MBM

Operation Manual

FoilGlazer II

REV.2

Thank you for purchasing our product.
Please read this manual carefully before using this product for proper and safe use.
Please keep this manual in a safe place.

Revised date: 19 June, 2024

Before use

Thank you for purchasing our product.
This manual describes important precautions to prevent accidents, and instructions to use this machine correctly. Failure to follow the precautions for the safe use of the electronic products may cause fire and fatal accident.
After reading this manual, please be sure to keep it at an appointed place with care for future reference.

Functions and Features

FoilGlazer II is a fully automatic single-side hot laminator and foil transfer machine. You can perform the single-side laminating and foil processes simply by setting the processed paper on the feeder and pressing the start button.

1. Single-side laminating process

Automatically detects the paper of sizes **11.7x8.25'' to 14.37''x 23.6''** and performs the single-side thermal laminating process.

2. Foil transfer process

Automatically detects the paper of sizes **5.8''x 8.25''** to **12.6''x 17.71''** and performs the thermal foil transfer process.

3. Automatic air-suction feed

This machine uses an air suction automatic feeder. The feed tray can accommodate approximately 400 sheets of 110gsm, and process them continuously and consistently.

4. Easy and quick operation

You can perform almost all operations on the color LCD touch panel. You can also perform feeding, single-side laminating/foil transferring, cutting, and discharging of the papers automatically, after setting the papers on the feeder and the film in place.

5. Low energy consumption

FoilGlazeer II works with single phase electricity (100-120 or 220-240V), comparatively low energy consumption for a thermal laminator (1000W). Thanks for its small footprint, it can be installed in a limited workspace.
When the product is left unused for a prolonged period, the power setting automatically changes to the eco-mode to save the power consumption.

Please refer to "5-6. Eco-mode" (on p.28) for details.

Warning Symbols

The following symbols indicated on the instructions of this manual and the machine describe operations that are prohibited or require attention. Please carefully read and follow the instructions whenever these symbols appear.

	General Cautions/Warnings Indicates any general cautions/warnings.
	Risk of Electric Shock Used to notify the possibility of electric shock under specific conditions.
	Risk of Trapped Hand Used to notify the possibility of failure caused by a hand caught in a rotating device. Keep body parts away from moving parts.
	Risk of Amputation Used to notify the possibility of disability such as fingers cut off with a sharp rotating device.
	High Temperature Used to notify the possibility of failure due to high temperature under specific conditions.
	General Prohibition Indicates any general prohibition.
	Forcibly pull out the power supply plug from the power outlet Pull out the power supply plug from the power outlet in case of failure and when there is a possibility of other dangerous conditions.
	Alternating current This mark represents alternating current.

Warning Label for Safety

The following two levels of warning are used on this machine to indicate the degrees of danger on each part.

 **WARNING** ・・・ Indicates that improper handling of this machine may result in death or serious injury to the user.

CAUTION ・・・ Indicates that improper handling of this machine may either result in serious injury to the user or only the material damage.

Warnings (Installation location)

Do not install this machine in the locations listed below.
When you install this machine, be sure to avoid these locations as these places have safety issues that may cause fire, electric shock, and falling, and also may result in malfunctions.

- Locations under direct sunlight
  Locations near air outlet of the cooler
- Locations with extremely high temperature
  (Near heat generating devices and open flames)
- Locations with extremely low temperature
- Locations with weak floor
  Locations with uneven surface
  Locations subject to vibration
- Locations with extremely high or low humidity
- Dusty locations
- Where children are likely to exist

Warning (Power/Ground)

1. Use under proper source voltage
   This machine operates on 100 to 120 VAC or 220 to 240 VAC power sources. (varies depending on the destination).
   If you change the voltage, it may cause electric shock, fire, and failure. Prepare a dedicated power outlet for safe use.
   Also, only use the specified power supply cord set supplied with this equipment.
   * The power supply plug of this machine is a 3-pin power supply plug.

2. Make sure that there is sufficient capacity
   Make sure the outlet to be connected has sufficient capacity (amperage). When there is not enough capacity, it may cause malfunction or fire.
   Do not use multi-outlet extension cord.

3. Connect to the ground wire
   Make sure to connect to the ground wire to prevent possible hazards and the troubles such as malfunction, electric shock, power supply noise, and static electricity.

4. Handle power cable with care
   Do not place heavy objects nor pinch, pull, or place the cable near a heat generating devices.
   A damaged power cable may cause electric shock, fire, and failure.
   Also, do not perform any fabrication or modification of the cables and plugs.

Warnings (General cautions)

Be sure to comply with the following cautions for safe operation and maintenance of this machine.

1. Work clothes

Please wear clothes appropriate for the operation of this machine.
· Avoid wearing neckties, necklaces, and other dangling accessories.
· Avoid wearing loose clothes.
In case your clothing gets caught in the machine, immediately turn the power switch OFF (○). Or, pull out the power supply plug.

· Make sure your hair does not get caught in the machine.

2. When operating this machine

· Make sure you close the cover when you operate this machine.
· Ventilate frequently if you are operating in a confined room.
· Prevent the machine from getting wet and do not operate with wet hands.
· Do not leave the machine unattended during operation.

3. In case an error occurs on the machine

· If any malfunction or unsafe condition occurs, immediately turn the power switch OFF (○), pull out the power supply plug, and contact the maintenance service provider or supplier. Do not attempt to disassemble, modify, or repair the machine yourself.
· The service and maintenance should always be performed by a certified service personnel, following the required precautions.

4. Others

Do not do any of the following as these may damage the machine, cause death, serious injury, electric shock, or fire.
· Do not use this machine for any other than the intended purpose.
· Do not place heavy objects or apply any shock to the machine.
· Be sure to pull out the power supply plug when moving the machine.
· Note that the processed material is heated.
· Note that the processing of hazardous materials and the erroneous operation may cause smoke.
· Make sure not to drop clips, staples, and other metal objects inside the machine.
· Never remove the fixed covers and safety switches.
· Never modify this machine.
· Never remove the warning labels attached to the machine.
· Usage of our film dedicated for FoilGlazer II is preferred.
· Lastly, do not perform anything not written on this "Operation Manual."

Cautions (Papers that cannot be laminated/foil processed)

Do not laminate/foil process the papers listed below.

- Valuable papers and bills
- Papers with metal parts such as staples
- Papers that are combustible and vulnerable to heat (vinyl chloride, polyethylene, etc.)
- The only existing important paper
- Papers with thickness of 400μm or more, including the film
- Papers that get discolored or deteriorated due to heat, such as thermal papers and papers with drawings with crayons.
- Water-soaked papers
- Something other than papers
- Papers with uneven surfaces, such as curves and wrinkles

Cautions (Maintenance)

Be sure to pull out the power supply plug when cleaning the machine. Also, turn the power switch OFF (○) before cleaning and wait for a while, as the temperature inside the machine may be extremely high.

Wipe the dirt with a soft cloth.
To remove tough dirt, wipe with a cloth dampened with a small amount of water or mild detergent.
If you have used mild detergents, you will need to wipe again with a soft cloth dampened with water only.

Cautions (Remaining amount of film)

This machine has a function to notify the end of the film (refer to the lamination error in "Troubleshooting").
Please keep in mind of the remaining amount of the film when you are laminating a large amount of papers.
We recommend you prepare extra paper.
We also recommend you to frequently check the remaining amount of the film.

Contents

Before Using for First Time

Methods that Require Film Change

General Procedures

1. Supplied Items

Before using this machine, please check that the following items are included.
In case of any missing items, please contact your supplier.

<Standard items>

- □ Main unit
- □ Feeder tray
- □ Extension tray
- □ Rear feeder tray paper guide
- □ Stacker
- □ Stacker guide
- □ Film guide shaft x 4
- □ Film mount shaft (1- and 3-inch paper tube boss left/right x 1 each)
- □ Hexagonal wrench for fixing film shaft paper tube boss
- □ Guide for glazing x 2
- □ Foil rewinding shaft
- □ Power cable
- □ Stand for FoilGlazer II
- □ Operation Manual
- □ Rewinding reel core for glazing x 1

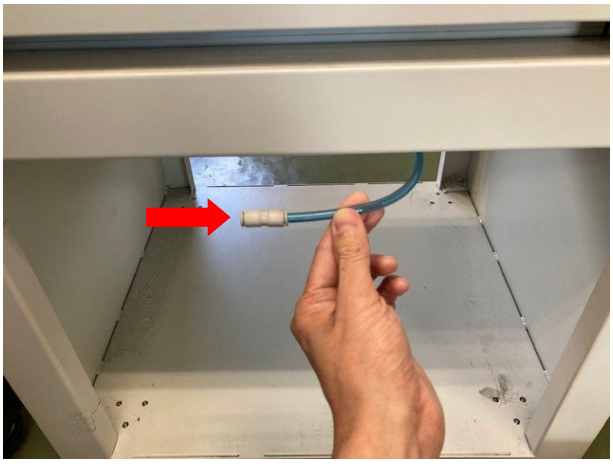
<Air source>

This device is an equipment that requires air source.
Prepare an air source, such as an air compressor or a factory air.

・Compressor specifications

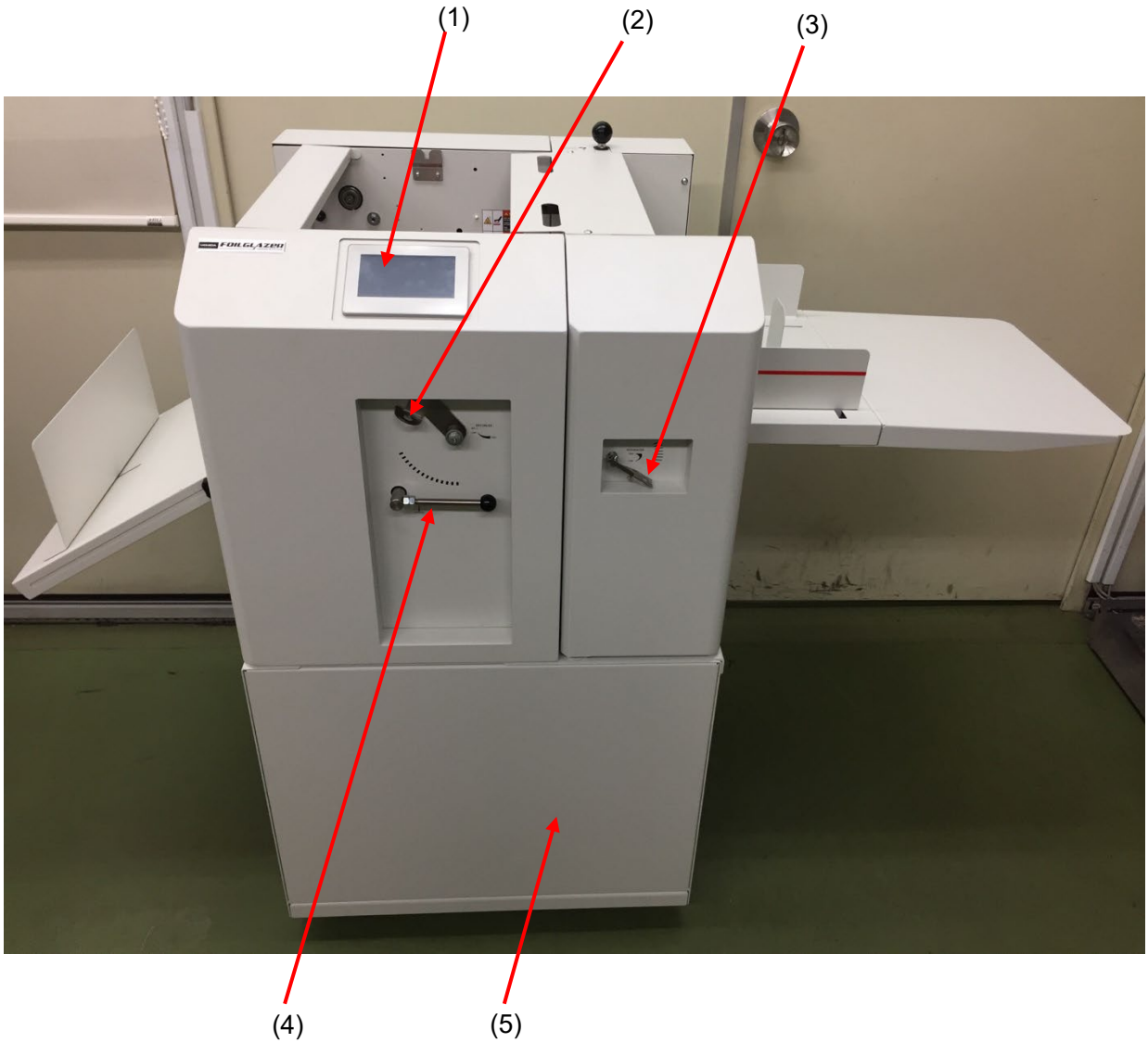
Discharge amount: approx. 1.2 gallons/min or more, tank capacity: approx. 1.2 gallons, AC power supply type (a separate power source)
tube diameter: 0.25”φ, minimum pressure: 7.25PSI or more

・Tube connection



2. Parts and Functions

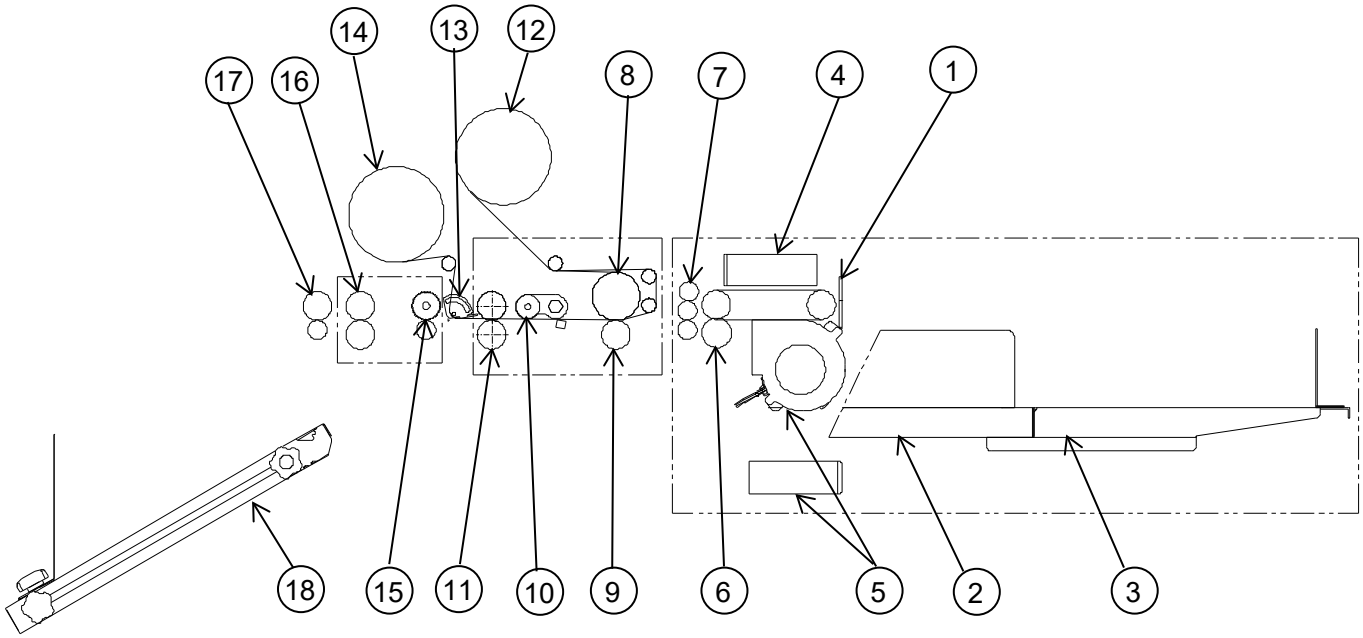
2-1. External Appearance



(1)	Color LCD touch panel	(2)	Decurling adjustment lever
(3)	Separating pressure adjustment lever	(4)	Pull roll lever
(5)	Stand for FoilGlazer II		

2. Parts and Functions

2-2. Internal Parts of Main Unit



1	Pick sensor	A sensor to determine the height to pick the paper
2	Feeder tray	A tray to place the paper
3	Extension tray	A tray to process papers of size Legal or larger
4	Pick fan	An absorption fan to pick the paper
5	Middle fan	A fan to separate the papers from front
	Side fan	A fan to separate the papers from the sides
6	Separating roller	A sponge roller for separating the papers
7	Dust removing roller	A roller to remove dust from the paper
8	Heater roller	A roller that generates heat
9	Special coated rubber roller	A bottom-side roller of the heater roller
10	Decurling bar	A bar to correct the curl after lamination
11	Pull roller	A roller to feed the paper
12	Film mount shaft	A shaft to set the film
13	Peel bar	A bar to remove the paper from the foil
14	Foil rewinding shaft	A shaft to rewind the used foil
15	Edge cutting unit	An auxiliary tool for cutting the paper during lamination
16	Separation roller	A roller to cut the paper
17	Oblique roller	An auxiliary roller to cut the paper
18	Stacker	A tray to stack the paper

2. Parts and Functions

2-3. Operation Panel

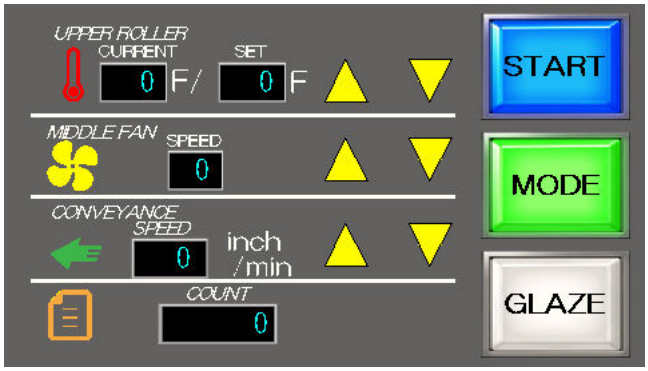
Almost all operations are performed using the color LCD touch panel. The screens are described in this section.

2-3-1. Startup screen

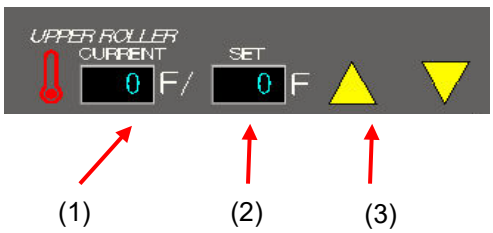
This screen appears when you turn on the power. The actual program version in the form of "Axx.x" will be displayed where "Ver." appears in the figure (marked with square).

2-3-2. Standard screen

This screen appears when you turn on the device.



●Temperature setting display



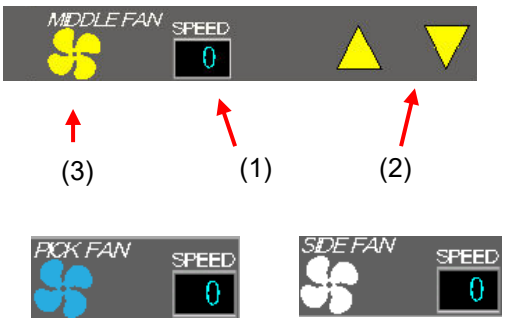
(1). Current temperature
Displays the current temperature of the heat roller.

(2). Preset temperature
Displays the preset temperature.

(3). Temperature setting button
Pressing "▲" raises the temperature to be set by 9°F.
Pressing "▼" lowers the temperature to be set by 9°F.
The preset temperature may be set from 176°F to 320°F by 9°F increments.
If "32°F " is displayed, the heater may not be necessary.

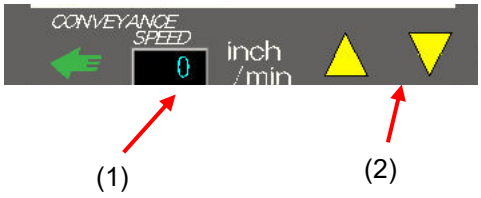
2. Parts and Functions

●Fan air flow display



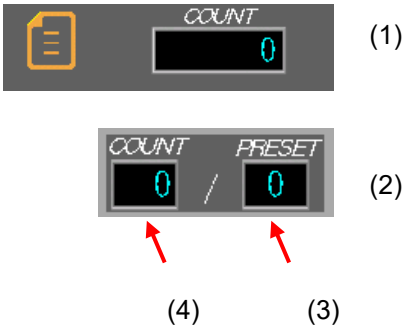
(1). Air flow
Displays the air flow of the fan. Indicates 0 to 10.
(2). Air flow setting button
Set in a range from 0 to 10.
(3). Change FAN button
Each time you touch the fan icon, the color changes to indicate the air flow for the "PICK," "MIDDLE," and "SIDE" fans, and you can set them independently.

● Processing speed



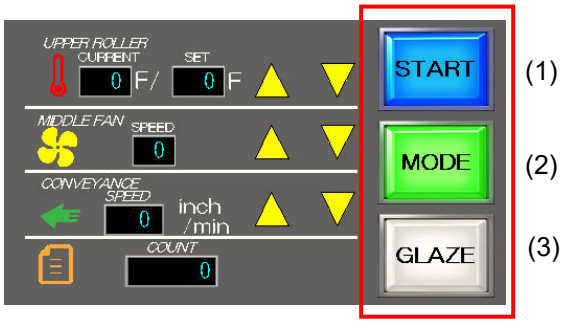
(1). Processing speed
Displays the processing speed.
(2). Processing speed setting button
You can set the speed.
- LAMI mode: 39 to 197 inch/min
- GLAZE mode: 39 to 118 inch/min

● Counter display



(1). Standard counter
Displays the processed counter.
Touch the icon part to reset.
(Max: 9,999,999)
(2). Preset counter
Processes only the specified amount. When you set "0," the process will continue until you stop.
When you set "1 to 200," the preset amount will be displayed on (3) and the processed count will be displayed on (4).

● Buttons



(1). Process buttons
The process starts when you touch the "START" button. (4) will be displayed. The process stops when you touch the "STOP" button. (1) or (5) will be displayed. When "NOT READY" is displayed, it shows that the temperature has not reached the preset temperature, and therefore the process cannot be executed.

(4)


(5)

(2). MODE button
You can make various settings (refer to 2-3-3).

(3). Change Lami/Glaze button
Touch this button to switch between the LAMI mode and GLAZE mode.
Select LAMI mode (6) to laminate and select GLAZE mode (3) to glaze.

(6)

2. Parts and Functions

2-3-3. Mode screen

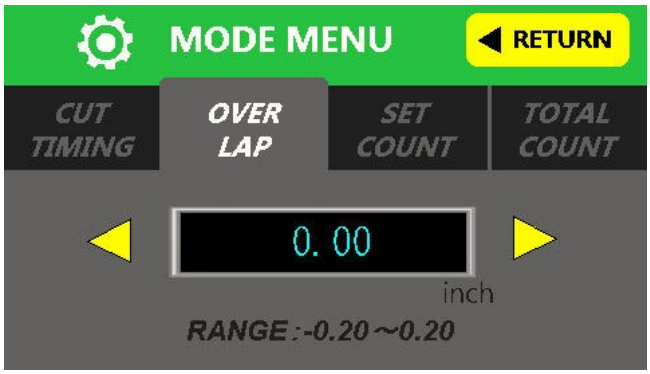
The following screen appears when you press the "MODE" button on the standard screen.
Touch the tabs on the screen to switch to the following mode screens. The screen returns to the standard display when you press the "RETURN" button or when it is not operated for 10 seconds.

(1). CUT TIMING

This is a mode to adjust the timing to cut (or, to run on the separation roller) during the lamination processing.
Touch "◀" button to display in negative direction. The timing of the cutting speeds up.
Touch "▶" button to display in positive direction. The timing of the cutting slows down.
Use this mode to make adjustment as the cutting ability decreases depending on the thickness, size, speed, or type of the paper.
You can adjust the cut timing setting during the operation.

(2). OVERLAP

This is a mode to adjust the overlap (the overlapping amount of the papers) during the lamination processing.
Touch "◀" button to display in negative direction. The overlapping amount decreases.
Touch "▶" button to display in positive direction. The overlapping amount increases.
Use this mode to make adjustment as the cutting ability decreases depending on the thickness, size, speed, or type of the paper.
You can adjust the overlap setting during the operation.
As a reference, 1 scale = approx. 0.04inch, but please note that there may be some variations.



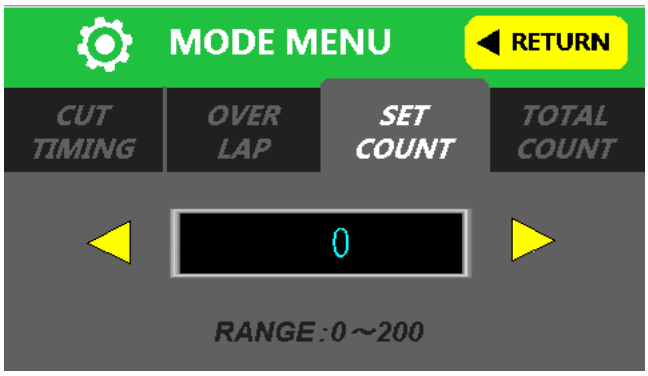
2. Parts and Functions

(3). SET COUNT

This is a mode to process the number of papers set by the user. Use this mode if you have already decided on the number of papers to process.

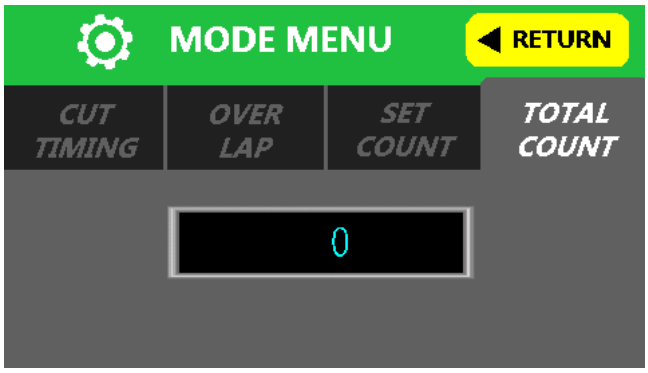
Touch "◀" button to display in negative direction. When it reaches 0, it moves to 200.

Touch "▶" button to display in positive direction. When it reaches 200, it returns to 0.



(4). TOTAL COUNT

Counts the amount processed at the specified point. Use this to determine the time to perform the maintenance of this device or to replace the consumables.



2-3-4. Other buttons

(1). Manual feed switch (JOG/REV)

Set the switch toward the device to feed paper (JOG). In LAMI mode, the operation stops when the lamination inlet sensor is projecting light. When you set the switch in the opposite direction, the paper will also move in the opposite direction. However, this operation will only move continuously for 1 second. This is to avoid the jamming to be caused by the operator.

(2). Manual table switch (UP/DOWN)

Set the switch upward to raise the table, and downward to lower the table. Use this switch to set the papers.

⚠ Warning: Please pay special attention as this switch is operational regardless of the status of the device.

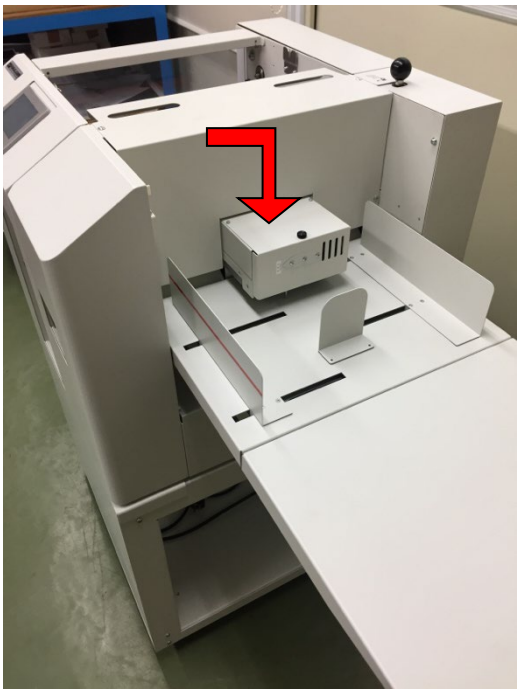
3. Product Installation

3-1. Installing the Product

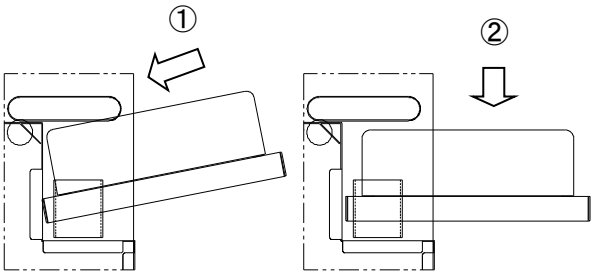
To smoothly perform the operations on this machine and other operations such as film replacement, secure enough space (more than 7.88inch) around this machine upon installation.

* For installation environment, please read "Warnings (Installation location)"/"Warning (Power/Ground)" carefully to install this machine correctly.
* Please contact the supplier or maintenance service provider of this machine.

3-2. Setting the Feeder Table



Push down the lower part of the feeder table as shown in the figure to the left, and set as shown in the following illustration.

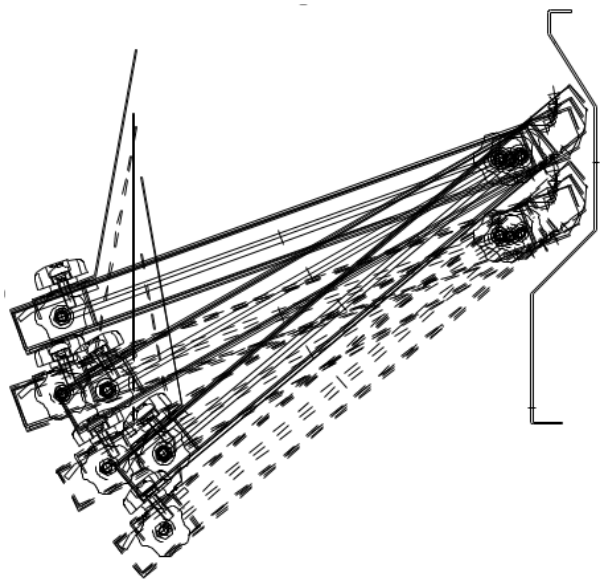


* Set the extension tray when using papers of size Legal or larger.

3. Product Installation

3-3. Setting the Stacker

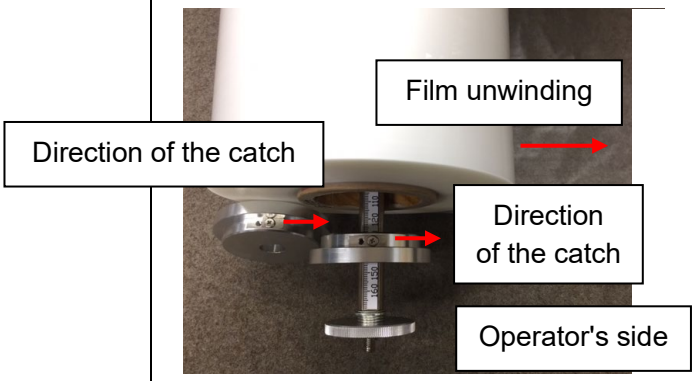
Firmly insert the tip of the stacker into the stacker attachment on the board at the machine side.
Adjust the length of the stacker to the size of the paper to be processed.
You can also adjust the installation height (two levels) and the angles (three levels each) to meet the corresponding capacity and size.



3-4. Setting the Power Cable

Firmly insert the power cable into the power socket at the bottom rear side of the main unit.

4. Setting the Film



1. Set the film you prepared on to the film shaft of the device. Firmly tighten the fixed color with the knob. If it comes loose, insert a tool into the hole of the knob and tighten the knob firmly. At this point, turn the power on and warm up the heat roller.

⚠**Caution** Make sure the film winding direction is correct.

⚠**Caution** Make sure you set the catch of the color to be fixed to the film in the correct direction.
(The direction of the catch should be same as the left figure.)

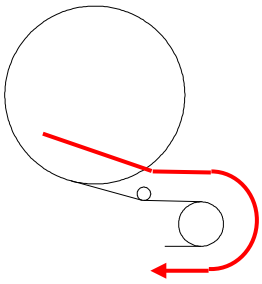
2. After setting the film on the film shaft, set the film to the film bearing of the device.

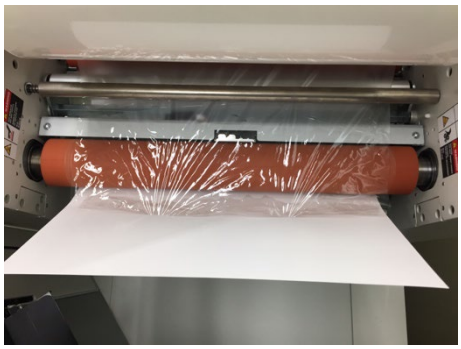
⚠ **Caution** Confirm that the shaft is firmly and completely set in the groove. If it is not fully set, the film may fall out.

3. Insert the paper into the device as shown on the left figure. Open the pull roll lever at this point. Also, move the decurling bar back to its horizontal position.

⚠**Caution** Please note that if you set the film without moving the decurling bar back to its horizontal position, it may cause jam or affect the quality of lamination.

4. Pull out the film end for about 12inch, and set it on the heat roller as shown on the left figure.





5. Confirm that the heat roller is well heated (212°F or more), and adhere the paper to the film as shown on the left figure. It is easy to adhere when the film turns transparent with heat.

4. Setting the Film

6. Using the manual feed switch to remove wrinkles from the film by transferring the paper. It will need about two sheets of ARCH B paper(12'' x 18'') to remove the wrinkles. Feed the paper to the position shown on the left figure using the manual feed switch. At this point, operate the manual switch, confirming whether the film and paper is firmly adhered or if the film is extending beyond the paper.

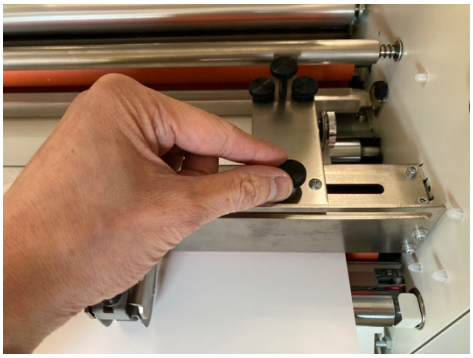
⚠**Caution** Note when the film is extending beyond the paper, its glued surface may adhere to the roller, causing the jamming and damage.

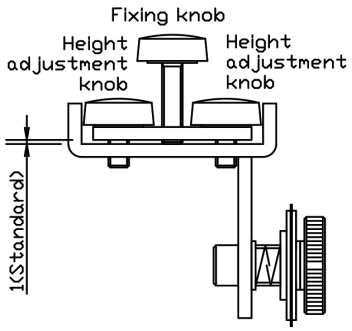
7. Close the feeder unit, lower the separating pressure adjustment lever to open, and insert the paper to the device by hand until it lightly hits the end.

⚠**Caution** Confirm that the paper is set from the opening of the feeder's upper surface cover to the heat roller (as shown on the left figure).

8. Adjust the separating pressure adjustment lever to the most optimal part of the paper thickness, move the manual feed switch to the FWD side, and feed the paper until the device stops.

9. When it stops, move the manual feed switch slightly to the REV side to send back the paper so that the part pointed with an arrow on the left figure is covered with paper.





10. Then, loosen the latch and move the edge cutting unit as shown on the left figure. At this point, you will see a laminated paper at the bottom. Make sure you set the unit about 0.2inch inward from the edge of the film. Then, firmly tighten and fix the latch.

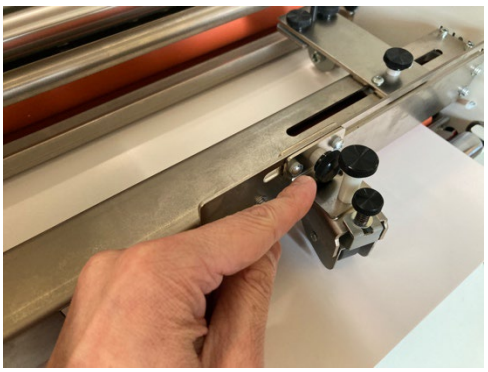
⚠**Caution** Pay special attention to set the edge cutting unit as cutting is not possible without firmly setting this unit.

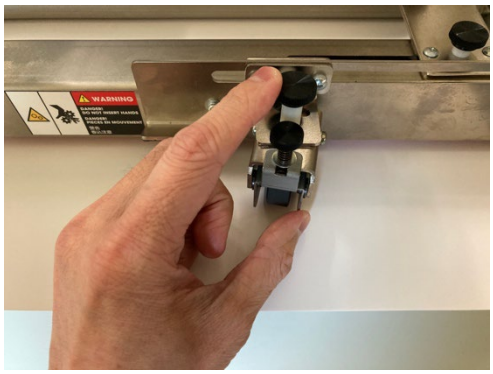
Adjust the pressure of the perforation blade by adjusting the 3 knobs.

Adjust the pressure when the perforation is weak.

Loosen the fixing knob and turn the left and right height adjustment screws counterclockwise to lower the perforation blade and increase the pressure. In this state, fix the fixing knob firmly. After adjustment, check how the perforation blade enters the machine with a piece of paper. If the pressure is too strong, it may cause damage to the perforation blade.

4. Setting the Film





11. Set the oblique roller as shown on the left figure. The oblique roller has two latches: One to move to the lateral direction and the other to change the angle of the roller. Set the paper so that it is pulled toward a slightly oblique direction (or for thin papers, in a position where the paper is slightly loose just before the separation roller), as the position and the angle to the lateral direction may change depending on the thickness or size of the paper.

The spring-loaded knob allows you to change the roller pressure of the oblique roller.

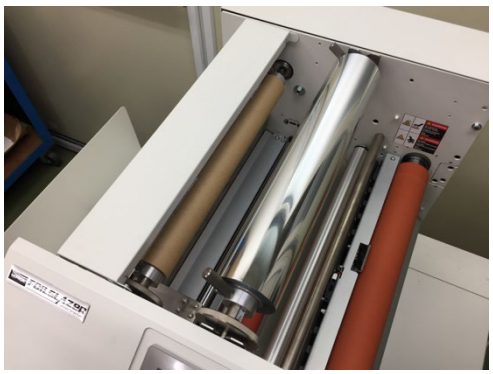
Stronger: Paper is more likely to be skewed.
Paper is easily damaged.
Weak: Paper is less likely to be skewed.
Less damage to the paper.

12. Adjust the decurling bar to the optimal position depending on the thickness of the paper.

Horizontal direction: Thick paper
Vertical direction: Thin paper

13. Finally, finish setting the film by lowering the pull roll lever.

5. Setting the Foil



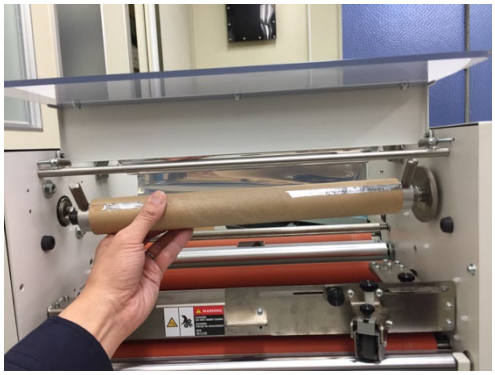
1. Set the foil you prepared on to the film shaft of the device. Firmly tighten the fixed color with a tool (supplied hexagonal wrench).

⚠**Caution** Make sure the foil winding direction is correct.

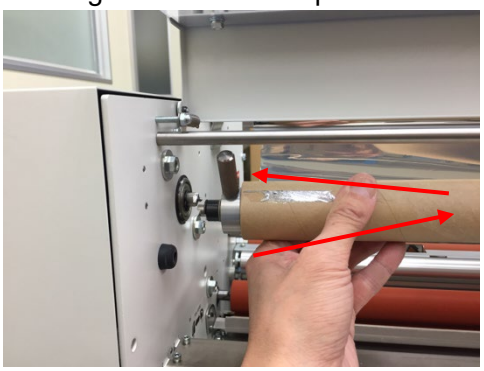
⚠**Caution** Make sure you set the catch of the color to be fixed to the foil in the correct direction.
(Set the catch in a direction opposite from the foil winding direction.)

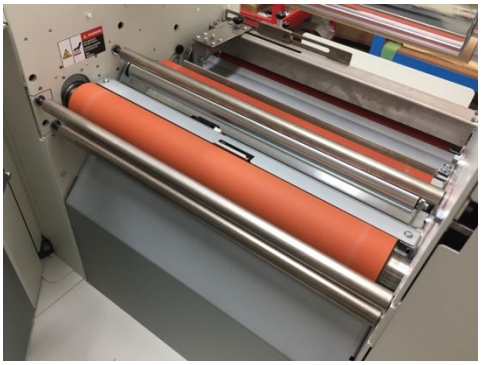
2. After setting the film on the film shaft, set the film to the film bearing of the device.

⚠ **Caution** Confirm that the shaft is firmly and completely set in the groove. If it is not fully set, the film may fall out.

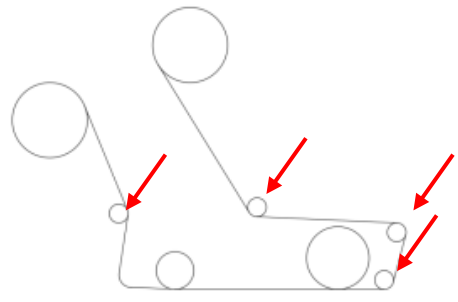


3. Set the paper tube for winding to the foil winding shaft as shown on the left figure. The setting is correct if it looks like the figure below at this point.

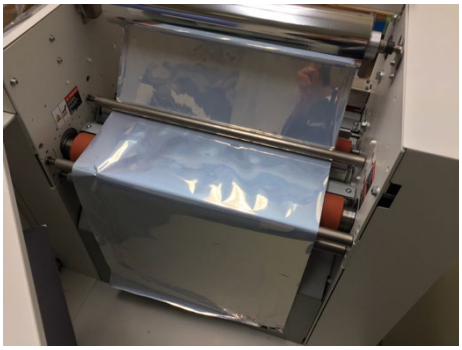




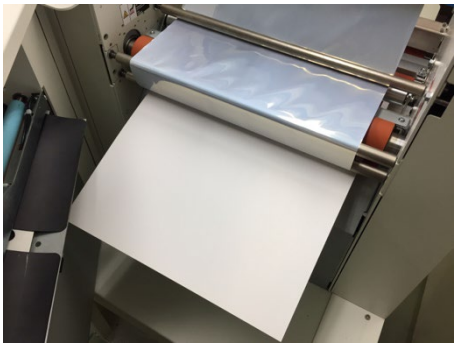
4. Set the guide dedicated for the foil as shown on the left figure. The setting is correct if it is set like the picture below.



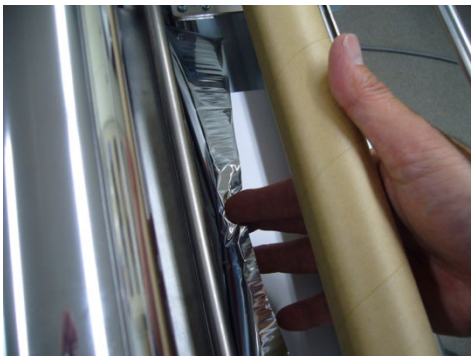
5. Setting the Foil



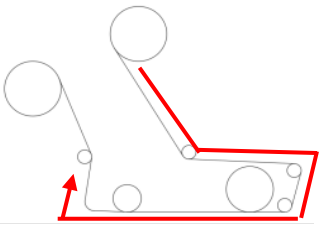
5. Pull out the foil end for about 40inch, and set it as shown on the left figure. Make sure that the black sheet guide of the feeder section is as shown in the figure below. *There is a possibility that the foil will be scratched.

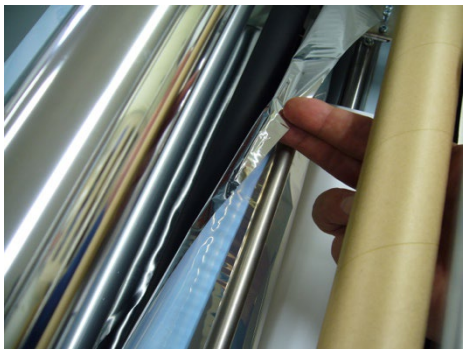


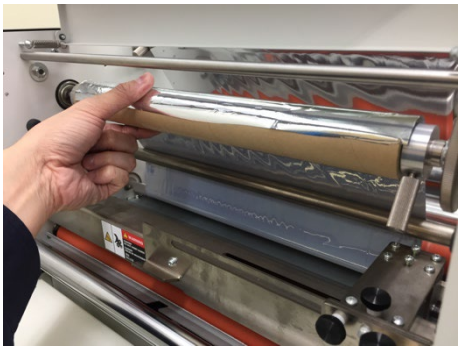
6. Insert a slightly thick paper into the device, pressing the foil as shown on the left figure. Set the pull roll lever upward at this point.
7. Press the paper and foil so that the inserted paper and foil would come out from the back side of the pull roller. If you can catch the foil as shown on the left figure, pull out the edge of the foil. Then, remove the paper as it will not be necessary.



7. Press the paper and foil so that the inserted paper and foil would come out from the back side of the pull roller. If you can catch the foil as shown on the left figure, pull out the edge of the foil. Then, remove the paper as it will not be necessary.







8. Pull the edge through the guide roller as shown on the left figure, then use a tape to fix it on the paper tube for winding.
Using the manual feed switch, roll the foil once around the paper tube for winding, and check to see if the foil is not loosened or wrinkled on the feed. If there are wrinkles, feed the foil manually until the wrinkles are removed.
Attach the guides for glazing.

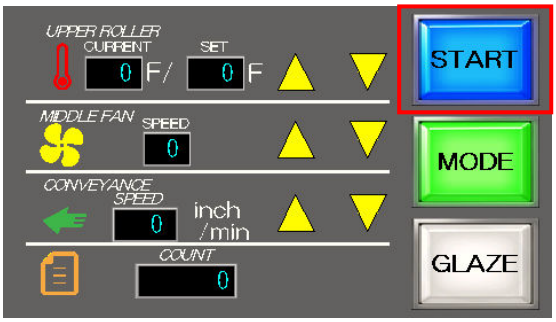
6. Operational Procedures

6-1. Turning the Machine on and Starting Warm-up

Insert the power supply plug to the power outlet.

Turn the power switch above the power socket ON (I).

After a beep sound, the initial screen will appear on the LCD for three seconds.



The standard screen appears next, and the icon outlined in red will be displayed "NOT READY." This will be displayed when the target temperature is not achieved. When the target temperature is achieved, the display will change to "START" as shown on the left figure.
(Refer to "2-3. Operation Panel" for the details of screens.)

6. Operational Procedures

●Setting reference value for LAMINATING

Paper weight	Setting temperature [˚F]	Setting speed [inch/min]	Pick fan	Middle fan	Side fan	Separating pressure [From top]	Decurler [From bottom]
Thick	230	39-78	10	10	5	2	Low
Mid	230	78-118	10	10	3	1	7
Thin	230	118-157	10	10	1	1	4

●Setting reference value for GLAZING

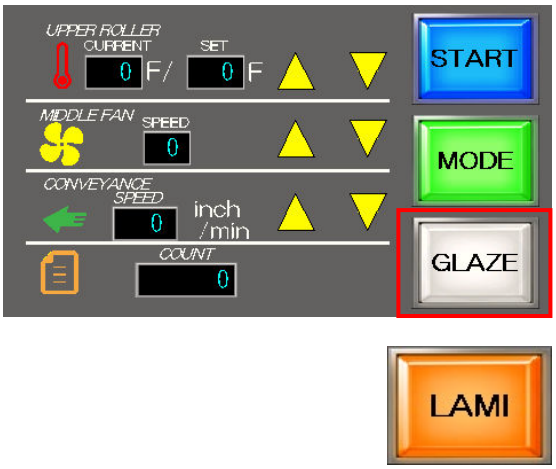
Paper weight	Setting temperature [˚F]	Setting speed [inch/min]	Pick fan	Middle fan	Side fan	Separating pressure [From top]	Decurler [From bottom]	Foil guide
Thick	302-320	39-78	10	10	5	2	Low	 OFF
Mid	284-302	78-118	10	10	3	1	Low	 OFF
Thin	284-302	78-118	10	10	1	1	Low	 ON

Noted: It depends on paper quality and usage environment.
Noted: The lever for separating pressure should be returned to the lowest free position at the end of processing.
The sponge of separator roll may be deformed and a pick error may occur at the start of the next process.

6. Operational Procedures

6-2. Setting

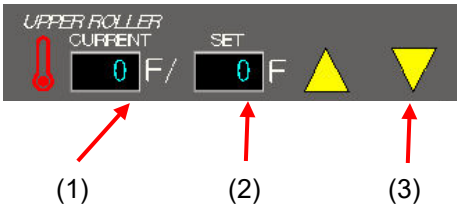
6-2-1. Setting the process



Press the icon outlined in red on the left figure to switch the display to "GLAZE" or "LAMI."
"GLAZE": GLAZE mode
"LAMI": LAMI (laminate) mode
The target temperature and speed will change to that of previous processing.

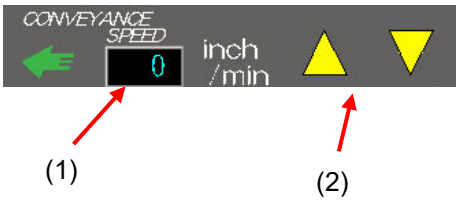
⚠**Caution** Reset the counter when necessary, since it will not change.

6-2-2. Setting the temperature



(1). Current temperature
Displays the current temperature of the heat roller.
(2). Preset temperature
Displays the preset temperature.
(3). Temperature setting button
Pressing "▲" raises the temperature by 9°F.
Pressing "▼" lowers the temperature by 9°F.
The preset temperature may be set from 176 to 320°F by 9°F increments. If "32°F " is displayed, the heater may not be necessary.

6-2-3. Setting the speed

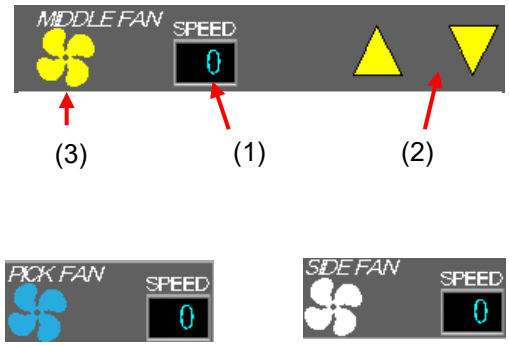


(1). Processing speed
Displays the processing speed.
(2). Processing speed setting button
You can set the speed.
LAMI mode: 39 to 197 inch/min
GLAZE mode: 39 to 118 inch/min

⚠**Caution** You need to change the speed according to the thickness and size of the paper at the time of processing and, also depending on the environment. The work may not be executed correctly if the process is not performed with proper speed.

6. Operational Procedures

6-2-4. Setting the fan



(1). Air flow
Displays the air flow of the fan. Indicates 0 to 10.
(2). Air flow setting button
Set in a range from 0 to 10.
(3). Change FAN button
Each time you touch the fan icon, the color changes to indicate the air flow for the "PICK," "MIDDLE," and "SIDE" fans, and you can set them independently.

⚠**Caution** You need to change the air flow of the fan according to the thickness and size of the paper at the time of processing, and also depending on the environment. The work may not be executed correctly if the process is not performed with proper speed.

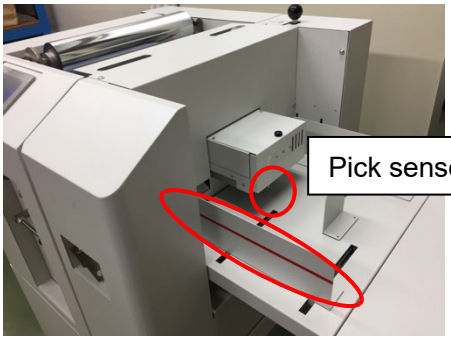
6-2-5. Setting the mode

Please refer to 2-3-3 for details.

6. Operational Procedures

6-3. Setting the Paper

Lower the table using the manual table switch, so that you can place papers.



Set the papers and adjust the feeder tray paper guide to the width of the papers. Make sure the papers are inserted until it stops and that the rear end of the papers is aligned. Then, after confirming the papers are correctly installed, set the paper fixing guide to the rear end of the papers.

⚠Caution: Keep in mind of the pick sensor when setting the papers. It may cause damage.

⚠Caution: The paper stack height should be below the red line.

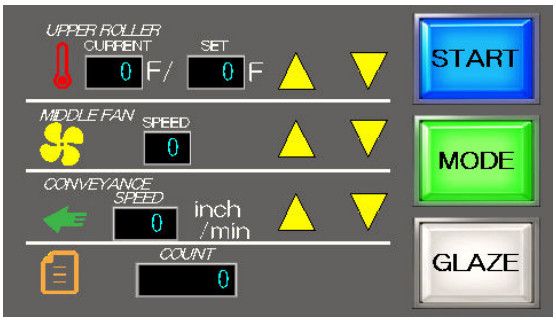
Adjust the stacker to the length of the papers. Also, adjust the angles as it may be adjusted according to the processing amount and thickness of the papers.

6. Operational Procedures

6-4. Starting the Laminating Process

Caution

· Make sure the pull roll lever is **lowered**.



Check the following items for the device.

Processing mode: LAMI
Preset temperature
Fan air flow
Processing speed
Separating pressure adjustment lever
Decurling bar
Edge cutting unit
Oblique roller
Paper set status (all sensors are shaded)

The laminating process starts when you press the START button.

The laminating process stops when you press the STOP button during the laminating process.

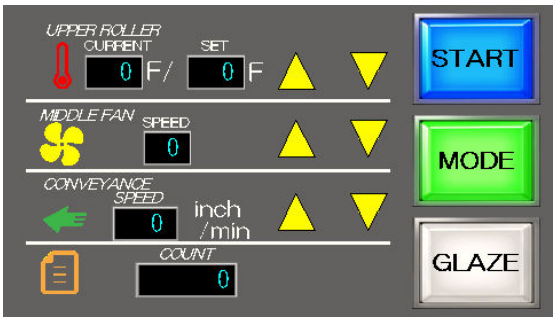
* The laminating process will continue to operate until the paper reaches the stop position.

6. Operational Procedures

6-5. Starting the Glazing Process

Caution

· Make sure the pull roll lever is **raised**.



Check the following items for the device.

Processing mode: GLAZE
Preset temperature
Fan air flow
Processing speed
Separating pressure adjustment lever
Decurling bar: Flat
Perforation blade unit: If do not use (set to the edge).
Oblique roller: if do not use (set to the edge).
Paper set status: No paper on the tray
The glazing process starts when you press the START button.

The glazing process stops when you press the STOP button during the glazing process.

* The glazing process stops after all the papers are discharged.

6. Operational Procedures

6-6. Eco-mode

The machine will switch to the eco-mode if laminating/glazing is not processed or no button is pressed on the operation panel for more than 30 minutes.

The machine will be turned off if laminating/glazing is not processed or no button is pressed on the operation panel for more than 60 minutes.

Press any button on the operation panel to cancel eco-mode.

6-7. Finishing

1. Finish the laminating/glazing process.
2. Raise the pull roll lever to prevent the heat roller from deforming.
3. Turn the power switch OFF (○), and pull out the power supply plug.
4. Check that the touch panel display is turned off.

7. Troubleshooting

The following screen appears when an error occurs. Follow the instructions on the screen to deal with errors.

Display of the error that has occurred

Displayed error	Points to be checked	Measures	Reference page
●DISCHARGE ERROR	Check if the paper is jammed at the discharge part.	Open the cover of the discharge part. Remove the paper that might have caused the error. Then, press RESET. Caution · Make sure your hand or clothing does not get caught in the roll.	9
	Check if the paper is jammed at the operator side of the discharge part and unable to be discharged.	Open the cover of the discharge part. Remove the paper that might have caused the error. Then, press RESET. Caution · Make sure your hand or clothing does not get caught in the roll.	9
●FEED COVER OPEN	Check if the feeder unit is fully closed.	Check if the feeder unit is firmly closed and press RESET.	8, 9

7. Troubleshooting

Displayed error	Points to be checked	Measures	Reference page
●LIFT ERROR	Check if the same error occurs repeatedly after trying for a several times.	If the same error occurs repeatedly, then the sensor may be damaged. Contact the maintenance service provider.	24
●DOUBLE FEED ERROR (OPTION)	Check if more than one paper is fed at once.	Set the proper thickness of the paper using the separating pressure adjustment lever or air pressure of fan. Then, press RESET.	17
●MAIN MOTOR ERROR	Check if the motor is being overloaded with the paper jam, etc.	Remove any cause of this error. Since this is an error that cannot be cleared, turn the power OFF, and then restart the machine.	
●PAPER OVERLAP	Check if the paper is fed properly.	The paper might have slipped. Clean the separating roller or the feed roller. Also, the separating pressure adjustment might be inappropriate. Adjust with the separating pressure adjustment lever and press RESET.	9
●OVER HEAT ERROR	Check if the thermistor sensor is set in a proper position.	Check the condition of the thermistor sensor. Since this is an error that cannot be cleared, turn the power OFF, and then restart the machine. If this error occurs frequently, contact the maintenance service provider or supplier.  Be careful with the hot sensor.	

●THERMO BREAK		Turn the power OFF (○). Contact the maintenance service provider or supplier. Caution · Do not disassemble.	

7. Troubleshooting

Displayed error	Points to be checked	Measures	Reference page
● THERMO SHORT		Turn the power OFF (○). Contact the maintenance service provider or supplier. Caution · Do not disassemble.	
●HEAT ERROR	Check if the heat roller is hot.	Heater is turned ON for 15 minutes or more. Turn the power OFF (○). Contact the maintenance service provider or supplier. Caution · Do not disassemble.	
●FILM END	Check if there are any film/foil left.	Replace the film/foil and perform the setting again.	16, 20
	Check if the film guide is correctly installed.	Set the film guide to the proper position again.	
●PANEL COM ERROR		Unable to communicate with the touch panel for some reason. If this error occurs frequently, contact the maintenance service provider or supplier.	
●CUT ERROR	Check if the edge cutting unit is correctly inserted.	Set the edge cutting unit to the correct position and press RESET.	17
	Check if the cut timing is correct.	Adjust the cut timing so that the separation roller is turned ON immediately after the edge cutting unit.	12
●TEMP POSITION ERROR	Check if the thermistor sensor is set in a proper position.	This is an error caused by sudden change in thermistor value. Check the problem.	

●FEED MOTOR ALARM		An alarm signal is generated from the feed motor. This is caused by some load applied to the motor. If this error occurs frequently, contact the maintenance service provider or supplier. Caution · Do not disassemble.	

7. Troubleshooting

Displayed error	Points to be checked	Measures	Reference page
●PAPER SET ERROR	For LAMI mode, check if the paper is connected from the lamination inlet sensor to the discharge part.	Check again to see if the paper is set, and press RESET.	16 to 18
	For GLAZE mode, check if there is no paper in the device.		19, 20
●PULL ROLLER OPEN	For LAMI mode, check if the pull roller is lowered.	Lower the pull roll and press RESET.	
	For GLAZE mode, check if the pull roller is raised.	Raise the pull roll and press RESET.	
●PICK ERROR	Check if the paper is fed to the device.	Remove the paper, adjust the separating pressure adjustment lever or air pressure of fan, and press RESET.	8, 17
●FEED ERROR	Check if the paper is fed to the device.	Remove the paper, adjust the separating pressure adjustment lever, and press RESET.	8, 17
●LIFT OVER LOADING	Check if you have loaded papers of 50mm or more.	Set the amount of paper less than the line indicated on the paper guide of the feeder, and press RESET.	15, 24

●BACK COVER OPEN	Check if the discharge cover is open.	Close the cover and press RESET.	-
●CONVEYER ERROR	Check if the edge cutting unit is correctly positioned.	Set the edge cutting unit to the correct position and press RESET.	17
	Check if the cutting is not performed with the edge cutting unit in correct position.	If this error occurs frequently, contact the maintenance service provider or supplier.	

Displayed error	Points to be checked	Measures	Reference page
Adhesion is weak at laminating.		Lower setting speed.	23
The laminate film shrinks bigger.	Is the set temperature high?	Lower setting temperature.	23
Wrinkle occur at glazing.		Increase film tension.	-
Foil does not fixing at glazing. (Toner peeling)		Lower film tension.	-
		Lower setting temperature.	23
The paper was waving at glazing.		Lower setting temperature.	23
Adhesion is weak at glazing.		Increase setting temperature.	23

8. Machine Specifications

Specifications	Foilglazer II
Feed mechanism	Upper belt air suction feeding
Stacking capacity	2 inch
Empty feed detection	Equipped
Overlapping	Equipped (adjustable)
Double feed error detection	Detected by length of paper and ultrasonic sensor
Dust remover roller	○
Blower	Center & Both sides
Processing speed	Laminating: up to 197 inch/min Foilglazing: up to 118 inch/min
Paper quality	Coated paper, Art paper, Fine quality paper etc.
Paper size	Laminating: 11.7(W) x 8.25(L) inch - 14.37(W) x 23.6(L) inch Foilglazing: 5.8(W) x 8.25(L) inch - 12.6(W) x 17.71(L) inch
Paper weight	110-400g/m²
Heater	Quartz Tube Heater
Roller temperature	OFF / 140 - 320 °F
Temperature control	Adjustable every 9°F
Warm up time	Less than 10 minutes
Metric function	○
Film end detection	○
Core diameter	Foil: 1 inch (26mm) Lamination film: 3 inch (76.2mm)
Film diameter (outer)	Foil: up to 2.36 inch (60mm) Lamination film: 7.87 inch (200mm)
Film width	Foil: Standard 12.6 inch (adjustable 12.44-13 inch) Lamination film: 7.87 - 13.38 inch
Pull roller	Equipped
Decaler	Equipped
Mode select	Selectable lamination and foiling modes
Feeding skew	Less than ±0.04 inch (Letter)
Paper jam detection	○
Ejection tray capacity	2 inch
Ejection tray size	14.37(W)x23.6(L) inch
Power consumption	1,000W
Power source	100-120VAC or 220-240VAC 50/60Hz, single phase
Dimensions	Main body: 22.9(W) x 24.4(D) x 21(H) inch W/machine table: 68.1(W) x 24.4(D) x 48.4(H) inch
Machine table	○
Weight	253lbs
Operation	4.3" color touch screen, Inching switch(forward/backward)
Required air compressor	Discharge amount more than 1.2 gallons per minute Tank capacity more than 1.2 gallons Tube diameter 0.25 inch, minimum pressure 7.25PSI

* This device is an equipment that requires an air source.
  Prepare an air source, such as an air compressor or a factory air.
  Please refer to "1. Supplied Items" on page 7.

* The warm-up time may vary depending on the environmental temperature or preset temperature.

Operation Manual

FoilGlazer II

Keep this Operation Manual with care in a fixed storage place so that it may be available whenever required.

When the Operation Manual is stained or lost, contact the distributor or a person in charge in our sales office to ask for a new one.

When you want to transfer this product to the next owner, be sure to hand over this Instruction Manual along with the product.

If there is any label that becomes illegible or is about to peel off, contact the distributor or a person in charge in our sales office to immediately replace it with a new one.

UCHIDA YOKO CO., LTD.
4-7, SHINKAWA 2-CHOME, CHUO-KU, TOKYO 104-8282 JAPAN