

# ***Fujipla ALM 3220 Al-Meister Fully Automatic Laminator***

Instruction Manual



*Provided by*

**MyBinding.com**

*When Image Matters.*

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# Fujipla Almeister ALM 3220 Laminator

## Instruction Manual



Provided By

**MyBinding**.com®  
*When Image Matters.*

**AL-MEISTER®**  
AUTO LAMINATOR  
ALM3220

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# OPERATION MANUAL

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**Thank you very much for purchasing a FUJIPLA Auto Laminator**

Please read through this manual carefully before operation.

Please keep this manual and refer to it whenever necessary.

# IMPORTANT

In this manual, these caution and warning symbols are used for anticipated danger. Read carefully the cautions and warnings and follow the instruction for safe operation.



General Caution



Electric Shock

Indicates possible electric shocks under the specified conditions.



Tangling Warning

Indicates possible injuries caused by tangling in a rotating machine part.



Amputation Warning

Indicates possible serious injuries such as finger amputation.



Heat Warning

Indicates possible injuries caused by extreme heat.



Don't Do

Indicates unspecified acts that are forbidden.



Unplug immediately

Indicates a dangerous situation that needs you to unplug the power immediately.

## WARNING AND CAUTION FOR SAFETY

In this manual these two different words are used according to the level of danger.



**WARNING** . . . in the case of incorrect use, can cause serious injury.



**CAUTION** . . . in the case of incorrect use, there can be serious injury to the operator or damage to equipment.



## INSTALLATION

To avoid fire, electric shock, or any danger, do not install the machine in a place like:



in direct sunshine  
near an air conditioner



in/near an extremely hot area



in an extremely cold area



on an uneven floor  
on a fragile floor  
on a shaky floor



in an extremely humid/dry area



in a dusty area



## POWER SUPPLY/EARTH WIRE

### 1. Use appropriate power supply

Always connect to AC120V.

Unstable voltage may cause electric shock, fire, or damage to the machine. Always avoid using multiple outlet connections.

### 2. Pay attention to the amperage

Unless the amperage is enough, it may cause fire or malfunction. Do not share the electrical outlet with other devices.

### 3. Connect earth wire

Ensure a ground connection is correctly made to avoid any danger or electrical problems.

### 4. Handle power cord with care

Do not set the machine on the power cord.

Do not pull the power cord forcibly.

Do not place the machine near heated equipment.

Do not alter the power cord.

Damage to the power cord may cause fire, electric shock, or damage to the machine.



## GENERAL CAUTIONS

Always follow these instructions for safe operation.

### 1. What to wear

In order to avoid any possible danger,

- do not wear neck-ties, or necklaces that are not tightly fitted to you.
- do not wear loose clothes. If entangled, turn off the power or unplug immediately.
- Be careful that your hair does not get caught in the machine.



### 2. Operation

- Always close the cover.
- When you are in a closed room, ventilate well.
- Do not spill water on the machine or handle it with wet hands.
- Do not leave the machine during operation. The socket-outlet should be installed near the equipment and be easily accessible.

### 3. In an emergency

- If a malfunction occurs, switch off and/or unplug immediately.
- Contact your dealer or our technical department.
- Do not attempt to disassemble/repair/alter the machine yourself.
- Maintenance service will be provided by our qualified service staff.



### 4 Others

Always mind the following instruction in order to avoid serious injury/electric shock/fire/damage of the machine.

- Do not use the machine for any other purposes.
- Do not put heavy stuff on the machine or shock it.
- Always unplug when you move the machine.
- Remember that the laminated object is very hot.
- Machine may smoke when incorrectly used.
- Do not drop metals such as paper clips or staples inside the machine.
- Do not remove the covers from the machine.
- Never alter or modify the machine.
- Do not remove caution labels from the machine.
- Always use our exclusive lamination film AL-ROLL FILM.



## REQUIREMENTS OF PAPERS TO BE LAMINATED

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Do not laminate papers such as:

- paper money or valuable securities
- papers with staples
- inflammable paper, or material that is affected by heat such as vinyl chloride or polyethylene
- very precious articles that are unique and irreplaceable
- papers thicker than 0.4mm including film thickness
- papers that discolor and change in quality by heat such as thermal papers and crayoned pictures
- papers that contains a lot of moisture
- things other than paper
- papers that are curved or have creases



## CLEANING

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Be sure that the machine is unplugged.

Before cleaning the machine, turn off the power and let the machine cool down, as the machine gets very hot.

Wipe off stains with a soft cloth.

When stains are persistent, use a firmly squeezed soft cloth soaked in a small quantity of water or detergent. Wipe off the residue of detergent with a cloth soaked in water.

## Recycling Information

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This is an electronic device which contains components which need to be taken care of at the end of its life. You can help control emerging risks by disposing the electronic device and your domestic waste separately. Electric and electronic devices are marked with a crossed out waste bin indicating that these products should not be dumped together with domestic waste. If being dumped together with domestic waste electric and electronic equipment may have severe impacts on the environment as well as human health not least because of the possibly contained hazardous materials.

Fujipla provides, in accordance with the European WEEE directives, an easy way to recycle waste of electric and electronic equipment. Please dispose your waste of electric and electronic equipment by using your local collection site for this type of waste. The disposal will be free for you. Fujipla then will take care of the efficient recycling and treatment of electric and electronic waste together with the management of the local collection site.

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# 1. COMPONENTS

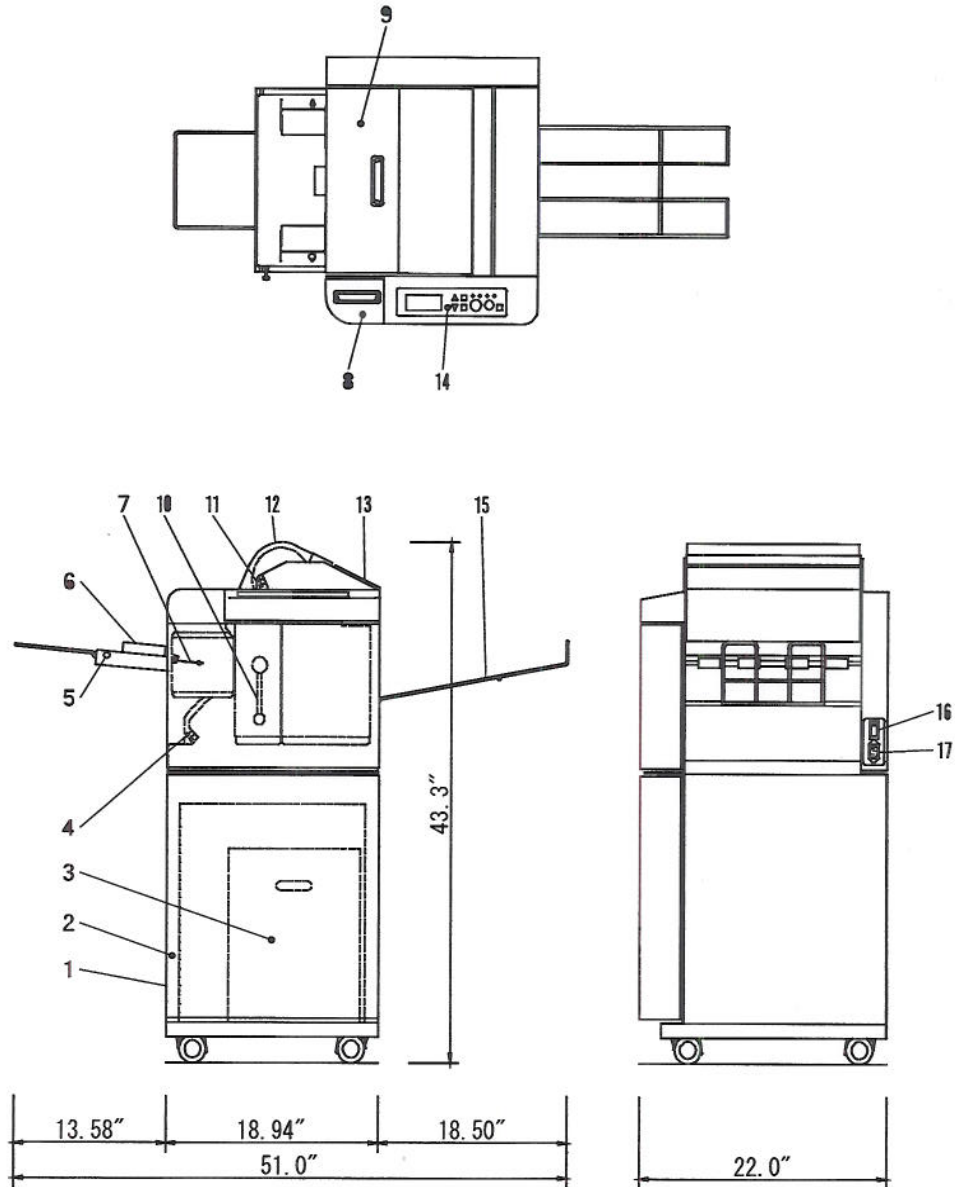
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Please check all these components are included.

- ALM-3220
- Feeder Tray
- Extension Feeder Tray
- Rear Tray
- Power Cord
- Instruction Manual
- Waste Collection Box
- Stand
- Stand Assembly Instructions
- Tool for assembling Stand
- Screws for assembling Stand

# 2. NAMES AND FUNCTIONS

## 2-1. OUTLOOK

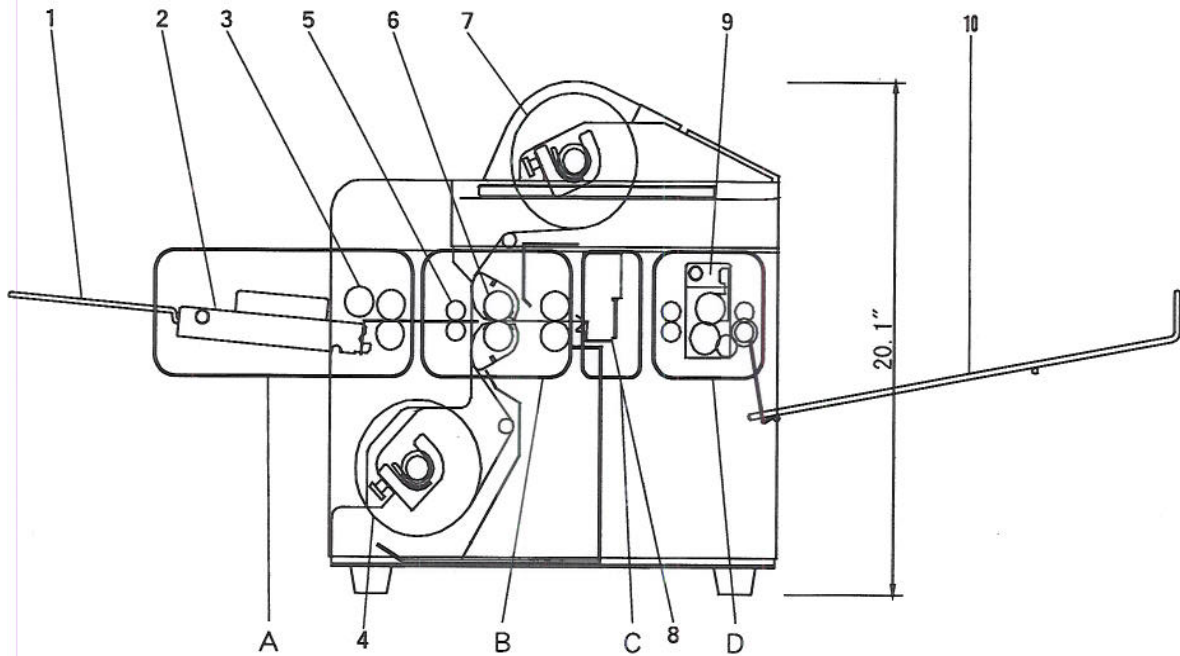


1	Stand	10	Operation Lever
2	Stand Door	11	Upper Tension Controller
3	Waste Collection Box	12	Roll Film Cover
4	Lower Tension Controller	13	Trimmer Cover
5	Feed Adjustment Knob	14	Operation Panel
6	Feeder Tray	15	Rear Tray
7	Feeder Flex *1	16	Power Switch
8	Front Cover	17	AC Inlet
9	Feeder Cover		

\*1 Controls Feeder pressure.

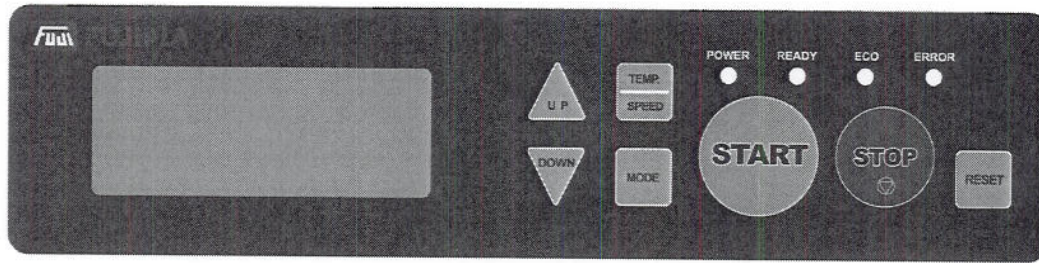
# 2. NAMES AND FUNCTIONS

## 2-2. INTERIOR



1	Extension Feeder Tray	For double letter and digital paper sizes lamination
2	Feeder Tray	Tray for paper
3	Feeder Roller	Feeds paper one by one
4	Lower Film Roll	
5	Feeding Roller	Feeds the paper to lamination rollers
6	Heating Roller	Laminates upper and lower films with heat
7	Upper Film Roll	
8	Cutter Unit	Cuts beginning and end of the film (cutting right angle to feeding direction)
9	Trimmer Unit	Cuts right and left sides (cutting parallel to feeding direction)
10	Rear Tray	Tray for finished papers
A	Feeder Section	
B	Laminator Section	
C	Cutter Section	
D	Trimmer Section	

### 2-3. OPERATION PANEL



**START key**  
Press to start lamination



**STOP key**  
Press to stop lamination



**RESET key**  
Press to return to the operation mode



**SCROLL key (UP)**  
Press to raise temperature/speed setting



**SCROLL key (DOWN)**  
Press to reduce temperature/speed setting



**MODE key**  
Press to select Mode Setting



**TEMP./SPEED key**  
Press to select temperature or speed setting. Press continuously to see the current temperature.



**POWER LAMP**  
Indicates the power to the machine is on.



**READY LAMP**  
Indicates the machine is ready for operation. Lights when the set temperature is achieved.



**ECO LAMP**  
Lights during the power saving mode



**ERROR LAMP**  
Lights when an operation error occurs

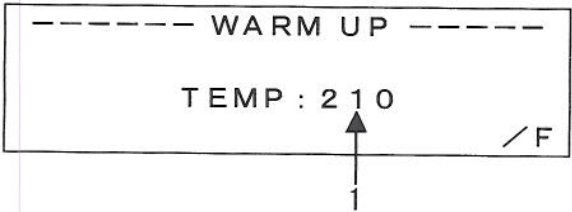


**LCD DISPLAY**  
See Chapter2-4. LCD DISPLAY

## 2. NAMES AND FUNCTIONS

### 2-4. LCD DISPLAY

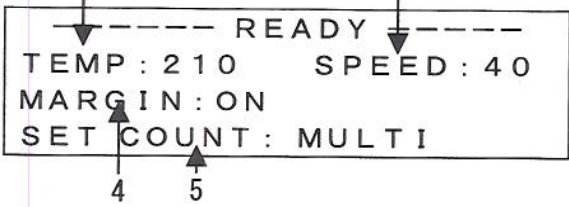
**WARM UP** Indicates the machine is being heated up. Operation is not possible during this display.



1) Indicates the set temperature

When the machine is heated up,  
Buzzer rings three times.

**READY** Operation is possible.



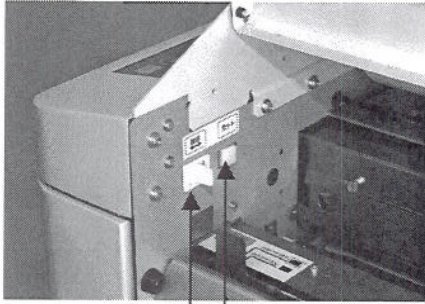
2) [TEMP] indicates the set temperature.  
Example: TEMP : 210 means 210 ° F.

3) [SPEED] indicates the set speed.  
Example: SPEED : 40 means 40" per minute.

4) [MARGIN] indicates that the trimming and cutting is with/without margin around the laminated paper.  
Example: MARGIN:ON . . There is 0.12" laminated frame.  
MARGIN:OFF . . There is no laminated frame.

5) [SET COUNT] indicates number of the papers to be processed.  
Example: MULTI . . laminates all the paper in the feeder tray  
012/100 . . indicates the set number (100) and the processed number (12)

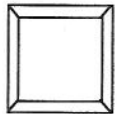
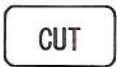
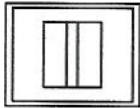
### 2-5. OTHER SWITCHES AND KEYS



Open the trimmer cover.

1. Manual Feed Switch

2. Manual Cut Switch



1) Manual Feed Switch

Use to set film or to take out paper when it is stuck

To feed forward, turn the switch to left.

To feed backward, turn the switch to right.

- \* Set the trimmer adjuster to Film Set position.

2) Manual Cut Switch

Use when setting film or cutting film which is stuck in the laminator. It only works once.

- \* It does not work when a cutting error has occurred.

- Manual Switch works on any setting. Handle with full caution.

\* When you use Manual Feed Switch, cut film by using also Manual Cut Switch. Pull out the cut film/paper from the exit port.

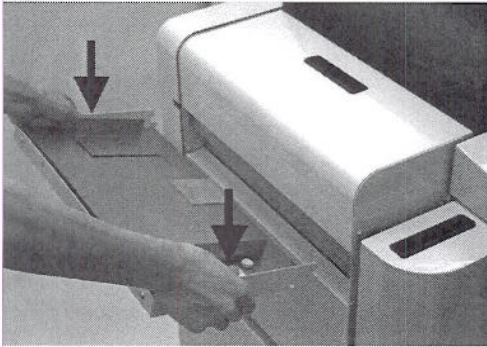
### 3. INSTALLATION

#### 3-1. INSTALL AL-MEISTER

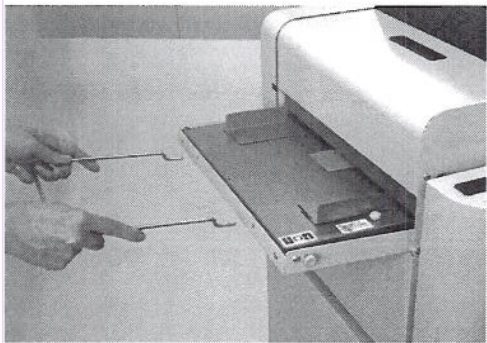
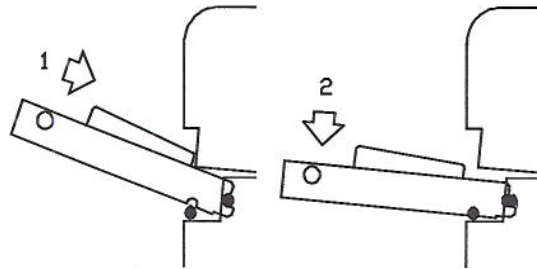
Allow a space of about 0.65' around the machine for operation.

\*Read the safety instruction about the installation carefully.

#### 3-2. SET FEEDER TRAY

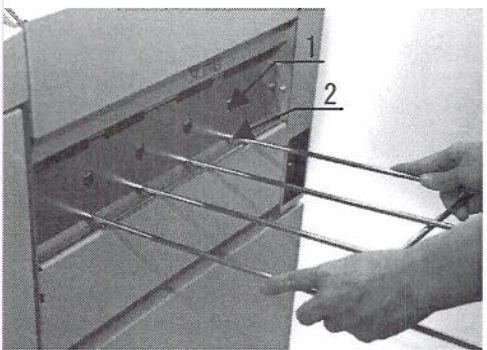


Fix the tray. Keep pressing the feeder tray downward while fixing.

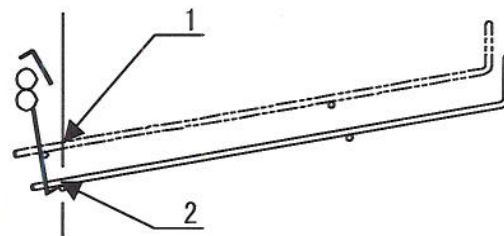


\* When you laminate materials in double letter and digital paper sizes, set the extension tray to the feeder tray.

#### 3-3. SET REAR TRAY



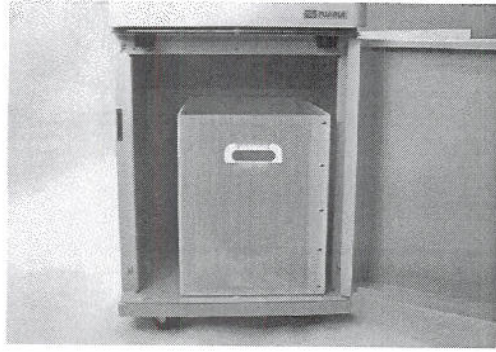
Fix the rear tray firmly in the holes. Select upper or lower holes according to the film thickness.



1) 1.5 mil · 3 mil film thickness  
2) 4 mil · 5 mil film thickness

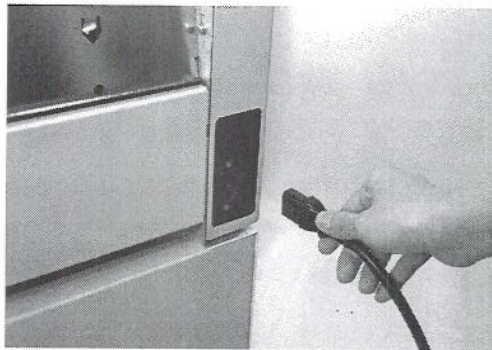
### 3. INSTALLATION

#### 3-4. SET WASTE COLLECTION BOX



Open the door. Set the waste collection box to the right so that there is no space between the box and the side.

#### 3-5. CONNECT POWER CORD

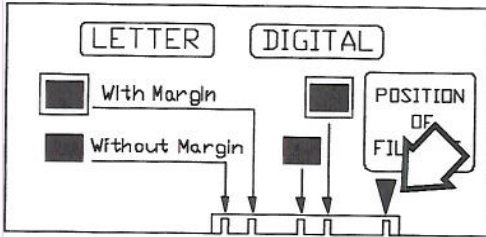
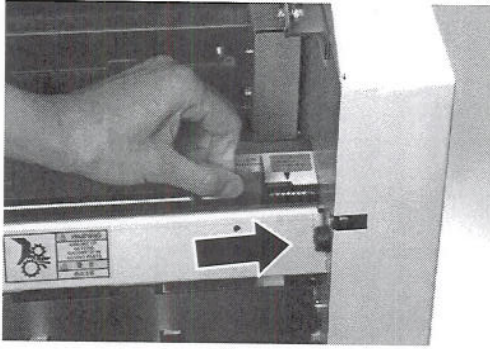


Connect power cord to the machine firmly.



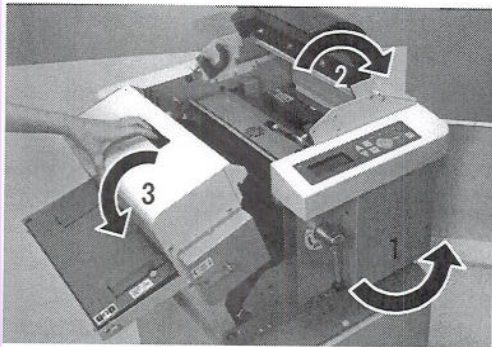
## 4. SET LAMINATION FILM

1. Always use the exclusive lamination film for ALM3220.  
Always use a combined set of upper and lower film together



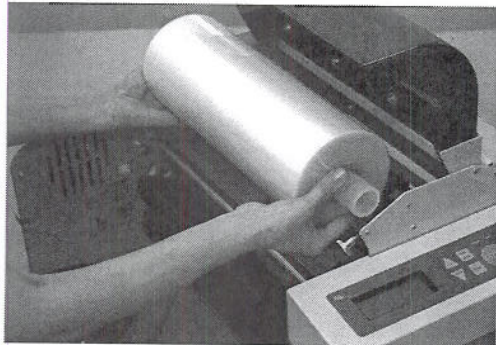
2. Be sure that the power is OFF. Open the cover at the trimmer. Adjust the lever to the FILM SET position. Adjust both left and right lever. Do not close the cover for the next step.

- Always be sure that the lever is at the film set position. Otherwise film may stick.
- Be careful not cut your fingers on the trimmer.

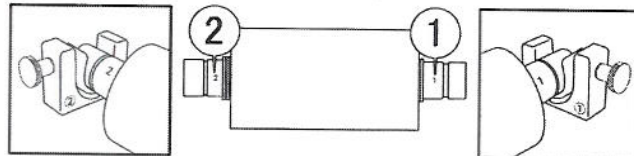


3. Open the covers in the order of Front Cover>>>Feeder Cover>>>Film Cover.

- Feeder Cover can only be opened when the front cover is open.
- The inside of the machine gets very hot. Always be careful.

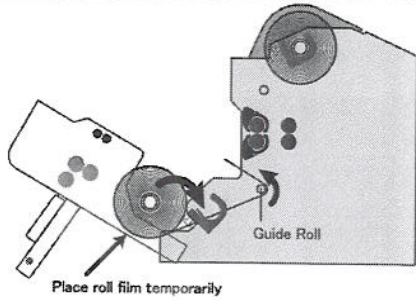


4. Set the roll film to the upper socket. The marked number of the film roll end and the one at the socket should be the same.

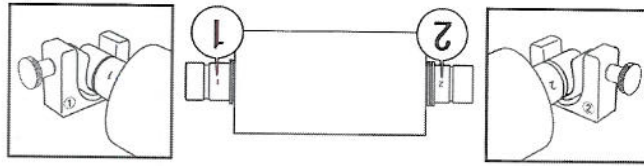


- If the roll is incorrectly set, it may cause a problem.

# 4. SET LAMINATION FILM

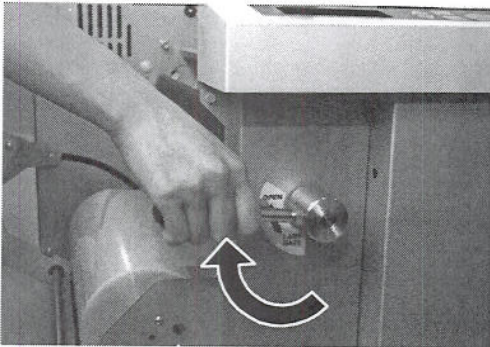


5. For the next film roll, place it slightly back from the socket.

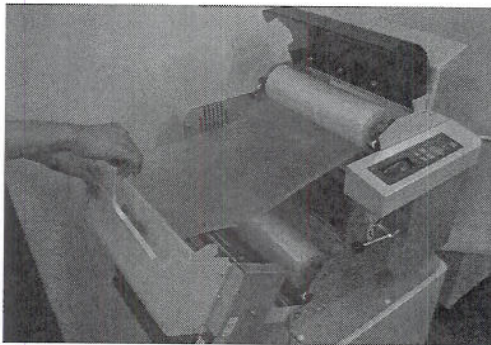


Pull out the film by 1' . Put it through under the guide roll. Set the film roll to the lower socket firmly.

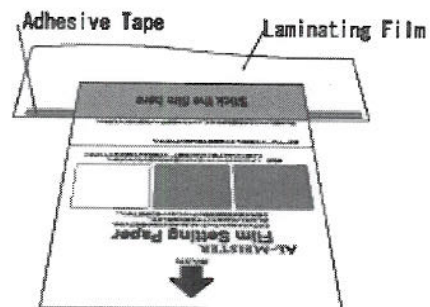
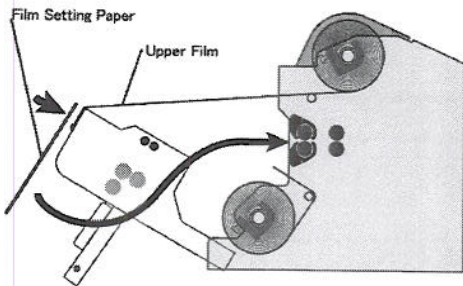
- If the roll is incorrectly set, it may cause a problem.



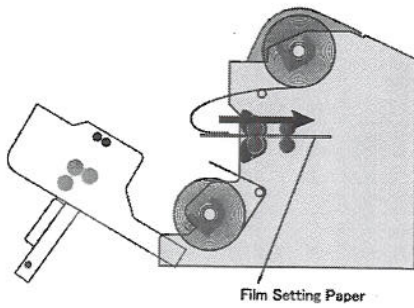
6. Turn Operation Handle to OPEN. There will be a space between the two heat rollers.



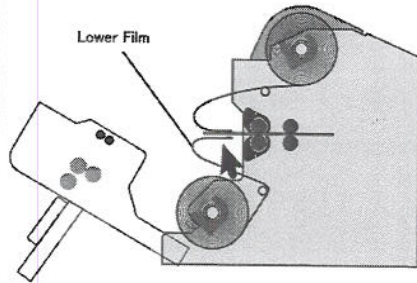
7. Pull out the upper film by 1.65' . Peel off the paper strip to reveal the adhesive at the very end of the film. Stick the film setting paper to it.



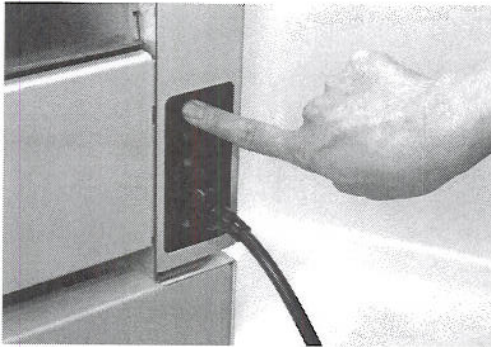
## 4. SET LAMINATION FILM



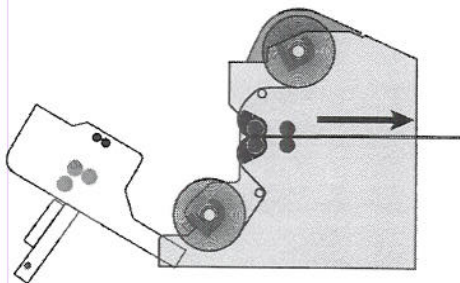
8. Rewind the upper film by about 0.65'. Insert the filmsetting paper as illustrated
- \* Thick paper of letter size can be used as a film setting paper.



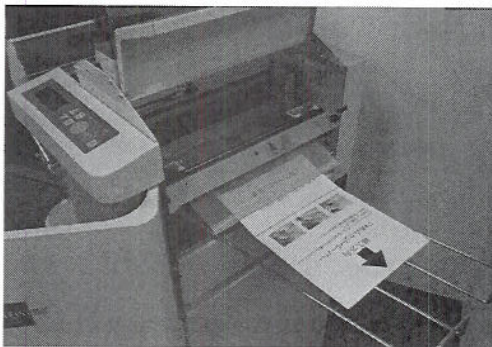
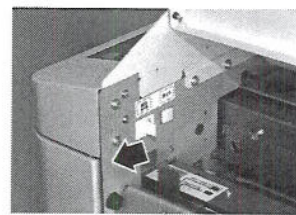
9. Pull out the lower film and peel off the paper strip. Stick it to the film setting paper as illustrated.



10. Turn on the power switch.

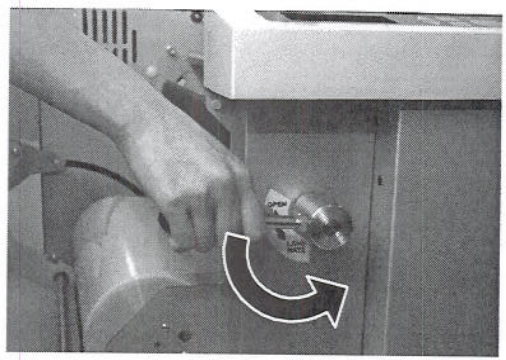


11. By using Manual Feed Switch, feed the paper and film gradually.



12. Feed the film and paper until it comes out the exit.  
It is recommended to remove the rear tray during this procedure.

# 4. SET LAMINATION FILM



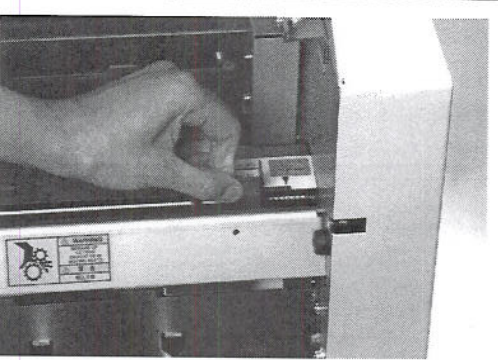
13. Turn the Operation lever to the LAMINATE position. Let the machine warm up.



14. When the machine is warmed up, keep feeding with the manual feed switch until there are no creases or bubbles on the film. Keep feeding until the upper and lower films are flush. Cut the film with Manual Cut Switch. Pull out the cut film by hand.

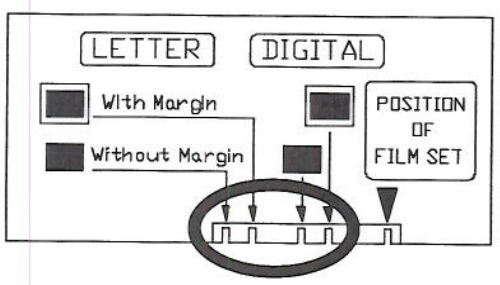


15. Close all the covers in the order of Film Cover>>>Feeder Cover>>>Front Cover



16. Bring back the lever to either WITH MARGIN or WITHOUT MARGIN position. Close the trimmer cover.

- Be careful that your fingers do not get cut.





## 1 Adjustment of tension controllers



The automatic laminator is equipped with four (4) tension controllers. Two for the lower film roll and two for the upper film roll.

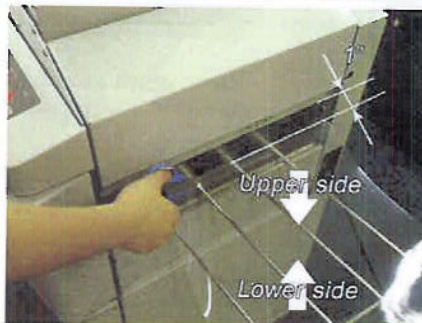
The purpose of the tension controllers are to apply resistance or "drag" on the film rolls which makes the film lay flat on the heat shoes and thereby eliminates creases and bubbles in the lamination. Proper adjustment recommends that the right side and left side controllers on each roll be adjusted with the same amount of tension. The top pair of controllers versus the bottom pair of controllers may vary in order to eliminate "curl" to the laminated piece. If the laminated piece "curls up" loosen the two upper controllers or tighten the two bottom controllers. If the exiting laminated piece curls down, do the opposite as mentioned above. With the trimmers still in the "position of film set", tighten all four (4) tension controllers completely. Then loosen each of the four (4) controllers two (2) complete revolutions.

Place the operation lever in the "laminated" position.

When the laminator has "warmed-up" and the ready light is on, use the manual speed switch to run film out of the laminator until all of the bubbles and creases disappear from the lamination and the film is laying flat on the heat shoes. If the bubbles are "not" disappearing in a reasonable amount of film footage (3 or 4 feet), increase slight tension on the controllers (equally).

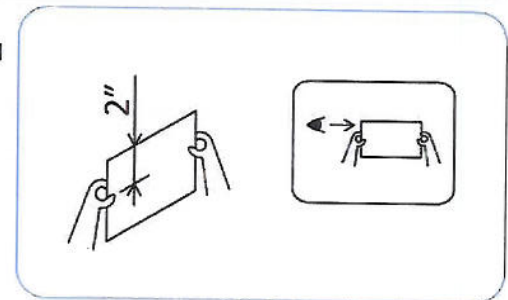
## 2 Test for film curl

### 1.



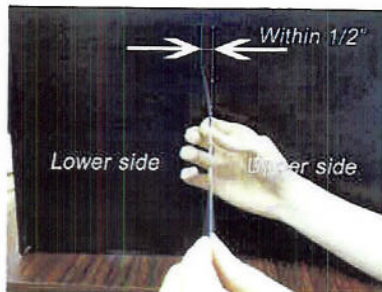
Push the manual speed switch forward until about one (1) foot of film has exited the laminator. Then, using a pair of scissors, cut the laminated film at a point approximately one (1) inch out from the laminator. Be sure to identify the upper side of the film from the lower side of the film.

### 2.

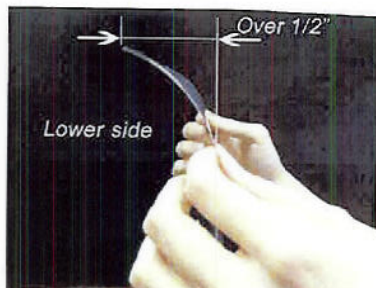


- Hold the film vertically about 2 inches from the cut side.
- Look at the film from the side.

### 3.



• If the curl is less than  $\frac{1}{2}$ " from the vertical plane, there is no need to adjust.



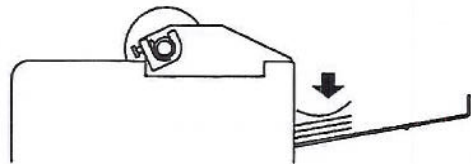
• If the curl is more than  $\frac{1}{2}$ " to the lower side, tighten the two upper tension controllers with half turn.



• If the curl is more than  $\frac{1}{2}$ " to the upper side, loosen the two upper tension controllers with half turn.

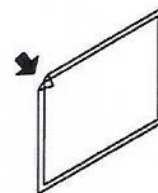
## Minimizing the curl may avoid problems as shown below

### 1.



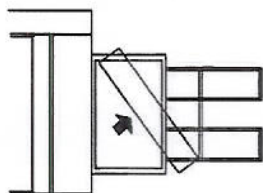
As the film roll reduces in diameter size due to use, curling may begin. If so, re-adjusting the tension controllers may be necessary.

### 2.



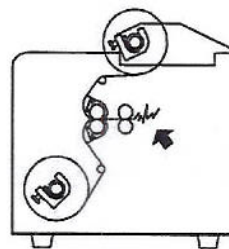
The corner of the laminated film is folded.

### 3.



Lamination scrap comes out with laminated film.

### 4.



"lamination error" appears

Remove the jammed film.  
Follow the trouble shooting p.29 of the instruction manual. (6.Trouble shooting <P29>)



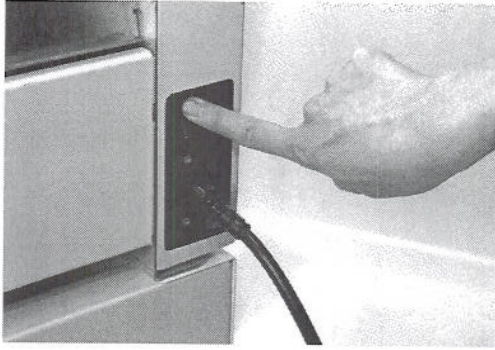
**CAUTION**

Make sure to follow the instruction manual (4. Set LAMINATION FILM <P15>) when to thread the films.

\* When to re-thread the films during operation, please prepare some thick paper (A4 size or more) and both sides adhesive tape and repeat the procedures of threading the film.

# 5. OPERATION

## 5-1. WARM UP



Connect the power cord to the wall socket.  
Turn on the power switch.

ALM3220  
Ver.000.0

This display appears for 3 seconds.





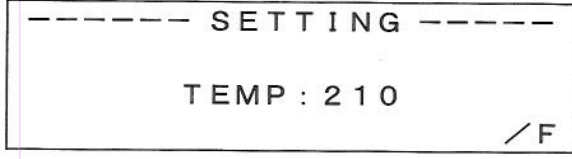




----- WARM UP -----  
TEMP : 210 /F

WARM UP display appears on the screen.  
POWER lamp lights.





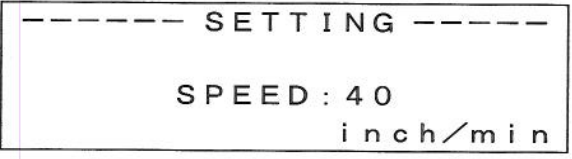




# 5. OPERATION

## 5-2. SETTINGS

### 5-2-1. SET TEMPERATURE

 UP	 TEMP. SPEED	Press TEMP./SPEED key once.
 DOWN	 MODE	
		* The default is set at 210 ° F.
 UP	 TEMP. SPEED	Press ▲ or ▼ key to set temperature. Temperature can be set by 10 ° F increments. The temperature display blinks.
 DOWN	 MODE	Press TEMP./SPEED key to confirm the temperature.

### 5-2-2. SET SPEED

 UP	 TEMP. SPEED	Press TEMP./SPEED key twice on the READY screen.
 DOWN	 MODE	
		* The default is set at 40" /min.
 UP	 TEMP. SPEED	Press ▲ or ▼ key to set speed. The speed can be set by 4" /min increments. The speed display blinks. Press TEMP./SPEED key to confirm the speed.
 DOWN	 MODE	Press TEMP./SPEED key again to return to the previous display.

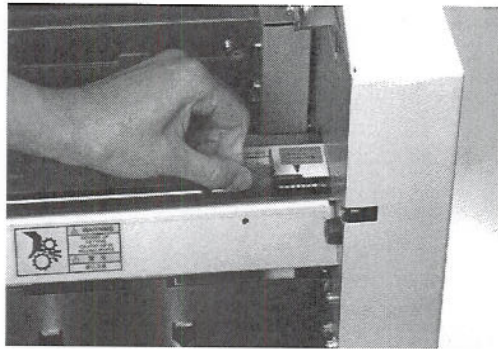


# 5. OPERATION

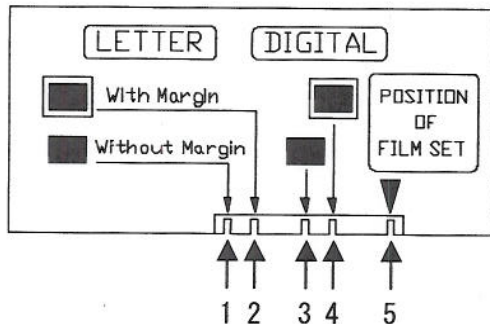
## Example of setting of different film thicknesses

Film thickness	Copying paper	Thicker paper
1.5 mil	200 ° F, 40" /min	210 ° F, 40" /min
3 mil, 4 mil	210 ° F, 40" /min	220 ° F, 40" /min
5 mil	220 ° F, 40" /min	230 ° F, 40" /min

### 5-2-3. SET MARGIN



Open the trimmer cover.  
Adjust both the left and right levers to set either with or without margin.  
The lever should be fixed in the appropriate groove firmly.  
Close the cover.



- 1) Without margin (without laminated frame)
- 2) With margin (with laminated frame)
- 3) Without margin (without laminated frame)
- 4) With margin (with laminated frame)
- 5) FILM setting position

\*1,2) Letter size, Double letter size  
\*3,4) Digital paper size

- When setting film, always set the lever to 5. Otherwise the thick paper used for film setting may cause damage to the trimmer. When there is film remaining in the trimmer unit, you cannot change the setting.

```

----- READY -----
TEMP : 210   SPEED : 40
MARGIN : ON
SET COUNT : MULTI
    
```

Lamination with laminated frame is shown as MARGIN:ON.

















```

----- READY -----
TEMP : 210   SPEED : 40
MARGIN : OFF
SET COUNT : MULTI
    
```

Lamination without laminated frame is shown as MARGIN:OFF.

# 5. OPERATION

## 5-2-4. SET COUNTER

<pre>----- MODE ----- &gt;SET COUNT MARGIN SET CUT ADJUST TOTAL COUNT</pre>	Press MODE key.
   	Move cursor by using ▲ ▼ key.
   	Press MODE key to confirm.
<p><b>【SET COUNT】</b> Set the number you want to laminate.</p> <p><b>【MARGIN SET】</b> Set either with or without margin.</p> <p><b>【CUT ADJUST】</b> Adjusts cutting positions. See p. 24.</p> <p><b>【TOTAL COUNT】</b> Indicates the accumulated number of laminations.</p>	
<pre>----- SET COUNT -----  MULTI</pre>	Select SET COUNT.
   	Press ▲ or ▼ key to enter numeric values. You can set up to 200 sheets. Unspecified number of lamination is displayed as multi.
   	Press MODE key one more time to confirm. The display returns to the previous display.

# 5. OPERATION

## SET COUNTER (continued)

example of setting 100 sheets

```
----- READY -----  
TEMP: 210    SPEED: 40  
MARGIN: OFF  
SET COUNT: 0/100
```

left : finished number / right : set value

- Lamination error does not affect its counting.

example of setting multi

```
----- READY -----  
TEMP: 210    SPEED: 40  
MARGIN: OFF  
SET COUNT: MULTI
```

When you select multi, all the papers in the feeder tray will be laminated.

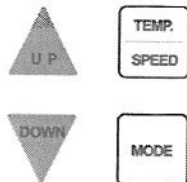
- \* The default is set to multi.

## 5-2-5. MARGIN SET

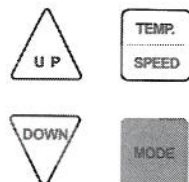
Select MARGIN SET.

```
----- MARGIN SET -----  
> ON  
OFF
```

Press ▲ or ▼ key to set temperature.



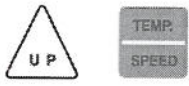




Press MODE key to confirm.




# 5. OPERATION

## 5-2-6. CUT ADJUST

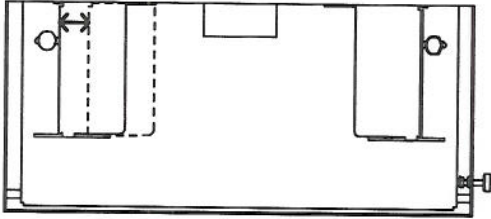
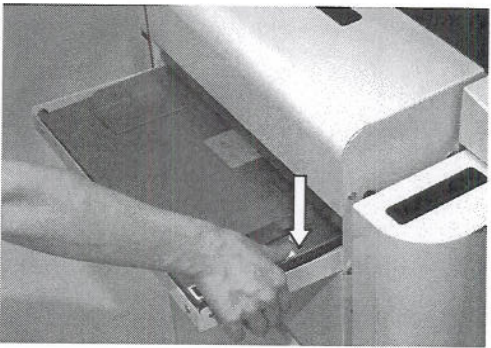
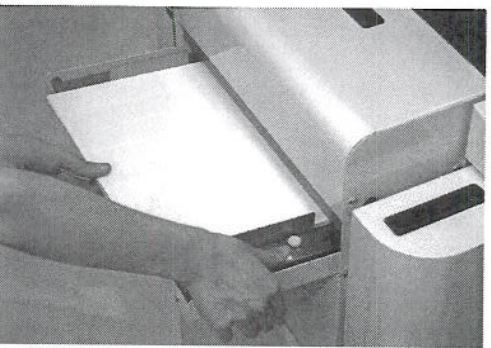
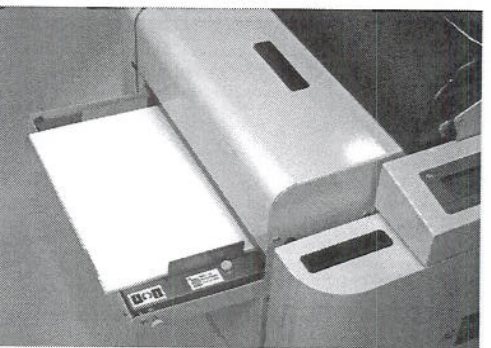
This function adjusts the cutting positions at both ends.

<pre>----- CUT ADJUST ----- &gt; F : 00 inch   B : 00 inch</pre>	<p>Select Cut Adjustment from the Mode display.</p> <p>*Attention: Please read and take a note of the value shown on the display first. Each unit has its own value. The value to be adjusted is calculated based on this value.</p>
 	<p>Press TEMP./SPEED key and move the cursor to F or B.</p> <p>F: cutting position at the front end B: cutting position at the rear end</p>
 	<p>▲ ▼ Set value using the UP/Down buttons Adjustment can be done between - 0.20" and + 0.20" .</p>
	<p>Press MODE key or wait for 5 sec. to get back to the mode display.</p>

## 5-2-7. TOTAL COUNT

<pre>----- TOTAL COUNT -----  1 2 3 4 5 6 7 8 9</pre>	<p>Select TOTAL COUNT from MODE display. The accumulated number of laminations is shown. Counts up to 99999999 until counter is reset.</p>
	<p>Press RESET key to return to 0.</p>



## 5-3. SET PAPER

	<p>Loosen knobs to adjust the paper guide (left) according to paper size.</p>								
<table border="1"> <thead> <tr> <th>Paper size</th> <th>The position of the paper guide (left)</th> </tr> </thead> <tbody> <tr> <td>letter size</td> <td>Right end</td> </tr> <tr> <td>double letter size</td> <td>Right end</td> </tr> <tr> <td>digital paper size</td> <td>Left end</td> </tr> </tbody> </table>	Paper size	The position of the paper guide (left)	letter size	Right end	double letter size	Right end	digital paper size	Left end	
Paper size	The position of the paper guide (left)								
letter size	Right end								
double letter size	Right end								
digital paper size	Left end								
	<p>Press the edge of the feeder tray downward. Keep pressing it.</p>								
	<p>Place paper in the feeder tray correctly.</p> <p>* The picture shows how to set letter.</p>								
	<p>Release your hand from the tray.</p> <p>* Fix the extension tray for double letter and digital paper sizes.</p>								

# 5. OPERATION

## 5-4. START OPERATION

- Open Front Cover and make sure Operation Handle is in the Laminate position.

<p>----- READY ----- TEMP: 210    SPEED: 40 MARGIN: ON SET COUNT: MULTI</p>	<p>Check the settings. Make sure READY lamp is on.</p>
	<p>Press START key. Operation starts.</p>
	<p>Press STOP key during the operation to stop the lamination.</p> <p>* Lamination will stop when the process is done.</p>

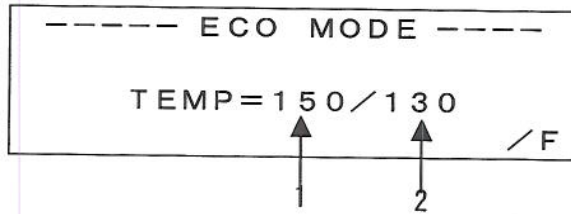


## USEFUL INFORMATION - FILM END

Our exclusive AL-Roll Film has a special feature that the end of film can be detected. The last 19.68" are colored in black. The lamination error is displayed and operation stops immediately.

## 5. OPERATION

### 5-5. ECO MODE (Power Saving Mode)



- 1) Current temperature
- 2) ECO MODE temperature(130 ° F)

ECO MODE enters when the machine is idle or the operation panel is not touched for more than 15 min.

\* Buzzer will ring 1 min. before entering ECO MODE.

ECO MODE will be deactivated by pressing any key.

### 5-6. TERMINATE LAMINATION

1. Make sure the lamination has finished.
2. Raise Operation Handle to prevent damaging the heat rollers.
3. Turn off Power Switch. Disconnect the power plug.
4. Make sure that the fan stops and LCD display disappears.

## 6. TROUBLE SHOOTING

Problem	Check if:	Solution	Page
●CUTTING ERROR		Open the trimmer cover. Press Manual Cut Switch. Press RESET key. If the error is not solved, please contact your dealer or our Technical department.  • Do not touch the cutter unit.	10, 12
●FEEDING ERROR	<ul style="list-style-type: none"> <li>• More than two sheets are fed at one time.</li> <li>• More than 3.9" of paper is being fed.</li> <li>• Paper is thick and smooth on its surface.</li> </ul>	Remove the paper. Raise Feeder Flex by 1 scale. Flatten the papers. Ruffle well. Press RESET key.	8, 10
	<ul style="list-style-type: none"> <li>• More than 1.2" of paper is fed.</li> <li>• Paper is very thin.</li> </ul>	Remove the paper. Bring Feeder Flex down by 1 scale. Ruffle the papers well. Flatten the papers. Press RESET key.	8, 10
	Paper is fed on the bias direction.	Remove paper. Widen Paper Guide a little. Press RESET key.	8, 10
	The surface of Feeding Rollers is not clean.	Remove paper. Open Feeder Cover. Wipe off the stains on the Feed Roller with soft cloth. Press RESET key.	8, 10
●PAPER JAM	Paper is stuck between feeding section and lamination section.	Open Feeder Cover. Remove all the stuck paper. Press RESET key.  • It gets very hot at the lamination rollers.	8, 10



## 6. TROUBLE SHOOTING

Problem	Check if:	Solution	Page
● LAMINATION ERROR	Paper is stuck in lamination section, cutter section, or trimmer section.	<p>Open Feeder Cover, and Trimmer Cover. Remove all the stuck paper by using Manual Feed Switch. Cut the film with the Manual Cut Switch. Pull out the paper from the exit. Press RESET key.</p> <ul style="list-style-type: none"> <li>• It gets very hot at the lamination rollers.</li> <li>• Be careful that your fingers or clothes do not get caught in the rollers.</li> <li>• When using Manual Feed Switch, set the trimmer adjustment lever to the film set position.</li> <li>• Be careful that your fingers do not get cut.</li> </ul>	8, 10
	Lamination scrap is stuck in the trimmer section.	<p>Open trimmer Cover. Remove all the lamination scrap. Press RESET key.</p> <ul style="list-style-type: none"> <li>• Be careful that your fingers do not get cut.</li> <li>• Lamination scrap might not go straight down to the waste collection box. Turn the switch off, remove all the scraps and prohibited from touching the cutter unit during removing them.</li> </ul>	8, 10
	Operation lever is in the OPEN position.	<p>Open Front Cover. Turn Operation Lever to OPEN position. Press RESET key.</p>	8, 10
	Roll film has run out.	<p>Remove the film roll. Press RESET key. Load a new film.</p> <ul style="list-style-type: none"> <li>• It gets very hot at the lamination rollers.</li> </ul>	8, 10
● PAPER STUCK	Paper is stuck in lamination section, cutter section or trimmer section.	<p>Open Feeder Cover and trimmer Cover. Remove all the papers and laminated paper that are stuck inside. Press RESET key.</p>	8, 10
	Lamination scrap is stuck in trimmer section.	<p>Open trimmer cover. Remove all the lamination scraps. Press RESET key.</p> <ul style="list-style-type: none"> <li>• Be careful that your fingers do not get cut.</li> </ul>	8, 10

## 6. TROUBLE SHOOTING

Problem	Check if:	Solution	Page
●COVER OPEN		Close the cover. Press RESET key.	8, 10
●OVERHEAT		Turn off the power. Then turn on the power. The problem will be solved in most cases, if the problem is not solved, contact your dealer of our technical department.	26
●TEMP. SENSOR BREAK		Turn off the power. Contact your dealer of our technical department.  · Do not dismantle.	26
●TEMP. SENSOR SHORT CIRCUIT		Turn off the power. Contact your dealer of our technical department.  · Do not dismantle.	26
●LAMINATION MOTOR ERROR		Turn off the power. The problem will be solved in most cases. If the problem occurs frequently, contact your dealer of our technical department.	26
●CUTTER DOES NOT CUT WELL		Cutter is worn out. Contact your dealer of our technical department.  · Do not dismantle.	-

## 6. TROUBLE SHOOTING

Problem	Check if:	Solution	Page
● TRIMMER DOES NOT CUT WELL	Lamination scrap is stuck in trimmer section.	<p>Open Trimmer Cover. Remove all the lamination scrap.</p> <ul style="list-style-type: none"> <li>• Be careful that your fingers do not get cut.</li> <li>• Lamination scrap might not go straight down to the waste collection box. Turn the switch off, remove all the scraps and prohibited from touching the cutter unit during removing them.</li> </ul>	8
		<p>Trimmer is worn out. Contact your dealer or our technical department.</p> <ul style="list-style-type: none"> <li>• Do not dismantle.</li> </ul>	-
● LEFT AND RIGHT MARGIN IS NOT EQUAL	Check if the trimmer adjustment lever is correctly set.	Adjust the trimmer adjustment lever.	18
	Check if the paper is fed correctly.	Adjust the feed adjustment knob.	9
● CREASES APPEAR ON THE LAMINATED FILM	Check if the tension controller is loose.	Tighten the tension controller.	9

## 7. SPECIFICATIONS

Model	AL-MEISTER (ALM3220)	
Maximum Laminating Width	12.24"	
Maximum Laminating Thickness	16 mil (including film thickness)	
Film Thickness	1.5 - 5 mil Exclusive Roll Film	
Paper Thickness	3 - 10 mil	
Laminating Speed	20" - 48" / min	
Temperature	170 - 270 ° F	
Warm-up Time	Approx. 5 min.	
Power Source	AC 120 V 60 Hz	
Power Consumption	900 W	
Dimensions (WxLxH)	51.0" (W) x 22.0" (D) x 43.3" (H) with Stand, Feeder Tray, Extension Feeder Tray, Rear Tray	
Weight	Laminator : 110 LBS Stand : 48.5 LBS	
Feeder capacity	200 pages (copying paper)	
Rear Tray capacity	200 pages (copying paper laminated with 4 mil film)	
Finished Size (WxD)	Letter	w/margin : 8.74" x 11.24" w/o margin : 8.38" x 10.88"
	Double Letter	w/margin : 11.24" x 17.24" w/o margin : 10.88" x 16.88"
	Digital Paper	w/margin : 12.24" x 18.24" w/o margin : 11.88" x 17.88"
	*The finished size is accurate to within less than 20 mil either way.	
Remarks	within the range of 32 ° F to 105 ° F ( 68 ± 40 ° F recommended) / an altitude below 6600' .	
Attachments	Feeder Tray, Extension Feeder Tray, Rear Tray, Power Cord, This manual, Waste Collection Box, Stand, Stand Assembly Instruction, Tool and screws for assembling Stand	

\*Corners are cut square.

\*Warm-up time may differ according to the environment.

