hot Laminating 9

 Reverse Function 10

 Photo Laminating 10

 Mounting, Transfer or Foil Fusing 11

 Cold Laminating 11

 Help Hints 11

Lamination Guide (Hot) 12

Specification 13

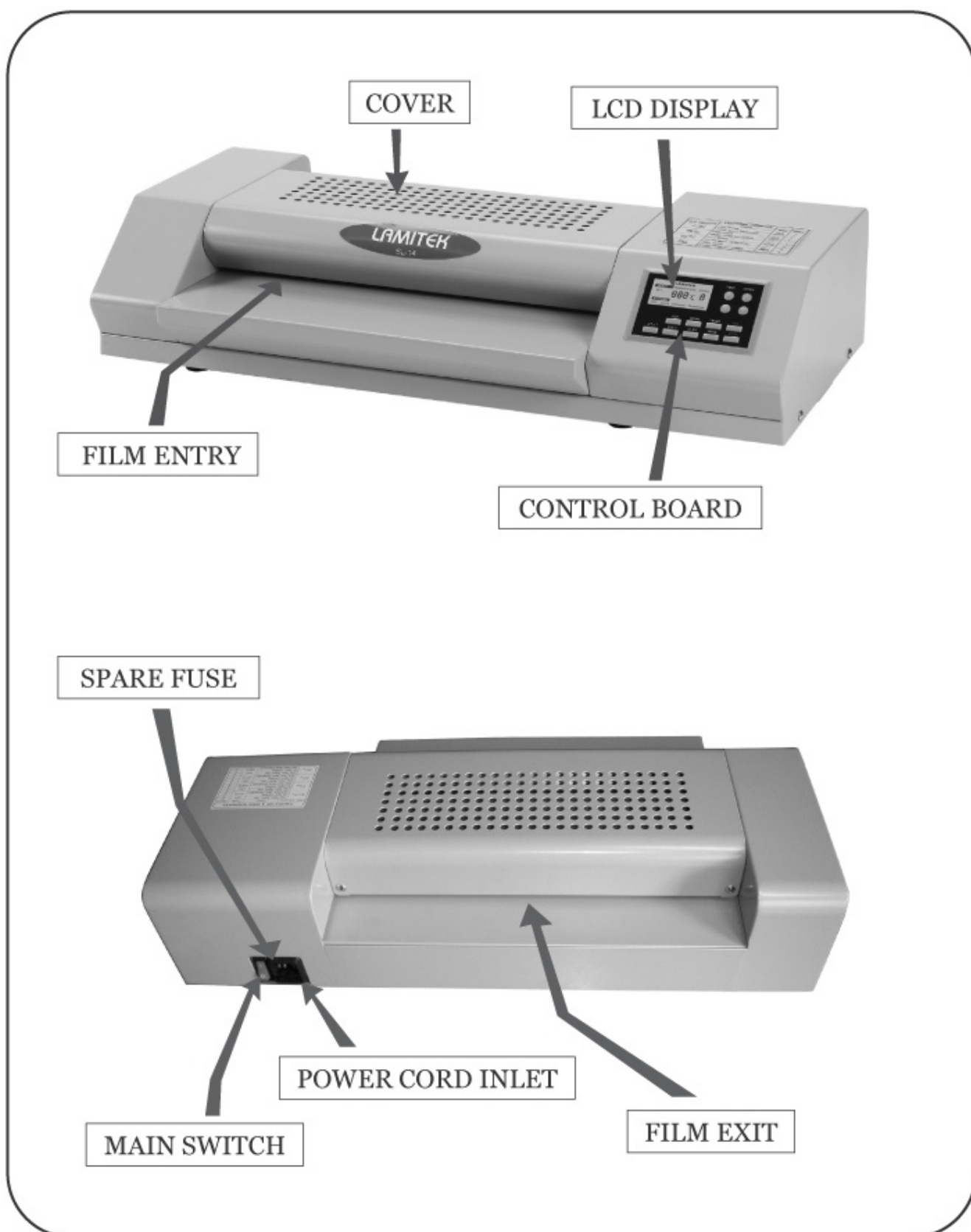
How To Clean 14

Trouble Shooting 14

Limited One Year Warranty 15

MAJOR PARTS

Description



CHARACTERISTICS OF SL-14

1. Hot Lamination Function

SL-14 is the perfect pouch laminator specially designed for commercial lamination for all types of photos, documents and digital color prints up to 10 mil.

2. Lamination with Carrier

You may laminate with or without carrier.

Please note that lamination with the carrier might result differently because of the carrier.

3. One Touch Control

You can control the temperature and speed of SL-14 very conveniently by a single button on the control board.

4. Digital Display

LCD displays the set temperature and speed. You also can monitor the working temperature on the LCD display by pushing the "MEASURE" button on the control board.

5. °C or °F

You can convert from °C to °F by a button on the control board, and vice versa. Once you change the display, it will remain until you change that again.

6. Maximum Width 14" (350mm)

Entry size for pouch is 14"(350mm), which is wide enough for Menu size(12" x 18") or A3(303 x 426mm)

7. Maximum Temperature 160°C

You can set the temperature up to 160°C, which is good not only for lamination without carrier, but also lamination with carrier.




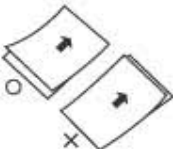



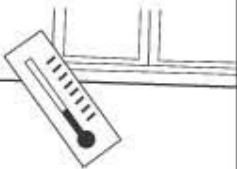

8. Cold Lamination

SL-14 has the function of cold lamination for heat sensitive prints.

9. Easy Maintenance

You can open the cover and clean the rollers easily.

SAFETY PRECAUTIONS

	The recommendations outlined in this section are to be read and followed before operating this machine. Keep the information for future reference.
	To prevent the possibility of a fire or injury, do not allow foreign articles or paper clips inside the machine.
	Do not attempt to laminate the items that exceed total recommended thickness.
	Do not insert the pouch with the unsealed side first. This may cause the pouch to jam the rollers.
	Keep the laminator away from moisture or wet environment.
	Because the laminator creates heat, keep out of reach of children.
	Do not cut the pouch before inserting. This may cause the laminator to jam.
	This machine is intended for indoor use only. If room temperature is low (under 64°F), the ready signal may take longer to come on.
	Do not operate the machine if plug or cord is damaged. Contact a qualified electrician.

TEMPERATURE CONTROL

Temperature



Press the upper key to raise or lower key to reduce the temperature according to requirement. The setting range is 0°C-160°C (32°F-320°F) by one degree°C(°F) increment. These keys override any temperature set by function keys.

Function keys



Sets SL-14 to 100°C (212°F) and speed zero automatically. When the roller warms up, SL-14 runs at the speed 4 automatically.



Sets SL-14 to 130°C (266°F) and speed 3 automatically.



Sets SL-14 to 150°C (302°F) and speed 2 automatically. This key is provided for laminating hard board(up to 2.0mm(80 mil) of thickness), foil fusing, transfer of image or something that requires high temperature.



Sets SL-14 to 80°C (176°F) and speed 2 automatically.



Sets SL-14 to 18°C (64°F) and speed 2 automatically.



This key reveals current temperature of rollers while you press this button.



If you press this key, the temperature converts from °C to °F or vice versa.

SPEED CONTROL

SPEED



Laminating speed can be controlled by these control buttons. There are six speed steps(1-6) available in SL-14. Maximum laminating speed is about 51"(1300mm) per min and the lowest speed is about 15"(380mm) per min.



This key is provided to stop the laminator. If you press this key when the laminator is hot(90 °C or 194 °F or above), SL-14 is set to speed 2 and temperature 0. And when SL-14 reaches below the 80 °C (176 °F), SL-14 stops. If you push this button again, SL-14 stops regardless of the temperature. If you push this key when the laminator temperature is low, it stops running immediately.



This key is provided for emergency. When you misfeed or have trouble, you can reverse the roller by pressing this button and get it out of SL-14.



After laminating at the temperature over 90 °C (194 °F), please do not stop the roller for a while to protect the roller

OPERATION

Before you use your SL-14 for the first time, it is recommended that you familiarize yourself with the machine's operations and controls. Check the results using a range of sample sheets of paper before laminating your valuable original documents.



Laminating Range

SL-14 is designed to accommodate the thickness of 80 mil (2.0mm). The maximum thickness of pouch available in the market is 10 mil (0.25mm). So you can laminate the material of thickness up to 60 mil (1.5mm).

Temperature and Speed Settings

You can adjust the temperature of rollers up to 160 °C (320 °F). Most lamination can be accomplished by 130 °C with SL-14 by adjusting the speed. You will also have many options for mounting, transfer or foil fusing.

Carrier

You may use a carrier with the SL-14 to protect the rollers from getting dirty. Please note that the carrier prohibits heat deliverance to laminating pouch. So the temperature setting should be adjusted higher to laminate with carrier. The carrier is made from folded card stock and is supplied with most packs of pouches.

OPERATION (cont'd)

Hot Lamination



1. Plug the laminator into a convenient power socket.
2. Switch ON the power switch. The LCD will display the set temperature and speed.
3. Select the temperature and speed for the thickness of pouch. Refer to the LAMINATION GUIDE.
4. The laminator will start to heat.
5. Prepare the item to be laminated by placing it centrally into the correct sized pouch.
6. When the desired temperature is reached, the SL-14 will beep and "READY" signal will appear in the LCD display. Now you are ready to start the lamination.
7. Gently insert the pouch, sealed edge first, into the front of the laminator until it engages with automatic feed rollers.
8. The pouch will move through the unit and exit to the rear.

OPERATION (cont'd)

Reverse Function



Do not try to force the pouch into the laminator or try to pull the pouch out. This may damage (and could break) the laminator.

While the SL-14 laminates excellent for all the range of films, when you laminate thin film at a higher temperature without carrier, the film might be rolled up at the front roller. In this case, you need to retrieve the document during lamination.

1. Press the reverse button and hold it down while the power is ON. The machine will start to run in reverse and repulse the film out to the Entry Slot.
2. With the other hand, gently pull the pouch and document out of the Entry Slot.
3. If the pouch has gone completely into the machine and is not sticking out of the front or the rear, then it might have been rolled up to the roller. You have to open the cover and remove the film.

Photo Laminating

1. Your SL-14 is specially designed for perfect lamination of all photos. SL-14 will laminate any photos without any special pouches. If you find any bubbles, haze, or clouds after lamination, it is most likely that the temperature or speed setting is not proper. Try again with appropriate settings.
2. Heavily colored inkjet copies and varnished printed pages should also have excellent results with standard pouches on the SL-14.

OPERATION (cont'd)

Mounting, Transfer or Foil Fusing

1. Mounting is also possible with the SL-14 as long as the thickness of material is within the acceptable limit.
2. Most foil fusing is also possible with the SL-14, but you have to pay special attention for the film not to be rolled up.

Cold Laminating

1. Select cold setting by pressing COLD button on the control board.
2. Wait until SL-14 cools down to the room temperature.
3. Use only 'cold' or 'self-seal' pouches.

Help Hints

1. Once you have laminated your document, it cannot be restored.
2. Do not attempt to laminate at hot temperatures with heat sensitive documents such as thermal paper, wax based inks, etc.
3. If the laminated document has a milky appearance, you may need to process it again at a higher temperature.
4. If the laminated document is rigid and hard, it has probably been laminated too hot, and you should put other documents through at a lower setting.

LAMINATION GUIDE (HOT)

Film Thickness	Paper	Without Carrier		With Carrier	
		Temp°F(°C)	Speed	Temp°F(°C)	Speed
3 mil (75-100 μ)	Presentation Paper (24lb)	230°F(110 °C)	4	260°F(127°C)	3
	Photo	250°F(120 °C)	3		
5 mil (125-150 μ)	Presentation Paper (24lb)	250°F(120 °C)	3	270°F(132 °C)	2
	Photo	260°F(127 °C)	3		
7 mil (175-200 μ)	Presentation Paper (24lb)	265°F(129 °C)	3	285°F(141 °C)	2
	Photo	270°F(132 °C)	3		
10 mil (250 μ)	Presentation Paper (24lb)	275°F(135 °C)	2	300°F(149 °C)	1
	Photo	275°F(135 °C)	2		

- 1. If the lamination result has ripples, it is most likely to be over heated, so lower the temperature or raise the speed.
- 2. If the lamination result has haze, it is most likely to be short heated, so raise the temperature or lower the speed,
- 3. When you laminate thicker paper,
 - 1) lower the speed
 - 2) or raise the temperature up

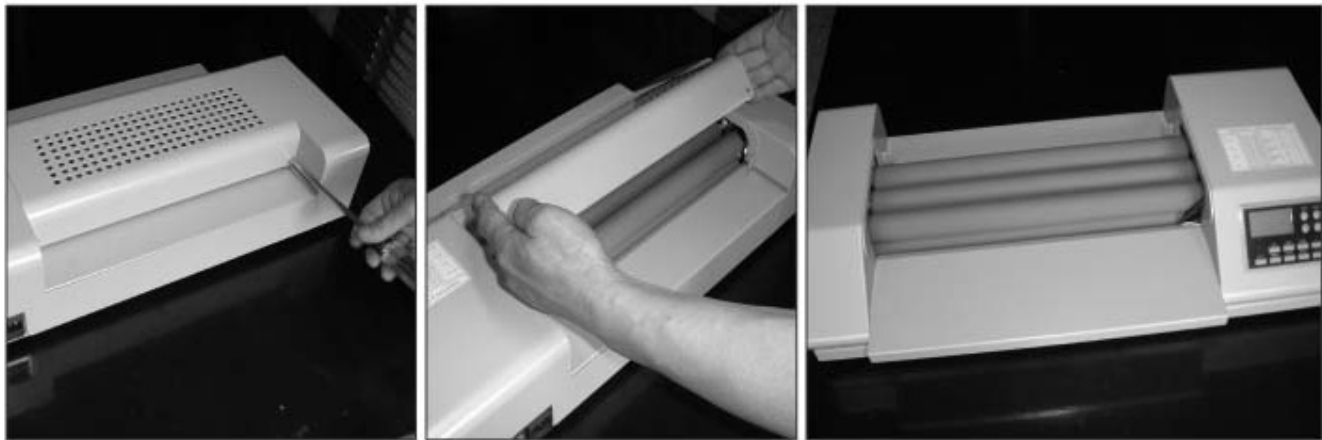
SPECIFICATION

Description	SL-14
Max. Laminating Width	14" (360mm)
Max. Laminating Speed	50" (1,270mm)/min
Max. Laminating Thickness	80 mil (2.0mm)
Number of Rollers	6 rollers (4 hot rollers)
Temperature Control	Digital
Speed Control	Digital
Preheating Time	5 minutes
Display	LCD Digital Display
Power Supply ***	120V, 60 Hz/220V, 50 Hz
Rated Wattage	908 W
Dimension	23-1/8" x 12" x 5-3/4" (588 x 305 x 146mm)
Net Weight	37 lbs (16.7 kg)
Reverse Function	Yes

*** CSA approval applies only in the United States and Canada.
(120V, 60 Hz)

HOW TO CLEAN

- 1. Turn the machine on at the temperature of 150 °C (300 °F) or above, remove the dirt on the rollers by passing the Cleaning Paper(Carrier or its equivalent) through the machine a couple of times.
- 2. Most dirt is removed by the above process. But if the dirt remains, follow the procedures below.
 - 1) Open the cover.
 - 2) Heat up the machine while running slowly.
 - 3) Clean the rollers with sponge. Do not apply detergent.



TROUBLE SHOOTING

Symptom	Check Points
No Power?	<ul style="list-style-type: none">1. Check the fuse, which is in the power inlet.2. There is spare fuses available in the power inlet.3. Use only specified, certified fuse only.
Laminate does not exit	<ul style="list-style-type: none">1. Open the cover and check roll up.2. Remove the rolled up laminate.3. Clean the roller.

LIMITED ONE YEAR WARRANTY

LAMITEK provides warranty service of parts and labors for twelve(12) months from the date of original purchase under the following terms and conditions.

This warranty is extended only to the the original purchaser. The end user should contact the dealer first for the malfunction. This warranty does not apply to malfunctions resulting from abuse, misuse, or improper maintenance or damage. LAMITEK is not liable for incidental or consequential damages or any such nature.

A return merchandise authorization (RMA) is required prior to the returning of any merchandise. LAMITEK will repair or replace this product, at its own discretion, if it is found defective in material or workmanship.

The merchandise must be returned to LAMITEK at the customer's expense via insured, prepaid freight, with proof of purchase, to the address given below.

Pack the merchandise with the detailed description of the problem. Please pack in its original carton (or equivalent protection) with return address, name and telephone number to contact.

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