

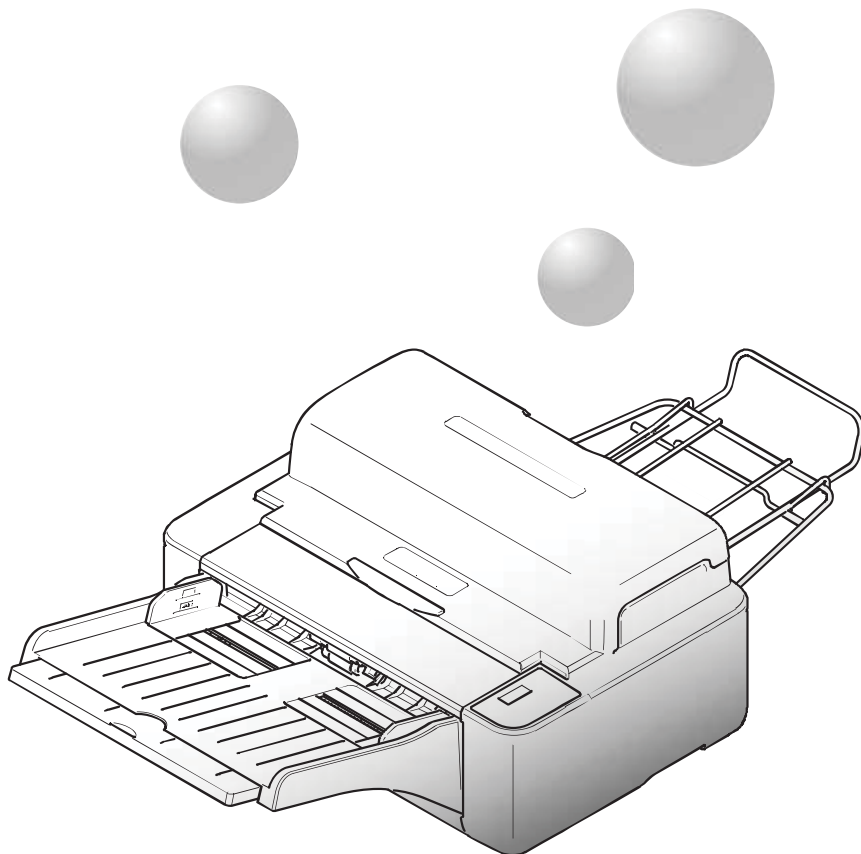
LAMI Revo series



Rev6 Any

Full Auto Laminator

Instruction Manual



Read this instruction manual thoroughly before using the product.

After reading, keep this instruction manual in a safe place so that you can refer to it whenever necessary.

Important Notices

Next page

Intended use of the product, warranty conditions, and disclaimer, contact information, etc., are described.

Chapter 1 Safety Precautions

Page 3

This chapter provides precautions for the safe handling of the product. Be sure to read through this chapter **before using the product**.

Chapter 2 Before Using the Product

Page 10

This chapter provides the product specifications, accessories, and names and functions of components.

Chapter 3 Preparation for Use

Page 16

This chapter provides the installation procedure of the product, types of available laminating film or documents (items to be laminated), and laminating film setting procedure.

Chapter 4 Instructions for Use

Page 24

This chapter provides a start-up procedure for laminating and how to make various settings such as laminating temperature and the number of items to be laminated.

Chapter 5 Maintenance

Page 34

This chapter provides information on maintenance to maintain product performance.

Chapter 6 Troubleshooting

Page 37

This chapter provides potential problems and solutions.

Introduction

Thank you for purchasing our product. This instruction manual (hereinafter referred to as "this manual") provides the following information for your safe use of the product:

- Precautions for handling the product
- Installation procedure and operation procedure
- Routine maintenance tasks (Maintenance procedure)
- Troubleshooting

Important Notices

Intended Use of the Product

The product is designed to sandwich a document (item to be laminated) between the rolls of laminating film and bond the laminating film to the document with heat and rollers pressure.

Do not use the product for any other purposes.

Instructions for Safety Use

For the safe use of the product, follow the instructions below.

- This manual is intended for users familiar with the language used in the manual. Do not use the product if you are not familiar with this language. Or, the customer must take responsibility to explain risks and instructions for the use of the product to those who use the product.
- Use the product in accordance with the instructions for use and safety instructions in this manual. If you have any inquiries, contact Lami Corporation service representative indicated in "After-Sales Service".
- Do not use the product for any purposes other than "the intended use of the product". We cannot guarantee the safety and performance of the product if it is used for purposes not intended or it is used in a manner other than those specified in this manual.
- If this manual becomes illegible by spot or is missing, contact Lami Corporation service representative indicated in "After-Sales Service" to obtain a new manual.
- When transferring, reselling, or leasing the product to a third party, be sure to include this manual with the product.
- Some of the figures and illustrations in this manual are abstracted or omitted.

Warranty and Disclaimer

Warranty conditions are included in the warranty card. In the event that the product failure occurs, we will repair it in accordance with the conditions stated in the warranty card.

- We cannot guarantee any damages caused by using the product incorrectly or in a way not described in this manual.
- We make no warranties with the quality and functionality of the product, and fitness and merchantability for any purpose of use with regards to this manual. Also, we will not be held liable for outcomes of the work using this product or any direct or indirect damages arising therefrom.
- We provide no warranty at all to the results obtained from the usage of the product or this manual.
- We provide no warranty at all to the malfunctions resulting from modification of the product or repairs not performed by us or performed by an unauthorized third party.

Copyright Information

This manual is copyrighted by Lami Corporation Inc. No part of this manual may be reproduced, modified, or translated without the prior written consent of Lami Corporation Inc. Also, this manual must not be copied to any readable media including electronic devices and equipment (scanner, etc.).

Disposal of the Product

Dispose of the product, unused laminating film, and plastic tube (a core around which laminating film is wrapped) in accordance with the laws and regulations in the region or country.

We have been involved in recycling plastic tubes. For further information, contact Lami Corporation service representative indicated in "After-Sales Service".

After-Sales Service (Lami Corporation Service Representative)

If you have any inquiry about the product or when requesting a repair, confirm the serial No. indicated on the serial No. plate (☞ page 13) on the main body, and contact the distributor where you purchased it.

Inquiries about the product are also accepted via the Internet. Please access the following URL.

URL: <https://www.lami-corporation.co.jp>

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MEMO

Chapter 1 Safety Precautions

This chapter describes precautions for handling the product and the safety device installed to the product.

1.1 Labels and Symbols

In this manual, the following labels and symbols are used to indicate precautions to be observed to prevent harm to users and other people/property damage.

Thoroughly understand the meanings of the labels and symbols before reading the text.

The labels below indicate hazardous situations which may occur if not used correctly.	
	Indicates a hazardous situation which, if not abided, could result in death or serious injury.
	Indicates a hazardous situation which, if not abided, may result in injury.
	Indicates a potentially hazardous situation which, if not abided, may result in property damage.

The symbols below indicate precautions to be observed.	
	Indicates mandatory actions
	Indicates prohibited actions

NOTE

"NOTE" is used to highlight important information or provide useful information.

1.2 Precautions for Handling the Product

This section describes precautions for handling the product.

To prevent from death, serious injury, or any damage, be sure to follow the precautions below.

WARNING



Install the product properly according to the installation conditions/environmental conditions.

Installation of the product under inappropriate conditions may result in overheating, fire, or accelerated deterioration of rubber parts.

Install the product according to "3.1 Installation" (☞ page 16).



Do not operate the product if the power cable or power plug is damaged or the plug is loose in the outlet.

Otherwise, electric shock, short circuit, or ignition may result. Replace the power cable if it gets damaged.



Do not damage the power cable.

Otherwise, electric shock, short circuit, or ignition may result. Do not forcibly bend, pull, twist the power cable, place it near hot sections, place heavy objects on it, or modify it.



Hold the main body of the power plug, and ensure to plug it all the way into the outlet.

Holding the power plug by any other part than its main body or insufficiently plugging it may result in electric shock, short circuit, smoke, or fire.



Constantly remove dust on the power plug.

Using the product with dust on the power plug may result in a short circuit, smoke, or fire.



Do not perform any of the following to the product.

Otherwise, ignition or fire may result.

- Placing a source of flame or hot object near the product
- Putting a metal or flammable object into the product
- Spilling water on the product



In a product malfunction or failure, stop using it immediately.

Continued use may result in electric shock, short circuit, smoke, or fire.

<Example of malfunction and failure>

- The power plug or power cable is inordinately hot.
- Pressing the operation key produces no response.
- The main body is deformed or cracked.
- Smoke comes out from the main body, the main body has a burnt smell, or the main body is inordinately hot.

If any of the above occurs, disconnect the power plug immediately and request an inspection/repair.



Do not modify or disassemble the product.

Doing so may cause fire, electric shock, or injury. Contact the distributor where the product was purchased or Lami Corporation service representative for a repair.



While laminating, keep articles such as ties or necklaces away from the paper feed roller to avoid entrapment.

Failure to observe may result in entrapment.

 CAUTION
**Do not insert or remove the power plug with wet hands.**

Doing so may result in fire or electric shock.

**When moving the product or it will be unused for a long time, always disconnect the power plug from the outlet.**

Otherwise, electric shock, injury, or fire from a short circuit may result.

**Be sure to ground the product before inserting the power plug into the outlet.**

Otherwise, an electric shock may result.

**Do not install or store the product within reach of children.**

Doing so may cause electric shock or injury.

**Install the product on a stable surface where no vibration is transmitted from other machinery.**

Installing the product on an unstable surface may cause the product to fall and cause injury or accuracy problems.

**Do not block the vent hole on the product.**

Otherwise, the temperature inside the product will be high, resulting in fire or malfunction.

**Before setting/replacing the laminating film (top film/bottom film) or cleaning each part, turn the power switch off and wait for the heat rollers to cool down.**

Starting work while the heat rollers are heated may cause burns.

While the power is turned on, be careful not to touch the heat rollers or their surroundings (feed guide, film cartridge, etc.) in the event of problems.

NOTICE**Do not step on the product or place heavy objects on it.**

This may damage the product.

**Do not use an organic solvent such as benzine or thinner to clean the product.**

Doing so may deteriorate the product.

If adhesive of the laminating film or dirt adheres to the heat rollers or other components, remove it with a cloth moistened with disinfectant ethanol or alcohol. For the cleaning procedure, follow "Chapter 5 Maintenance" (☞ page 34).

FCC CAUTION:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

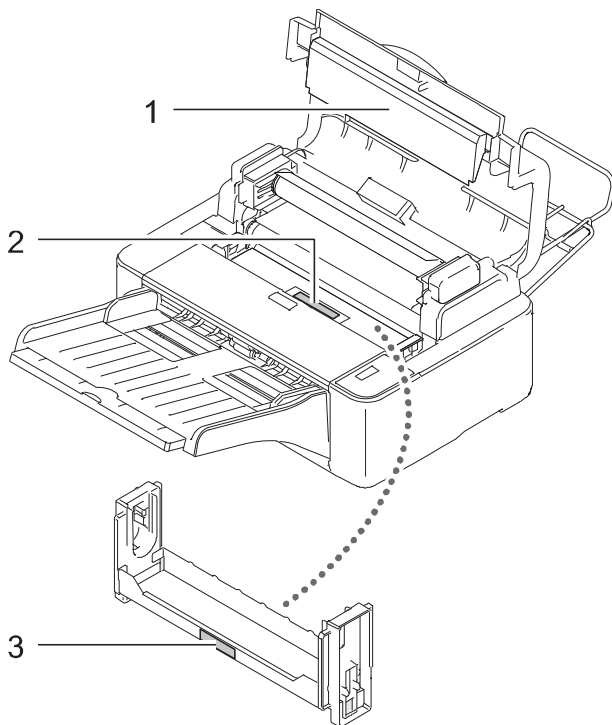
Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

1.3 Safety Labels

This section describes the safety labels affixed on the product. The following safety labels are affixed on the product. Be sure that you understand the content of the safety labels.

Do not smear, cover, remove, or damage the safety labels.

If the safety label is damaged or the text and graphics on the label are illegible or disappeared, contact Lami Corporation service representative to order a new label for replacement.



Types and content of affixed safety labels

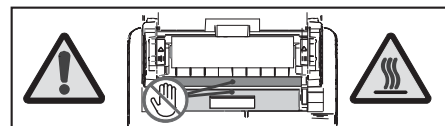
1



(Part No. 621747)

This safety label indicates "Hot temperature! You could be burned. Do not touch".

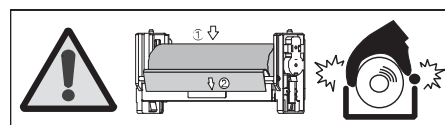
2



(Part No. 621746)

This safety label indicates "Hot temperature! You could be burned. Do not touch".

3

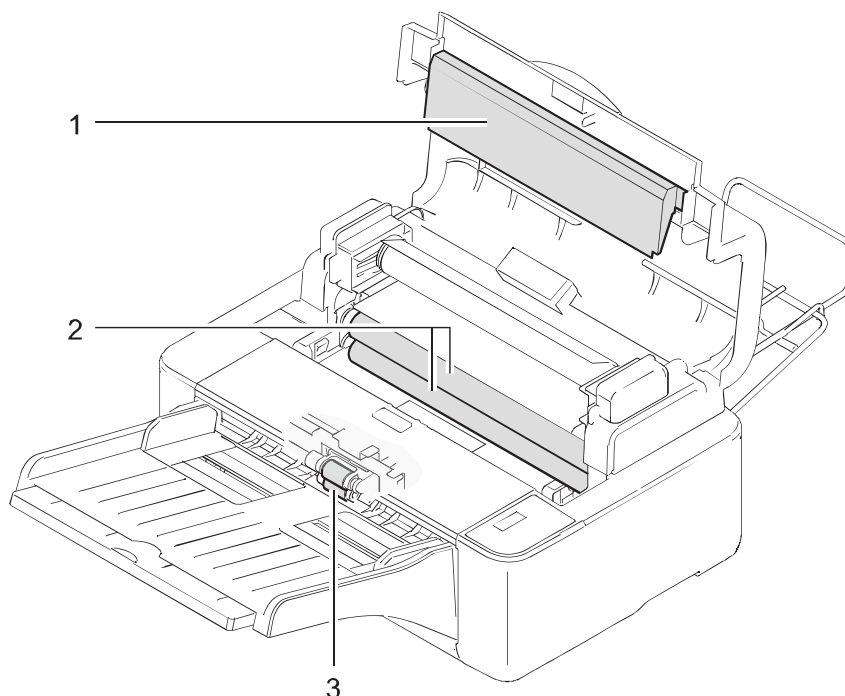


(Part No. 621650)

This safety label indicates "Bottom film setting procedure" and "Risk of pinching fingers!".

1.4 Residual Risks

This section describes the hazard sources remaining in the product and their risks. To prevent injuries from hazard sources, be sure you understand how to avoid the hazards.

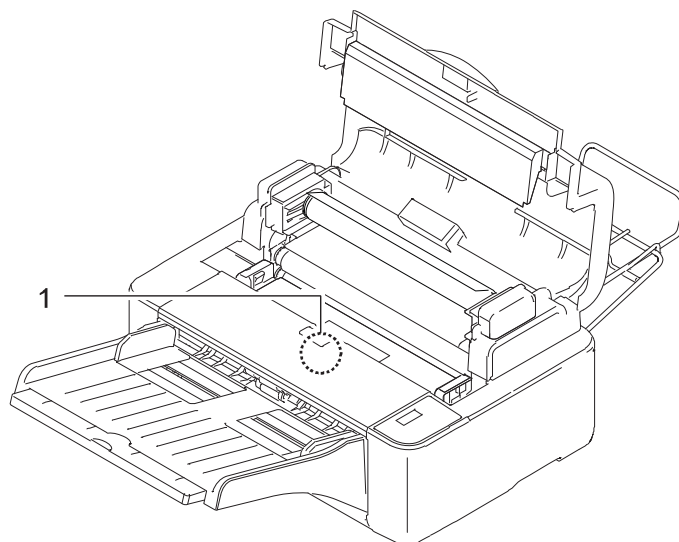


No.	Hazard Source	How to Avoid Risks/Hazards
1	Feed guide	Risk: - Burns due to touch the heated heat rollers or their surroundings (feed guide, film cartridge, etc.) How to avoid the hazard: - The heated heat rollers and their surroundings are hot. When opening the top cover, turn the power switch off and be very careful not to touch the heat rollers and their surroundings. - If a document jam occurs, heating of heat rollers stops at that time. Even in such a case, be careful not to touch the heat rollers or their surroundings because they do not cool down immediately.
2	Heat rollers	
3	Paper feed roller	Risk: - Injury due to entrapment of articles (ties, necklaces, etc.) How to avoid the hazard: - While lamination is in progress, be very careful not to have your accessories entrapped.

1.5 Safety Device

1.5.1 Type of the Safety Device

The following safety device is attached inside the product.

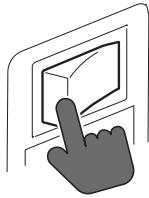


No.	Name of the Safety Device	Function
1	Top cover open/close detector	Detects the opening of the top cover, and stops the operation of the product and heating of the heat rollers. While the top cover is open, the product will not operate and heat the heat rollers. If you open the top cover, the error coder appears on the display.

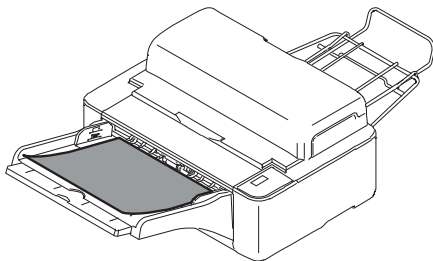
1.5.2 Inspecting the Safety Device

This section describes how to inspect the safety device. Inspect the safety device every month to ensure safety.

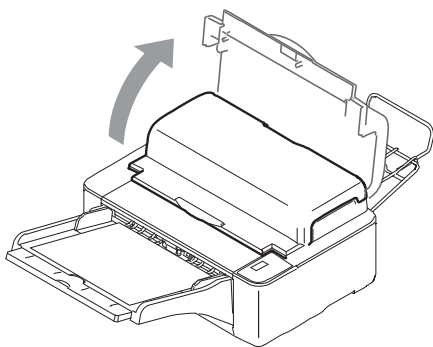
- 1 Turn the power switch on and wait until the [READY] LED illuminates.



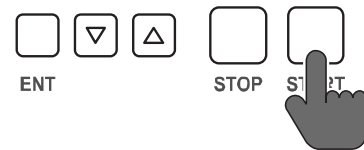
- 2 Place a test document (item to be laminated) on the feed tray.



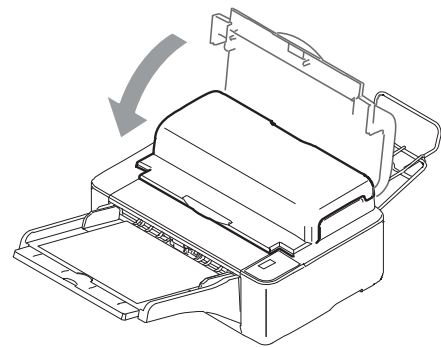
- 3 Open the top cover.



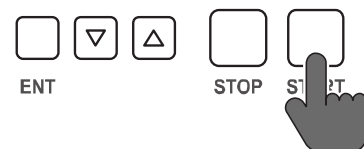
- 4 Press the [START] key and check that the product does not operate.



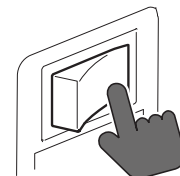
- 5 Close the top cover and check that the product does not operate.



- 6 Press the [START] key and check that the document set on the tray is laminated.



- 7 Turn the power switch off.



If the product is in an abnormal state, disconnect the power plug from the outlet and request a repair.

Chapter 2 Before Using the Product

This chapter describes the product specifications, accessories, and names and functions of components. Read the description to understand the product.

2.1 Overview of the Product

The product automatically feeds, laminates, and outputs documents by setting the rolls of laminating film to the top and bottom inside and placing documents on the feed tray.

In addition, when more than one sheet of document is fed, the product can cut (trim) and output each document automatically.

NOTE

- In this manual, the laminating film attached to the upper side is referred to as the "top film", and the laminating film attached to the lower side is referred to as the "bottom film."

2.2 Specifications

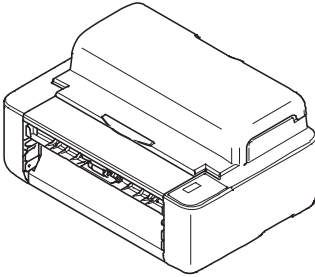
The specifications of the product are as shown below.

Item	Specifications
Max. feed paper width	12.6"
Laminating speed	17.7"/min, 23.6"/min, 29.5"/min
Laminating temperature range	194°F to 248°F
Warm-up time	Approx. 7 min (May differ by the ambient temperature or laminating temperature)
Available laminating film thickness/length	2mil (50μ) /197ft, 3mil (80μ) /98ft 4mil (100μ) /98ft 5mil (125μ) /82ft
Size of laminating document	Portrait orientation: Ledger, Legal, Letter, SRA4, SRA3 Landscape orientation: Letter
Basis weight of laminating paper	16lbs. Bond (60 gsm) to 42lbs. Bond (160 gsm)
Power supply voltage	100 VAC, 50 Hz/60 Hz
Power consumption (Maximum)	600 W
External dimensions	Width 24.8" x Depth 20.7" x Height 15.0" (Dimensions excluding the output tray)
Weight (Main body)	Approx. 55 lbs.
Operating temperature	+50°F to +86°F

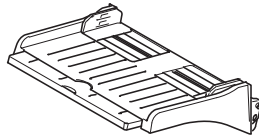
2.3 Accessories

The product comes with the following accessories. After purchase, make sure all of them below are included. If any of the accessories are missing, contact the distributor where the product was purchased or Lami Corporation service representative.

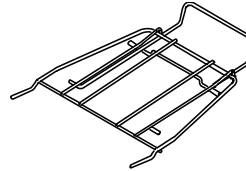
Main body



Feed tray



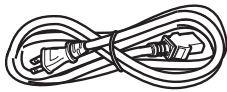
Output tray



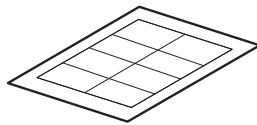
M4 screw (2 screws)



Power cable

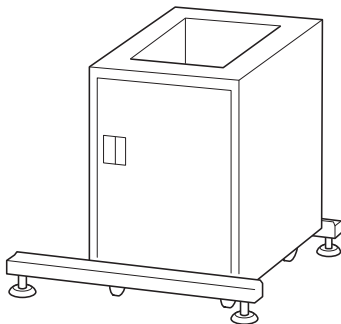


Quick guide



About optional unit

Special stand (Optional)

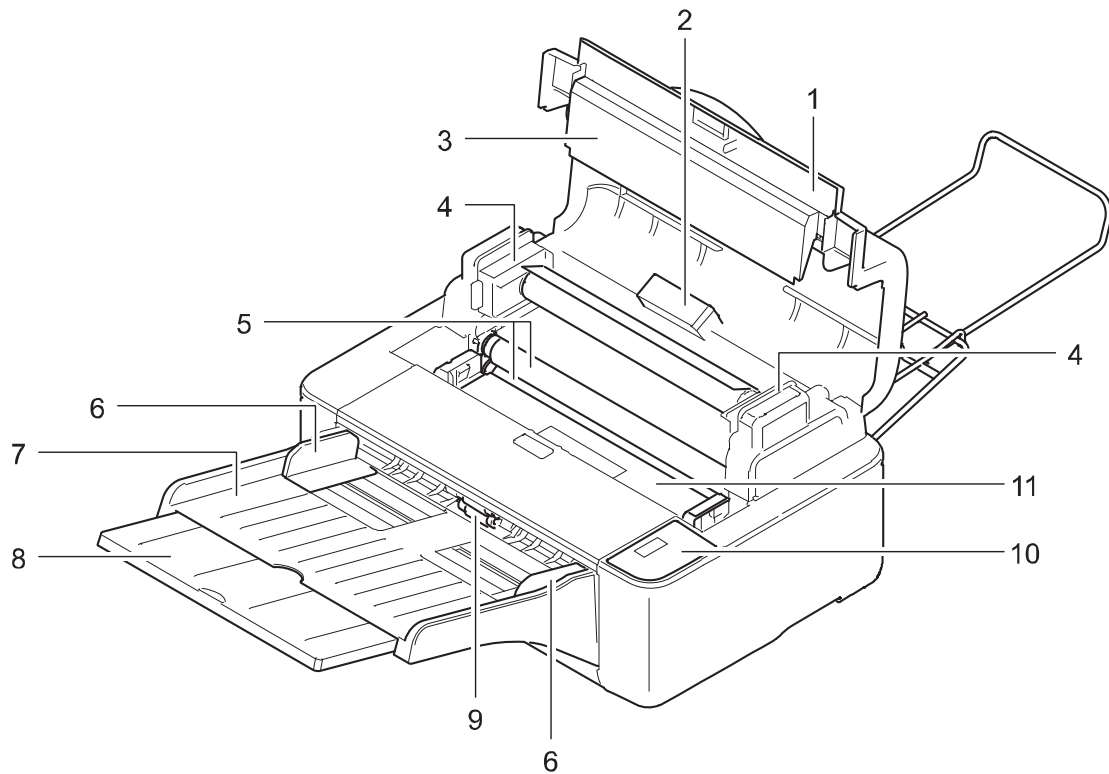


A special stand for mounting the product is available as an option. Contact the distributor where the product was purchased or Lami Corporation service representative for purchase.

2.4 Name and Functions of Components

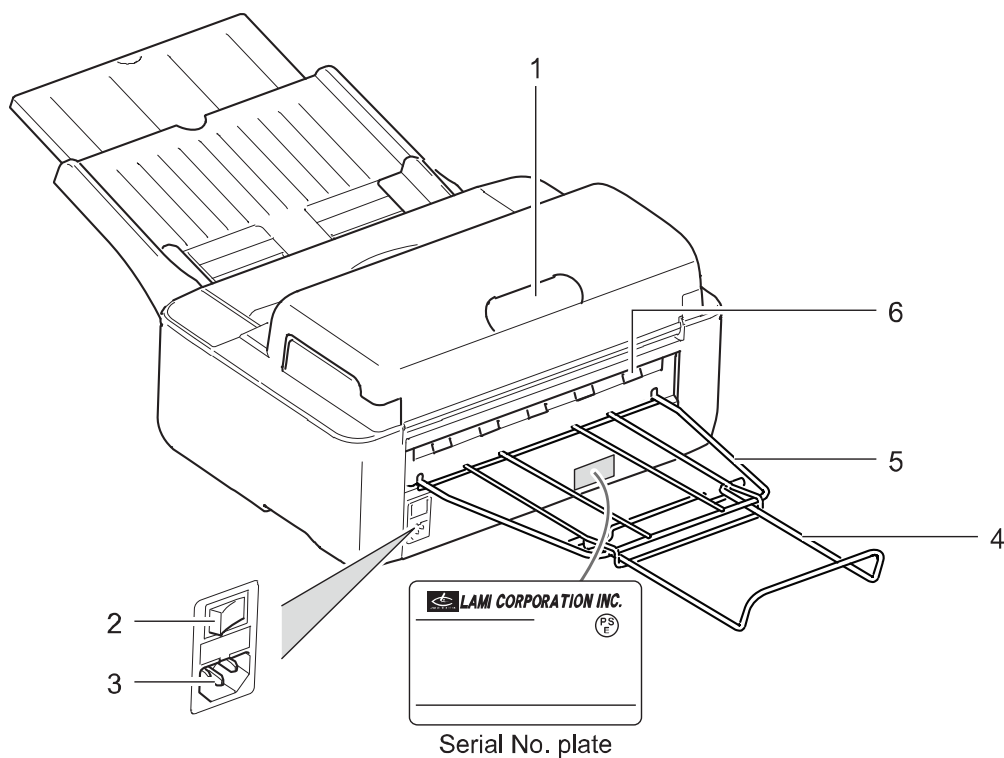
This section describes the names and functions of components.

2.4.1 Main body



No.	Name	Function/Description
1	Top cover	Open/close the top cover when a document jam occurs or when setting the laminating film. Open the top cover by lifting it from the paper feed side.
2	Cooling fan	A fan for cooling inside the product.
3	Feed guide	A guide for feeding the document (item to be laminated) into the heat rollers.
4	Film holder	A holder for attaching the top film.
5	Heat rollers	Rollers for laminating by heat and pressure. The document is laminated being sandwiched between the top film and bottom film.
6	Paper guide	A guide for feeding the document straight.
7	Feed tray	A tray for placing documents.
8	Extended feed tray	A slide-out tray used for laminating long documents (A3 size, B4 size, etc.)
9	Paper feed roller	A roller for feeding the document into the product
10	Operation panel	Operation keys for operating/setting the product are provided (☞ page 14).
11	Film cassette	A cartridge for mounting the bottom film Remove the film cassette and mount the bottom film it.

Back of Main Body



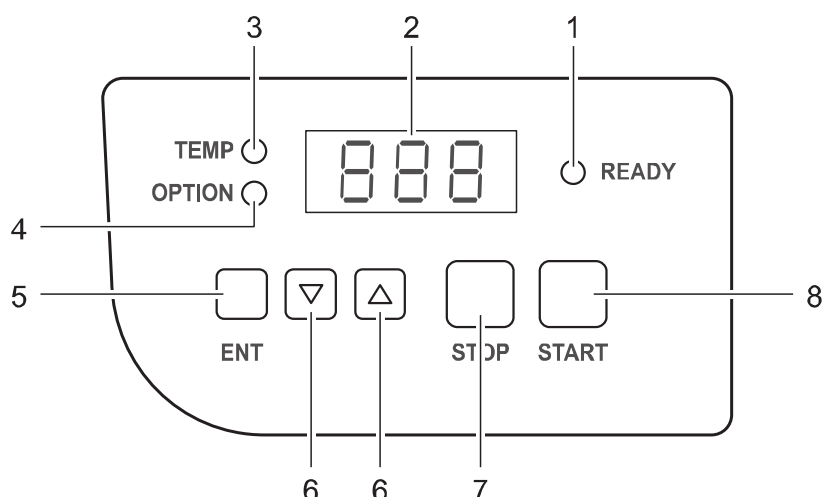
No.	Name	Function/Description
1	Vent hole	A hole for taking in outside air
2	Power switch	A switch for turning on/off the product - To turn on the power: Push the [–] marked side. - To turn off the power: Push the [O] marked side.
3	Power plug inlet	An inlet for inserting the power plug
4	Extended output tray	A slide-out tray used for laminating long documents (A3 size, B4 size, etc.)
5	Output tray	A tray for receiving laminated items
6	Output roller	A roller for outputting laminated items

2.4.2 Operation panel

NOTICE

Do not press more than one key at once.

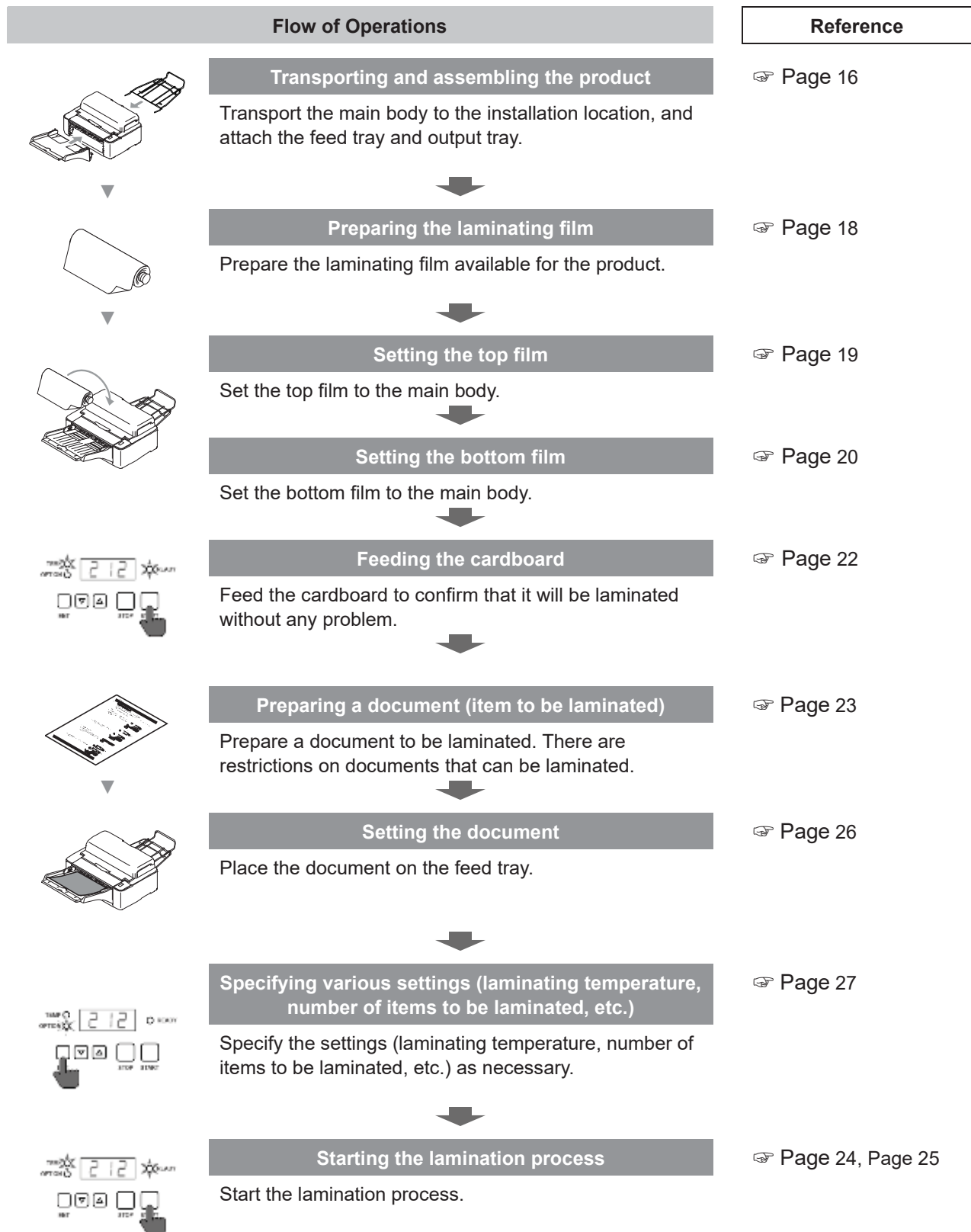
This may cause product malfunction.



No.	Name	Function/Description
1	[READY] LED	Flashes while the heat rollers are heated (during warm-up), and illuminates when the heat rollers reach the set temperature.
2	Display	Displays the set temperature of heat rollers and various set values - When the [TEMP] LED is illuminated: Displays the set temperature (°F) of heat rollers - When the [OPTION] LED is flashing: Displays the value being set in the setting mode. - When the [OPTION] LED is illuminated: Displays the number of documents to feed after setting the number of items to be laminated (Does not indicate the number of items already laminated). NOTE - Messages such as "FLE" or "SLP" may appear while using the product. For details, refer to "6.2 Display Indications" (☞ page 38).
3	[TEMP] LED	Illuminates while the set temperature of heat rollers is indicated in the display.
4	[OPTION] LED	Flashes when various settings are made. When the number of items to be laminated is set, the LED illuminates when the setting is completed.
5	[ENT] key	Use this key for making various settings. Pressing and holding the key (for approx. 1.5 seconds) shifts to the setting mode, allowing various settings to be made (☞ page 27).
6	[△] key, [▽] key	Use these keys to select the setting items or change the set values.
7	[STOP] key	Use this key to stop laminating or exit the setting mode. Pressing and holding the key will cut off the laminating film.
8	[START] key	Use this key to start laminating. Pressing and holding the key will start the rotation of each roller. The rollers continue to rotate while the key is pressed.

2.5 Flow of Operations

The flow of operations from the installation/assembly of the product to the start of lamination is as shown below.



NOTE

- In this manual, the laminating film attached to the upper side is referred to as the "top film," and the laminating film attached to the lower side is referred to as the "bottom film."

Chapter 3 Preparation for Use

This chapter describes the preparations for using the product, including installation procedure of the product, types of available laminating film or document, and laminating film setting procedure.

3.1 Installation

This section describes how to install the product. Before installing the product, read "Precautions for Transportation" and "Precautions for Installation" below.

Precautions for Transportation

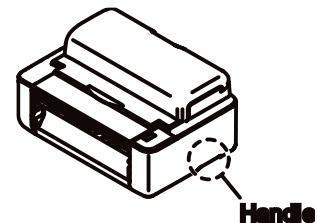
CAUTION

Lift the product with at least two people.

The main body weighs approx. 55 lbs. Lifting the product alone may lead to back pain.

Hold the left and right handles or hold the bottom plate when lifting the product.

Holding the product inappropriately may cause the product to break and fall, resulting in injury or damage.



Do not transport the product with it mounted on the special stand (optional).

- The product may fall and cause injury. Transport the product and the special stand separately.
- When moving the special stand (optional) a little for purposes such as cleaning the floor on which the product is installed, be very careful not to let the special stand fall over or the product fall off.

Precautions for Installation

WARNING

Always use the supplied power cable with the power supply voltage specified in "2.2 Specifications" (☞ page 10).

Otherwise, overheating or ignition may result.

Do not share the outlet with other appliances and avoid using a power strip.

Do not install the product in the following locations.

Installing the product in inappropriate locations may result in ignition or fire.

- Locations with a small space with poor ventilation, such as a closet (Leave at least 19.7 inches from walls.)
- On flammable objects such as carpets, bedding, and paper
- Locations with flammable/explosive gases or toxic gases
- Locations subject to high temperature and high humidity (The operating temperature of the product ranges from +50°F to +86°F.)

CAUTION

Be sure to ground the product before inserting the power plug into the outlet. Otherwise, an electric shock may result.

Do not install or store the product within reach of children.

Doing so may cause electric shock or injury.

Install the product on a stable surface where no vibration is transmitted from other machinery or devices.

Installing the product on an unstable surface may cause the product to fall and cause injury. Install the product in a location where the weight of the product is sufficiently considered.

NOTICE

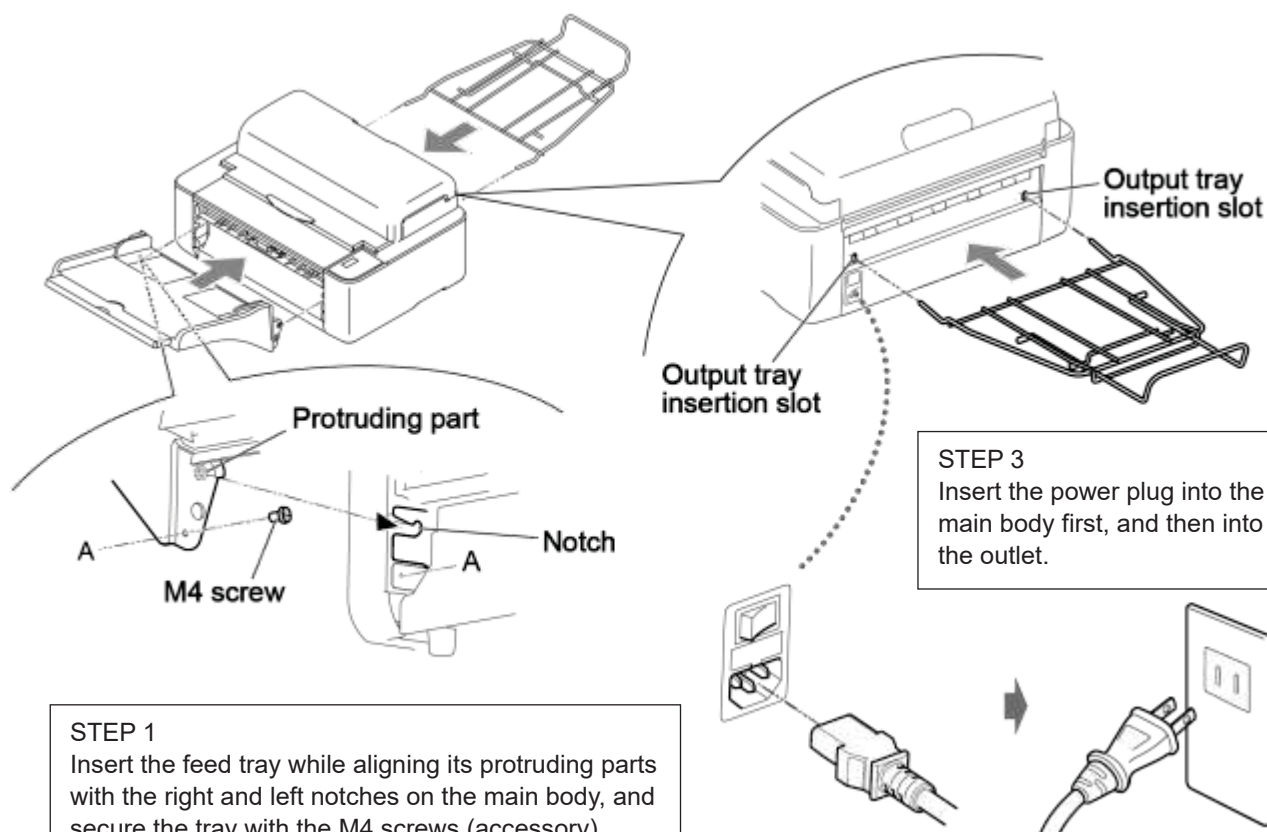
Install the product in a location where the product is not exposed to direct air flow from an air conditioner and direct sunlight.

Air flow from an air conditioner and direct sunlight may adversely affect the rubber parts. When storing the product, also avoid fluorescent lighting.

Install the product in a location where a sufficient work space can be secured. A small work space may decrease work efficiency.

Assembling the product**STEP 2**

Insert the output tray completely into the output tray insertion slot (2 positions).



3.2 Preparing the laminating film

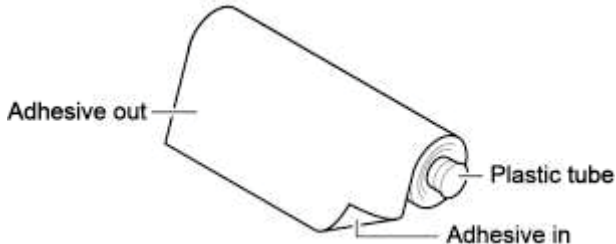
This section describes the laminating film available for the product. Prepare the laminating film described below.

NOTICE

Handle the laminating film with attention to the following.

Failure to pay attention or inappropriate handling may result in product malfunction.

- The laminating film should be stored avoiding high temperature and humidity. Store the laminating film in the designated shelf or box when not in use.
- Use the laminating film suitable for the product and attach the film correctly. The product supports adhesive-out film. If the laminating film is attached in the wrong direction, the adhesive will be deposited on the rollers, causing damage to the rollers.
- Do not use the laminating film with abnormalities. If any abnormality is found in the laminating film, contact the distributor where you purchased it.

Available Laminating Film		
Type	Hot roll film This product uses the "roll type" laminating film. The "pack type" laminating film and "cold film" cannot be used.	
Thickness/Length	2mil (50 μ) /197ft, 3mil (80 μ) /98ft, 4mil (100 μ) /98ft, 5mil (125 μ) /82ft The product uses the dedicated film shaft type.	
Paper tube size (inner diameter)	Dedicated film shaft type (plastic tube) • The product uses the dedicated film shaft type. Types with general paper tube size cannot be used.	 The laminating film with the adhesive side being wound inside the roll is referred to as "adhesive in", the adhesive side being wound on the outside face of the roll is referred to as "adhesive out".
Adhesive surface	Adhesive-out type • The product uses adhesive-out type film. Adhesive-in type film cannot be used.	

Order the laminating film from the distributor where the product was purchased or Lami Corporation service representative.

3.3 Setting the Top Film (Replacing the Top Film)

This section describes how to set the top film.

CAUTION

Before setting/replacing the laminating film (top film/bottom film), turn the power switch off and wait for the heat rollers to cool down.

Starting work while the heat rollers are heated may cause burns.

NOTICE

The top and bottom rolls of laminating film should be replaced with new ones at the same time.

Replacing only one roll of film with a new one or using the top film and bottom film of the different widths may result in product malfunction.

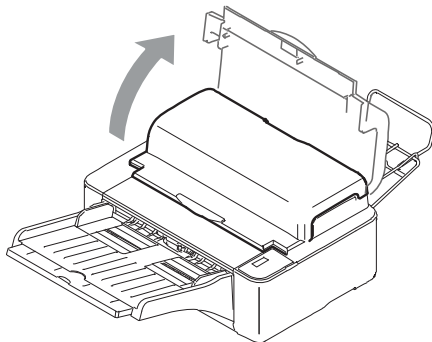
Be sure to set the laminating film in the correct rolling direction.

If attached in the wrong direction, adhesive on the laminating film will be deposited on the rollers, causing damage to the rollers or product malfunction.

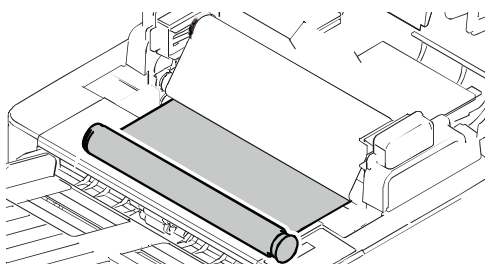
NOTE

- In order to maintain the performance of the product, clean the heat rollers when the top film/film cartridge is removed (cleaning procedure:  Page 34).

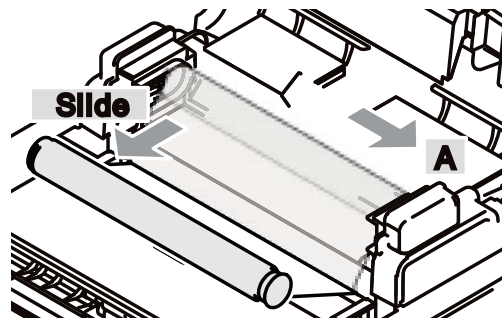
1 Open the top cover.



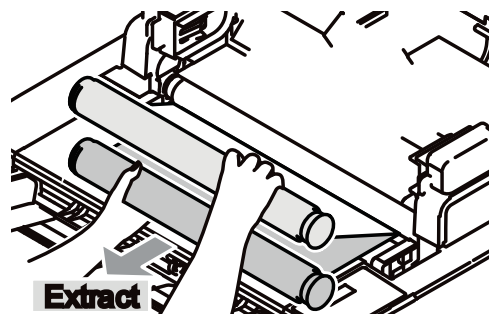
2 If the bottom film still exists, perform steps 2 to 4 in pages 20 and 21 to remove the bottom film. Place the bottom film on the main body.



3 While pressing the top film (or the plastic tube) in Direction A shown in the figure below, slide it towards you to remove it.

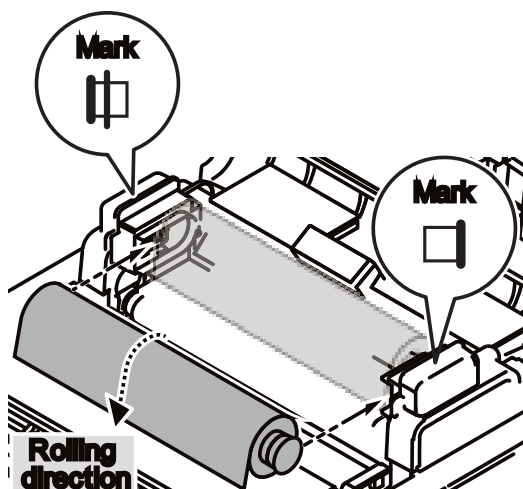


4 Pull the top film and bottom film to extract them from the heat rollers.



(To next page)

- 5** Attach the top film to the main body (film holder) while being careful of its rolling direction.



Next, set the bottom film.

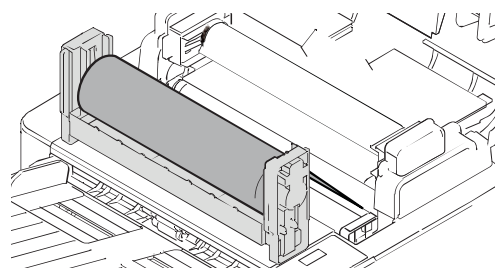
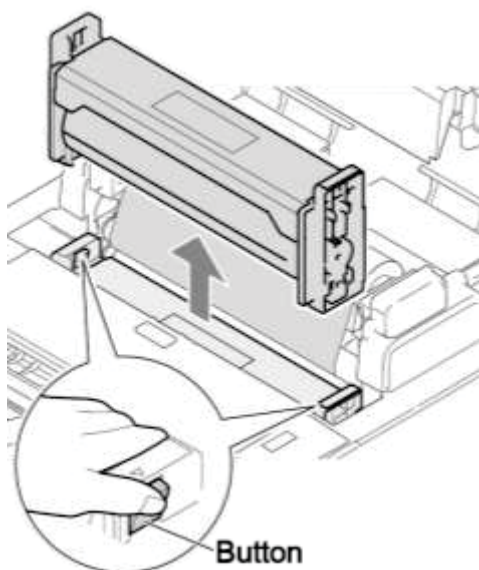
3.4 Setting the Bottom Film (Replacing the Bottom Film)

This section describes how to set the bottom film. Before starting the work, read the precautions in "3.3 Setting the Top Film (Replacing the Top Film)" (☞ page 19).

- 1** Set the top film first (☞ page 19).

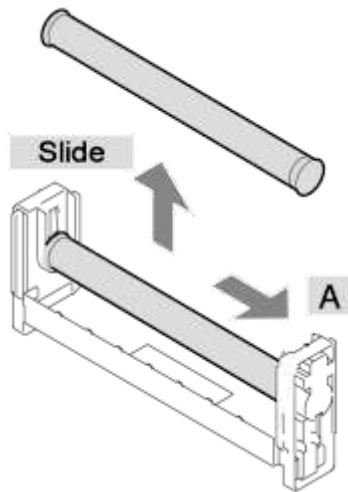
- 3** Place the film cassette upside down on the main body.

- 2** Pinching the buttons on both sides of the film cassette, pull the film cassette out upward.

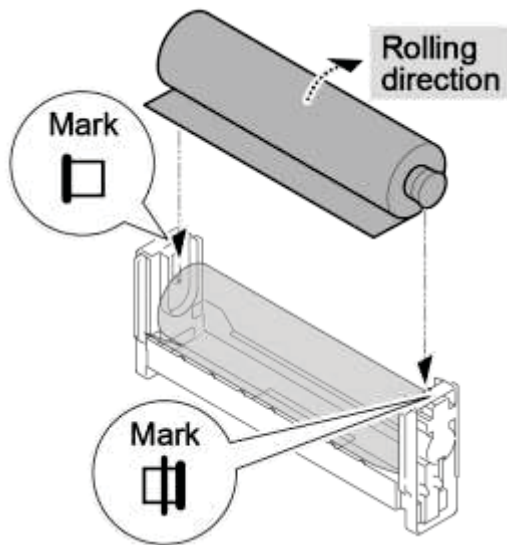


When removing/attaching the laminating film, be careful not to pinch your fingers in the gap between the film cassette and laminating film.

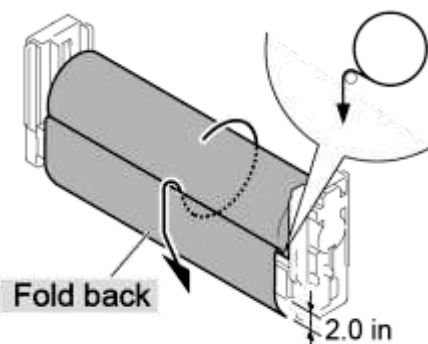
- 4** While pressing the bottom film (or the plastic tube) in Direction A shown in the figure below, remove it upward.



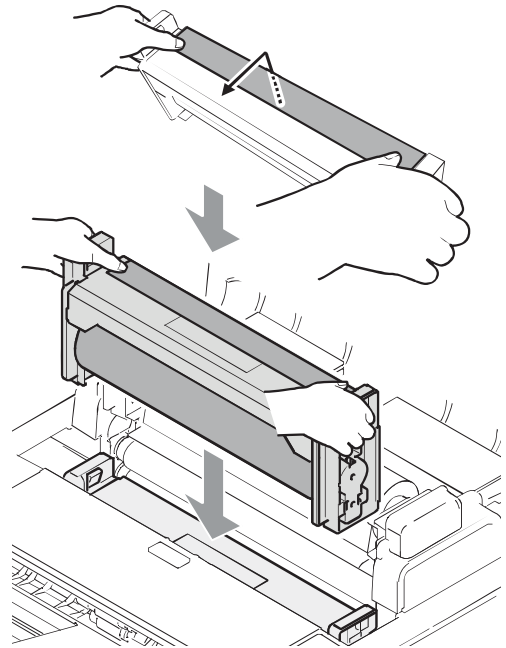
- 5** Attach the bottom film to the film cartridge while being careful of its rolling direction.



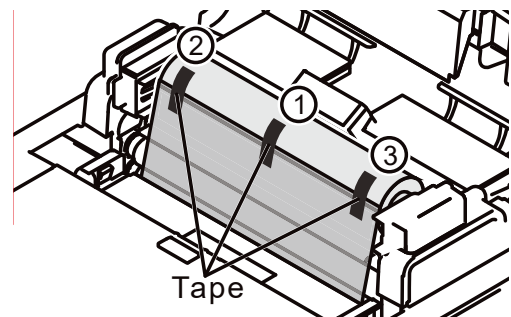
- 6** Pull out the laminating film carefully and fold back the first 2.0 inches of laminating film to the front side.



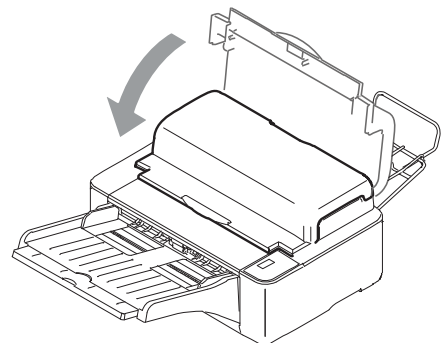
- 7** Pressing the folded part with your fingers, reverse the film cassette and attach it to the main body.



- 8** Carefully pull the lower film straight out, place the lower film on the upper film by approx. 0.4 inches, and tape the film at (1), (2), and (3) in this order (length: 2.0 inches, 3 positions).



- 9** Close the top cover.

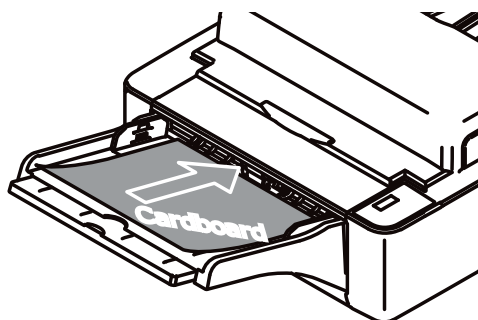


Next, feed the cardboard.

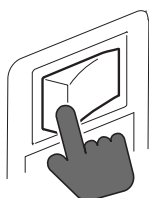
3.5 Feeding the cardboard

This section describes how to feed the cardboard. After setting the top film and bottom film, feed the cardboard included in the laminating film to confirm that it will be laminated without any problem.

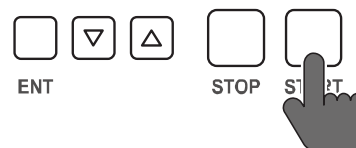
- 1 Place the cardboard included in the laminating film on the feed tray, and push in until it contacts the paper feed port.



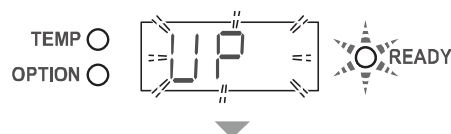
- 2 Turn the power switch on.



- 3 Press the [START] key.

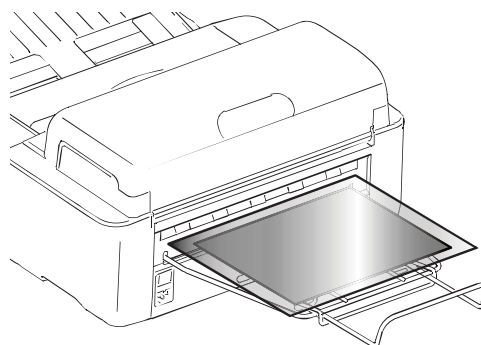


The display indication changes to "UP" (the [READY] LED flashes) and warm-up starts.



When warm-up is finished, the display changes to indicate the set temperature (the [READY] LED illuminates) and the cardboard will be fed.

- 4 Check that the cardboard is laminated without any problem.

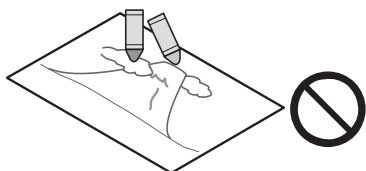


3.6 Preparing the Document

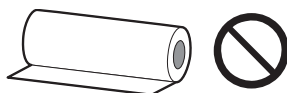
This section describes the types of documents and the size of paper that can be laminated. With this product, photos and color printed paper can be laminated.

Once the document is laminated, you cannot take it out by removing the laminating film. Lamination using the following types of documents is not available.

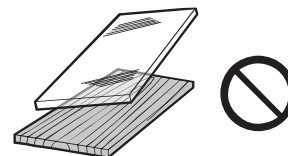
Paper with crayon drawings
(Some crayons liquefy when heated)



Paper that may deform or deteriorate with heat or pressure (heat-sensitive paper, pressure-sensitive paper, etc.)



Non-paper materials
(glass, wood, etc.)



Thickness of paper that can be laminated

The thickness below is provided for reference. The thickness varies depending on the type of paper and the printing conditions including toner and ink. For information on the thickness (basis weight: g/m²) of paper used, contact the paper distributor or supplier.

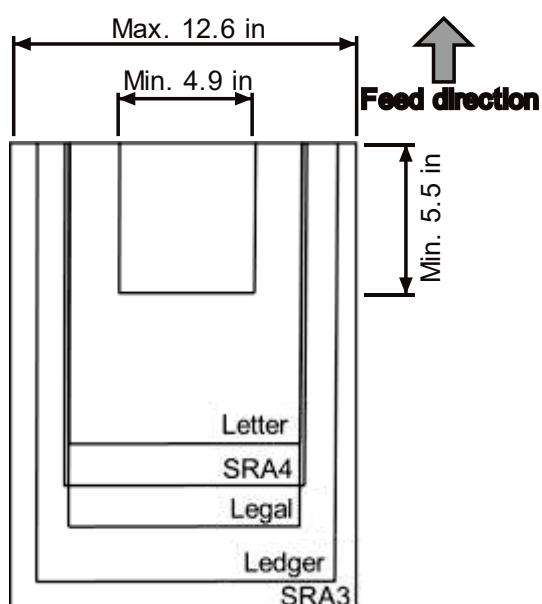
Basis Weight	Number of Sheets That Can Be Set
16lbs (60 gsm) to 21lbs (80 gsm)	50 sheets
26lbs(100 gsm) to 42lbs (160 gsm)	25 sheets

NOTE

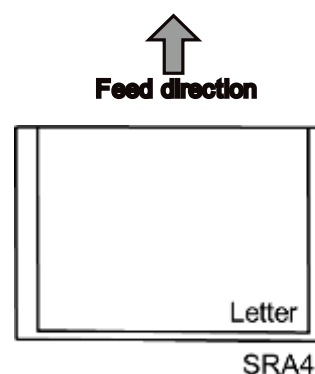
- If you use paper with a thickness outside the specified range, the paper may not be fed or more than one sheet of paper may be fed at one time.

Size of paper that can be laminated

Portrait orientation: SRA4, SRA3, Letter, Legal, Ledger



Landscape orientation: SRA4, Letter



(Reference)		
Paper Dimensions		
Paper size	Width (inch)	Length (inch)
SRA3	12.6	17.7
SRA4	8.9	12.6
Letter	8.5	11
Legal	8.5	14
Ledger	11	17

* Note that small documents are likely to be fed diagonally.

Chapter 4 Instructions for Use

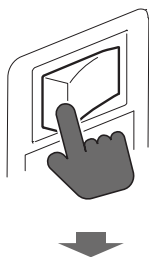
This chapter describes the lamination procedure and how to make various settings such as laminating temperature and the number of items to be laminated.

4.1 Basic Operation Procedures

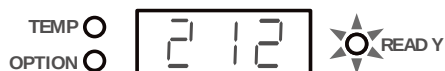
This section describes the basic operation procedure for laminating. Start the lamination process according to the following procedure.

- Various settings (laminating temperature, number of items to be laminated, etc.) and document setting can also be made during warm-up (heat rollers are heating up).
- When you want to interrupt laminating, press the [STOP] key.
When the [STOP] key is pressed during the laminating operation, the operation stops after the document being processed is laminated.

1 Turn the power switch on and wait until the [READY] LED illuminates.

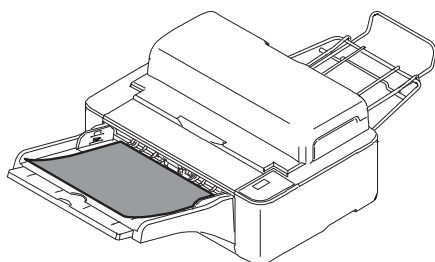


The [READY] LED flashes during warm-up, and illuminates when the heat rollers reach the set temperature.

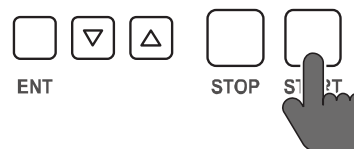


2 Specify the settings (laminating temperature, number of items to be laminated, etc.) as necessary (page 27).

3 Set the document on the feed tray (page 26).

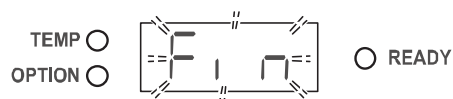


4 Press the [START] key.



The document will be laminated and sent to the output tray.

When lamination has successfully completed, the display indicates [Fin] and the product will be standby.



NOTE

- If the product has remained standby for more than 30 minutes, the display indicates "SLP" and the product shifts to the power saving mode.
To start the lamination process in this state, refer to the next page.



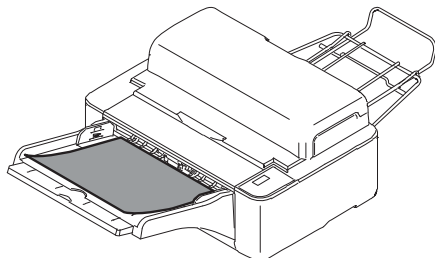
- Turn the power switch off when the lamination process is completed and the product is not in use.

4.1.1 Starting the Lamination Process While in the Power Saving Mode

While the display indicates "SLP", the product is in the power saving mode.

In this case, start the lamination process according to the following procedure.

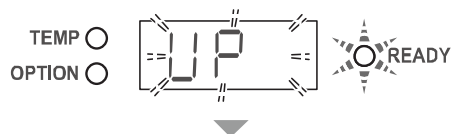
- 1 Set the document on the feed tray (page 26).



- 2 Press the [START] key.



The display indication changes to "UP" (the [READY] LED flashes) and warm-up starts.



When warm-up is finished, the display changes to indicate the set temperature (the [READY] LED illuminates) and the lamination process will start automatically.

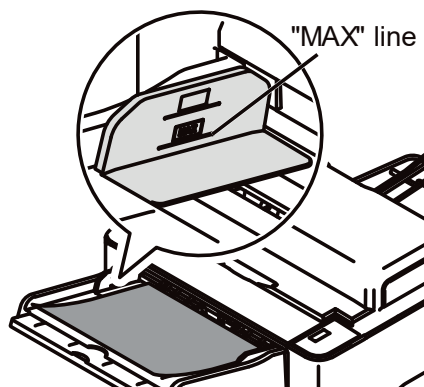


4.2 Setting the Document

This section describes how to set the document.

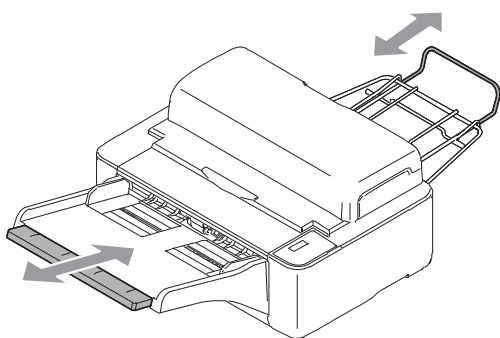
To prevent paper feed errors

- When multiple documents need to be laminated, align the entire document uniformly before placing them on the feed tray.
- Be careful so that the thickness of documents does not exceed the "MAX" line indicated on the paper guide.

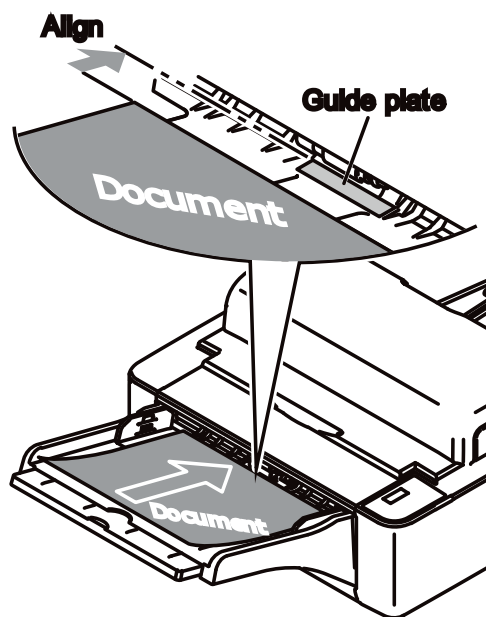


- Do not push the documents against the paper feed port excessively.

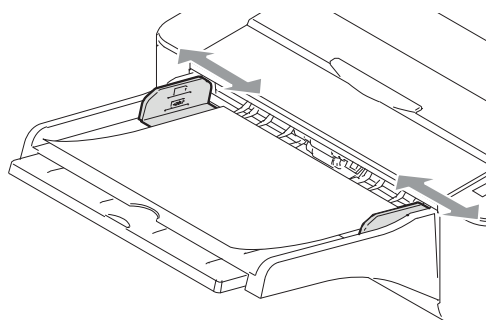
- 1 Set the extended feed tray/extended output tray according to the length of document.



- 2 Place the document on the feed tray, and align the front edge of the document with the back end of the guide plate.



- 3 Adjust the paper guide according to the width of document.



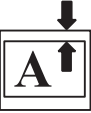
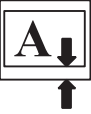
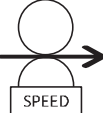
The paper guide should be adjusted so that there is no gap between both ends of the document and the paper guide.

If any gap exists, the document will be laminated at an angle.

4.3 Changing the Settings (Various Settings)

This section describes how to specify various settings.

The following settings can be made with the product (If any problem occurs, the setting being made will be aborted).

Settings	Reference
 Laminating temperature The temperature of the heat rollers for laminating can be set.	 Page 27 (Checking the Current Temperature  page 28)
 Number of items to be processed The number of items to be laminated can be set.	 Page 29
 Whether to cut the laminated item (product) You can set whether to cut the laminated product before outputting it or to output it without cutting it.	 Page 30
 Front edge margin of the document The margin from the front edge of the document to that of the laminating film can be set.	 Page 31
 Rear edge margin of the document The margin from the rear edge of the document to that of the laminating film can be set.	 Page 32
 Laminating speed The laminating speed can be set.	 Page 33

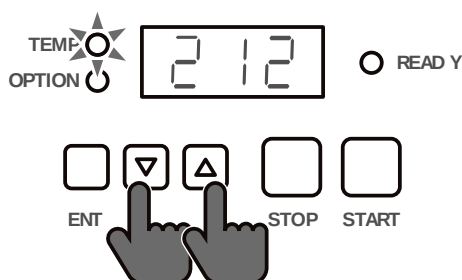
4.3.1 Changing the Laminating Temperature



This section describes how to change the laminating temperature. You can also check the current temperature. To check the current temperature, refer to the next page.

- By default, it is set to 212°F. The setting can range between 194°F and 248°F.

- While the [TEMP] LED is illuminated, press the [Δ] or [▽] key to set to the desired temperature.



The laminating temperature can vary depending on the thickness of the laminating film used and the printing conditions, including the material of the document, toner, and ink. Check the finished products and adjust the temperature to the appropriate setting as needed.

Guide for temperature setting and laminating speed

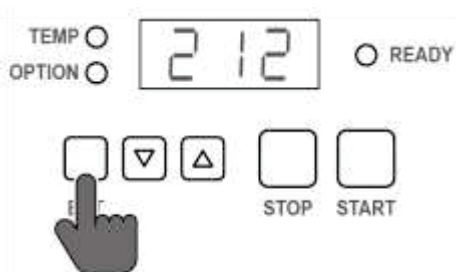
Basis Weight	Thickness of the Laminating Film	
	2mil(50μ)/3mil(80μ)	4mil(100μ)/5mil(125μ)
16lbs (60 gsm) to 24lbs (90 gsm)	212°F_ 750 mm/min	248°F_ 750 mm/min
26lbs (100 gsm) to 42lbs (160 gsm)	230°F_ 750 mm/min	248°F_ 600mm/min Or 450 mm/min

4.3.2 Checking the Current Temperature

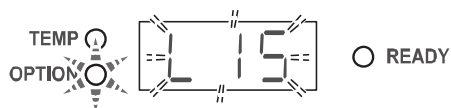


This section describes the operation procedure for checking the current temperature.

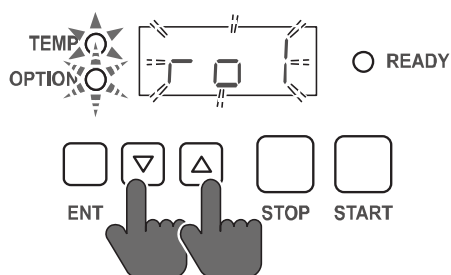
- 1 Press and hold the [ENT] key for at least 1.5 seconds.



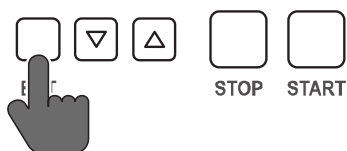
The product shifts to the setting mode and the [OPTION] LED flashes.



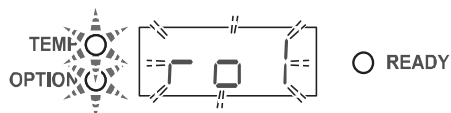
- 2 Press the [Δ] or [▽] key until "rol" appears on the display.



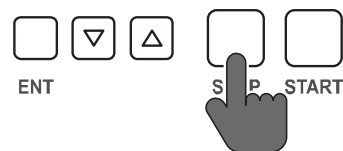
- 3 Press the [ENT] key.



The product shifts to the detected temperature display mode and the [TEMP] LED flashes.



- 4 Press the [STOP] key.



The product exits the setting mode while still in the detected temperature display mode.

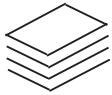
The display will illuminate indicating the current temperature.



In the detected temperature display mode, the [TEMP] LED flashes to indicate the current temperature.

When the [ENT] key is pressed in the detected temperature display mode, the [TEMP] LED illuminates and the operation returns the normal mode.

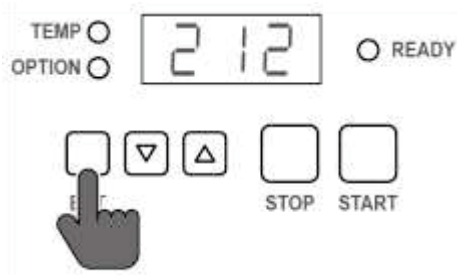
4.3.3 Changing the Number of Items to Be Laminated



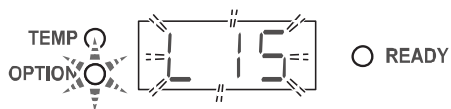
This section describes how to change the number of items to be laminated.

- By default, it is set to 0 sheets. The setting can range between 0 and 999 sheets.
- When set to 0 sheets, all the documents on the tray are fed continuously.

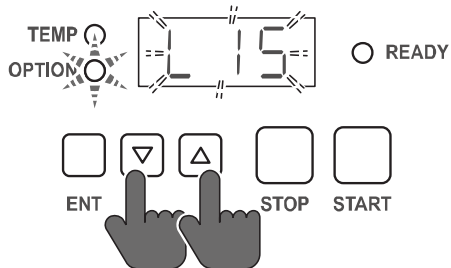
1 Press and hold the [ENT] key for at least 1.5 seconds.



The product shifts to the setting mode and the [OPTION] LED flashes.



2 Press the [Δ] or [▽] key until "LIS" appears on the display.



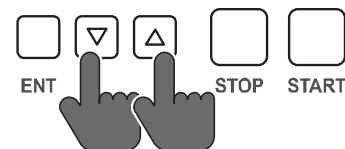
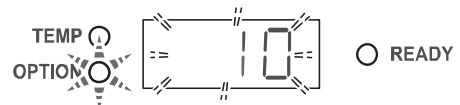
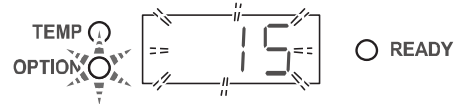
Upon shifting to the setting mode, "LIS" is already selected.

3 Press the [ENT] key.

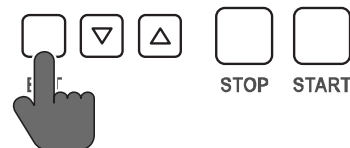


The product shifts to the mode for setting the number of items to be laminated, and the display will flash the current number of items to be laminated.

4 Press the [Δ] or [▽] key to select the desired number of items to be laminated.

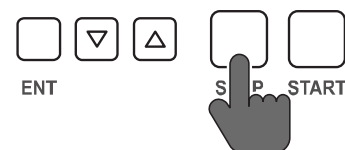


5 Press the [ENT] key.



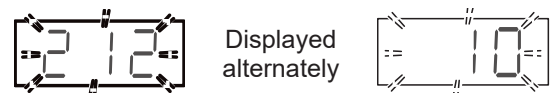
The selected number of items to be laminated is set, and the display returns to "LIS" as in Step 2.

6 Press the [STOP] key.



The product exits the setting mode and returns to the normal mode.

The display will alternate between the set number of items to be laminated and the current temperature setting (or the detected temperature).



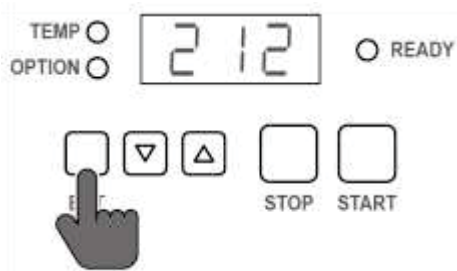
4.3.4 Cutting/Not Cutting the Laminated Items (Products)



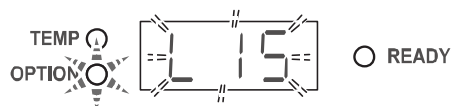
This section describes how to set whether to cut or not to cut the products to be laminated.

- By default, it is set to "cut". You can select either "cut" or "not cut".

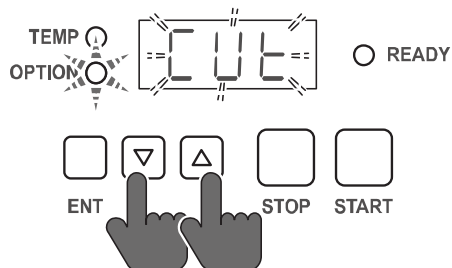
1 Press and hold the [ENT] key for at least 1.5 seconds.



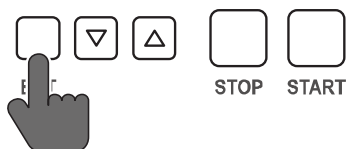
The product shifts to the setting mode and the [OPTION] LED flashes.



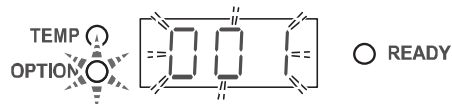
2 Press the [Δ] or [▽] key until "CUE" appears on the display.



3 Press the [ENT] key.

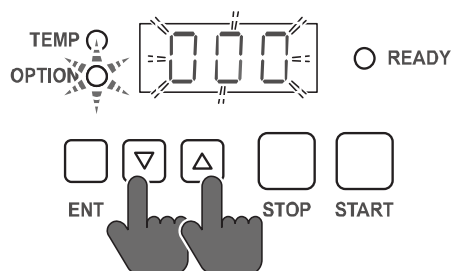


The product shifts to the mode for setting whether to cut the laminated item, and the display will flash the current value ("001" or "000").



4 Press the [Δ] or [▽] key to select "001" or "000".

Select "001" if you want to cut, and select "000" if you do not want to cut.



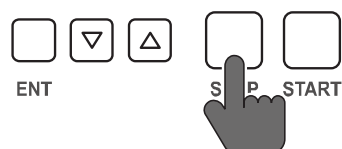
When "not cut" ("000") is selected, the front edge and rear edge of the product will be cut and the product will be output continuously in a long sheet. Be careful so that the laminated product does not get entangled.

5 Press the [ENT] key.



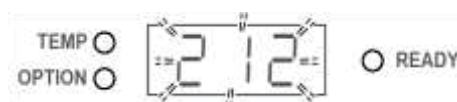
The selected value is set, and the display returns to "CUE" as in Step 2.

6 Press the [STOP] key.

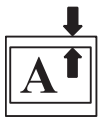


The product exits the setting mode and returns to the normal mode.

The display will illuminate indicating the current set temperature.



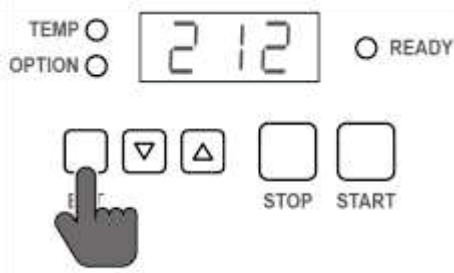
4.3.5 Changing the Front Edge Margin



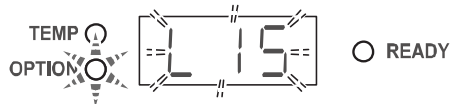
This section describes how to change the margin from the front edge of the document to that of the laminating film.

- By default, it is set to 3.5 mm. The setting can range between 3.5 and 45.5 mm. The margin can be set in 1 mm increments.

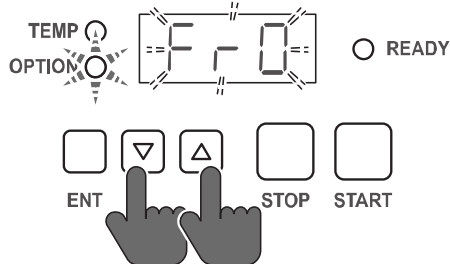
1 Press and hold the [ENT] key for at least 1.5 seconds.



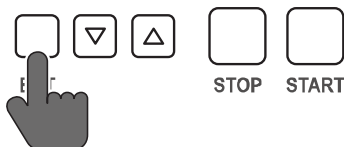
The product shifts to the setting mode and the [OPTION] LED flashes.



2 Press the [Δ] or [▽] key until "FrO" appears on the display.



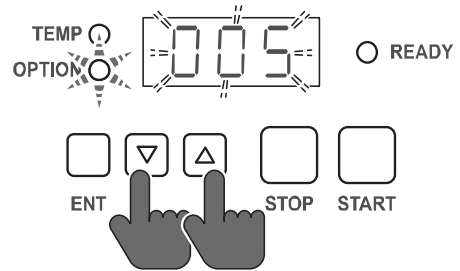
3 Press the [ENT] key.



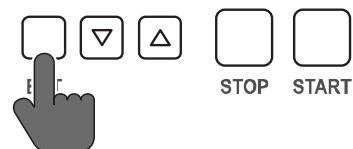
The product shifts to the set value change mode, and the display will flash the current margin value.



4 Press the [Δ] or [▽] key to select the desired margin value.

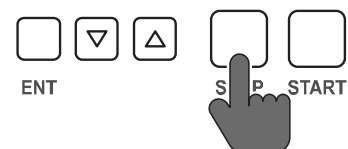


5 Press the [ENT] key.



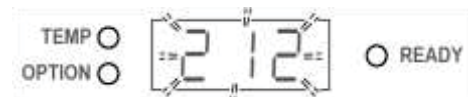
The selected value is set, and the display returns to "Fro" as in Step 2.

6 Press the [STOP] key.

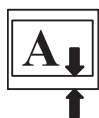


The product exits the setting mode and returns to the normal mode.

The display will illuminate indicating the current set temperature.



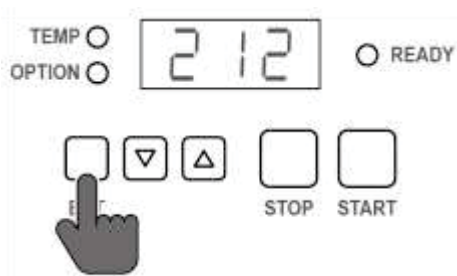
4.3.6 Changing the Rear Edge Margin



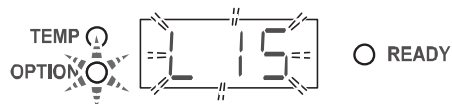
This section describes how to change the margin from the rear edge of the document to that of the laminating film.

- By default, it is set to 3.5 mm. The setting can range between 3.5 and 45.5 mm. The margin can be set in 1 mm increments.

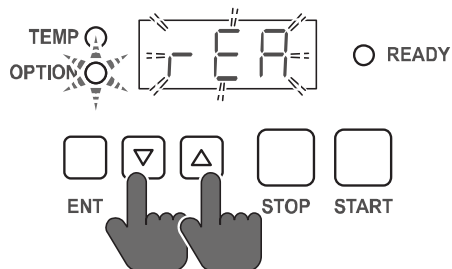
1 Press and hold the [ENT] key for at least 1.5 seconds.



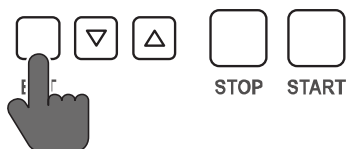
The product shifts to the setting mode and the [OPTION] LED flashes.



2 Press the [Δ] or [▽] key until "rEA" appears on the display.



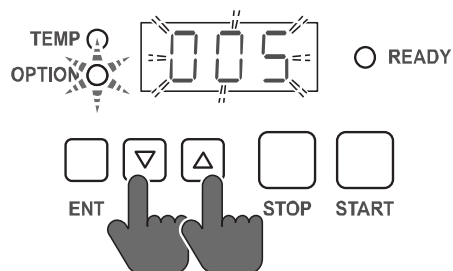
3 Press the [ENT] key.



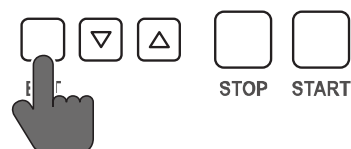
The product shifts to the set value change mode, and the display will flash the current margin value.



4 Press the [Δ] or [▽] key to select the desired margin value.

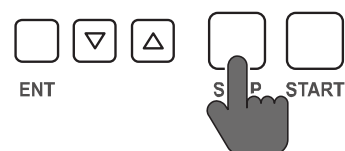


5 Press the [ENT] key.



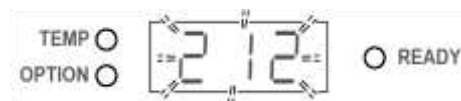
The selected value is set, and the display returns to "rEA" as in Step 2.

6 Press the [STOP] key.

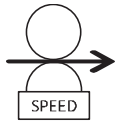


The product exits the setting mode and returns to the normal mode.

The display will illuminate indicating the current set temperature.



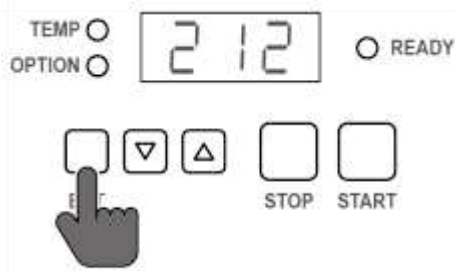
4.3.7 Changing the Laminating Speed



This section describes how to change the laminating speed.

- By default, it is set to 750 mm/min. You can set it to 750 mm/min, 600 mm/min, or 450 mm/min.

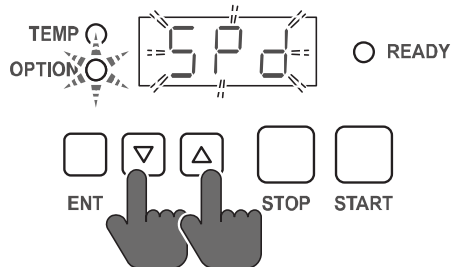
- Press and hold the [ENT] key for at least 1.5 seconds.



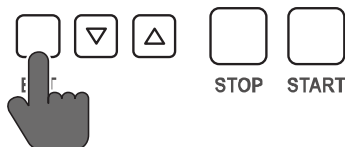
The product shifts to the setting mode and the [OPTION] LED flashes.



- Press the [Δ] or [▽] key until "SPd" appears on the display.



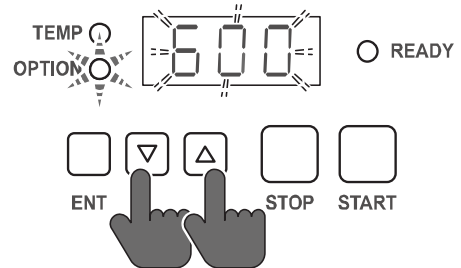
- Press the [ENT] key.



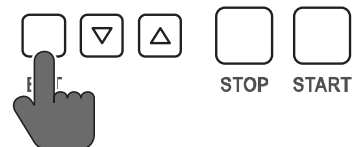
The product shifts to the laminating speed setting mode, and the display will flash the current value ("750", "600", or "450").



- Press the [Δ] or [▽] key to select "750", "600", or "450".

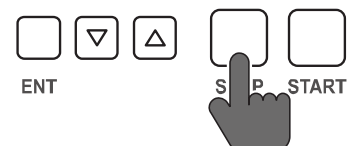


- Press the [ENT] key.



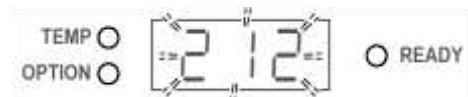
The selected value is set, and the display returns to "SPd" as in Step 2.

- Press the [STOP] key.



The product exits the setting mode and returns to the normal mode.

The display will illuminate indicating the current set temperature.



NOTE

- Guide for temperature setting and laminating speed: Page 27

Chapter 5 Maintenance

This chapter describes the maintenance tasks (cleaning procedure) of the product to maintain its performance.



CAUTION

Perform the following before cleaning the product.

Failure to follow may cause injury or burns.

- Turn the power switch off.
- When cleaning the heat rollers, wait for the heat controllers to cool down before opening the top cover.

NOTICE

Observe the following when cleaning the product.

Failure to follow may cause the product to malfunction or the parts to be deformed, discolored, or damaged.

- Do not use a brush or steel wool or other hard objects for cleaning.
- Do not apply force to the heat rollers/paper feed roller for extended periods.
- Do not clean the product by feeding thick or thin paper.
Thick paper may jam inside the product and thin paper may wrap around the heat rollers or paper feed roller.
- Do not use an organic solvent such as benzine or thinner to clean the heat rollers or paper feed roller.

5.1 Cleaning the Heat Rollers

This section describes how to clean the heat rollers.

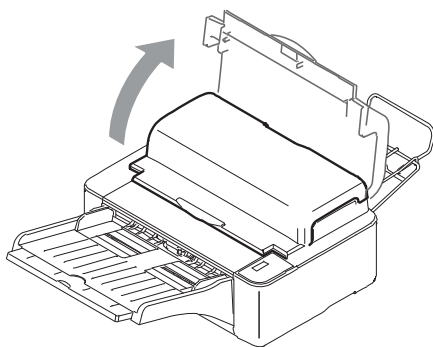
During the lamination process, a small amount of adhesive may squeeze out from the edge of the laminating film and adhere to the heat rollers. Laminating with adhesive on the heat rollers may result in poor quality or failure. Therefore, be sure to clean the heat rollers regularly.



CAUTION

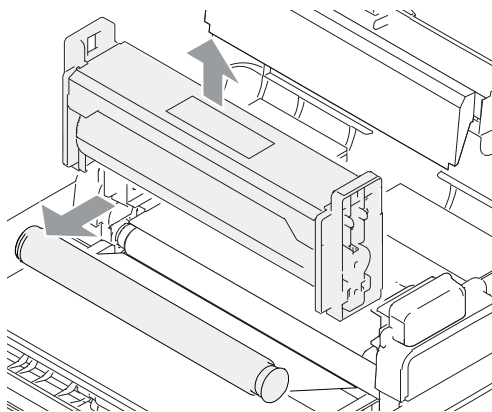
Before start cleaning, read the precautions in "Chapter 5 Maintenance" (page 34).

1 Open the top cover.

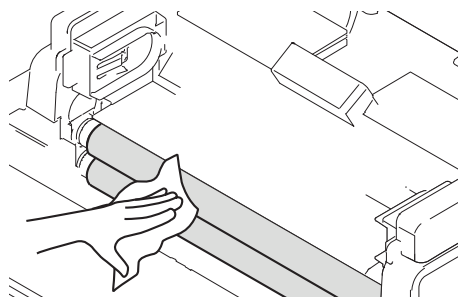


2 Remove the top film and film cartridge (page 19, page 20).

Extract the top film and bottom film from the heat rollers.



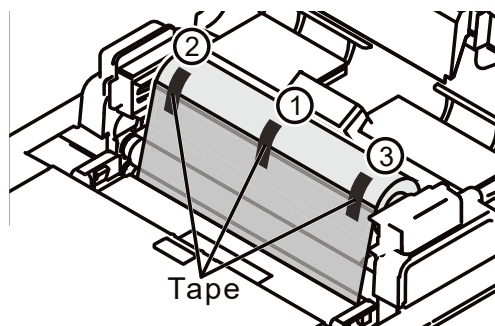
3 Wipe off the dirt or adhesive adhered to the heat rollers with a soft dry cloth.



When the heat rollers are very dirty with dirt or adhesive, wipe off with a soft cloth moistened with disinfectant ethanol or alcohol.

4 Attach the top film and film cartridge, carefully pull the bottom film straight out, place the bottom film on the top film by approx. 0.4 inches, and tape the film at (1), (2), and (3) in this order (length: 2.0 inches, 3 positions).

Top film and film cartridge attachment procedure:
 Page 19, page 20



5 Close the top cover.

5.2 Cleaning the Paper Feed Roller

This section describes how to clean the paper feed roller.

Laminating with dirt on the paper feed roller may cause a paper feed error. Therefore, be sure to clean the paper feed roller regularly.

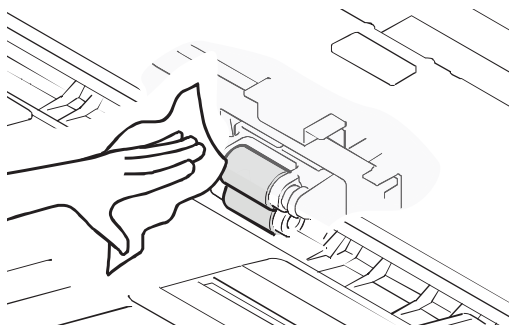


CAUTION

Before start cleaning, read the precautions in "Chapter 5 Maintenance" (page 34).

1

Wipe off the dirt adhered to the paper feed roller with a soft dry cloth.



When the paper feed roller is very dirty with dirt or adhesive, wipe off with a soft cloth moistened with alcohol.

Chapter 6 Troubleshooting

This chapter describes potential problems and solutions.

6.1 Causes and Solutions for Problems

This section describes causes and solutions for possible problems.

If the problem is not solved, please contact the distributor where you purchased the product.



WARNING

When inspecting the internal parts, follow the descriptions in "1.4 Residual Risks" (☞ page 7) to avoid injury.

Problem	Cause	Possible Solutions
The product does not turn on	The power plug is not inserted completely	Make sure the power plug of the main body/outlet is completely inserted.
	The power supply voltage capacity is insufficient	- Make sure no devices with large power consumption (heater, floodlight, etc.) are used around the product. Use the product with a separate power source from devices with large power consumption. - Make sure the power plug of the product is not connected to a long extension cable.
Operation will not start	The power switch is turned off	Turn on the power switch.
	The top cover is open	Close the top cover tightly
	The set temperature has not been reached (warm-up in progress)	Warm-up is in progress while the [READY] LED is flashing. Leave the product as it is. When the product is warmed up and the [READY] LED illuminates, an operation is ready to start.
An abnormal sound is heard from inside the product	The internal gear or screws are loose	A close internal inspection is necessary. Turn off the power switch, disconnect the power plug from the outlet, and then contact the distributor where you purchased the product.
The product malfunctions or the power turns off	An error has occurred in the electrical system	
Paper cannot be fed	The document is not set properly	Make sure that the document is set properly (☞ page 26). The problem may have occurred due to an attempt being made to laminate the document that is not available with the product or multiple sheets of documents being placed on the paper feed tray.
	The paper feed roller is dirty	Clean the paper feed roller (☞ page 36).

6.2 Display Indications

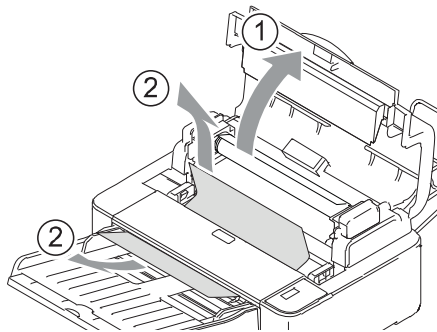
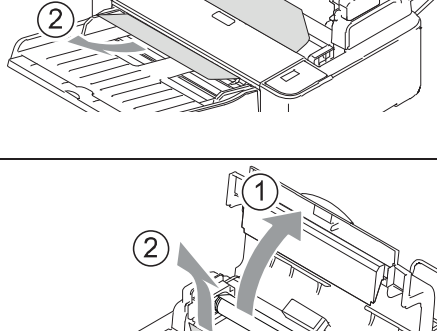
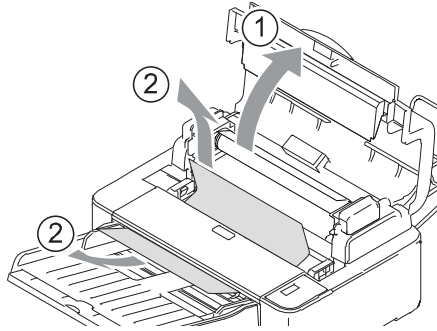
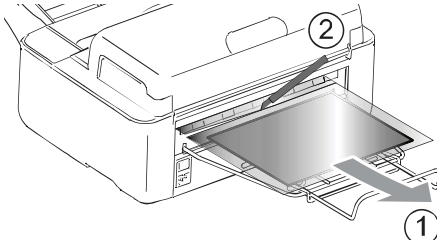
This section describes the messages that may appear on the display.

In addition to the laminating temperature and the number of items to be laminated, symbolic messages may appear while using the product (except when various settings are made). The indications and description are as shown below.

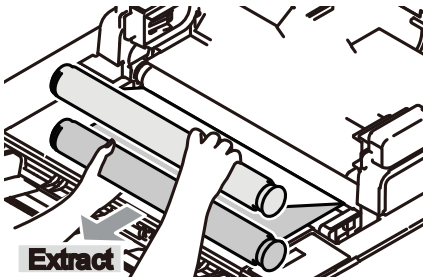
Indications	Description
	Displayed when the lamination process is completed successfully and the product is in a standby state.
	Displayed when the laminating film has run out. Replace the laminating film (top film/bottom film) (☞page 19, page20).
	Displayed when the product enters the power saving mode. If the product is not operated for more than 30 minutes, it shifts to the power saving mode.
	Displayed when the product has returned from the power saving mode and is warming up.
 ... 	When any problems occur in the product, an error code beginning with "E" appears. When an error code is displayed, refer to the next page.

6.2.1 When a Number Beginning with "E" Appears on the Display

When any problems occur in the product, an error code beginning with "E" appears. The indications and description are as shown below.

Indications	Error Name and Description	
	Area around the paper feed roller - A document is jammed inside. Open the top cover and remove the jammed document. - There are heated areas inside (☞ page 7). Take care to avoid being burned.	
	Area from the paper feed roller to the heat rollers A document is jammed inside. Take action as for error code "E01".	
	Area around the heat rollers - A document is jammed inside. Open the top cover and remove the jammed document. - There are heated areas inside (☞ page 7). Take care to avoid being burned.	
	Area around the output roller - A document is jammed inside. Remove the jammed document. - There are heated areas inside (☞ page 7). Take care to avoid being burned.	 After taking action, if any damage remains on the laminating film and affects the lamination process, reset the laminating film.
	Top cover open error The top cover is open. Close the top cover tightly.	
	Low temperature error The temperature sensor has detected an abnormal temperature (low temperature). The product may be malfunctioning. Contact the distributor where the product was purchased or Lami Corporation service representative and request a repair.	

(To next page)

Indications	Error Name and Description	
	High temperature error The temperature sensor has detected an abnormal temperature (high temperature). The product may be malfunctioning. Contact the distributor where the product was purchased or Lami Corporation service representative and request a repair.	
	Motor/Cutter error • A motor error or a cutter error was detected. A document may be jammed inside. Remove the top film and bottom film, clear a jam, and then reset the laminating film. • If the problem persists, the product may be malfunction. Contact the distributor where the product was purchased or Lami Corporation service representative and request a repair.	



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