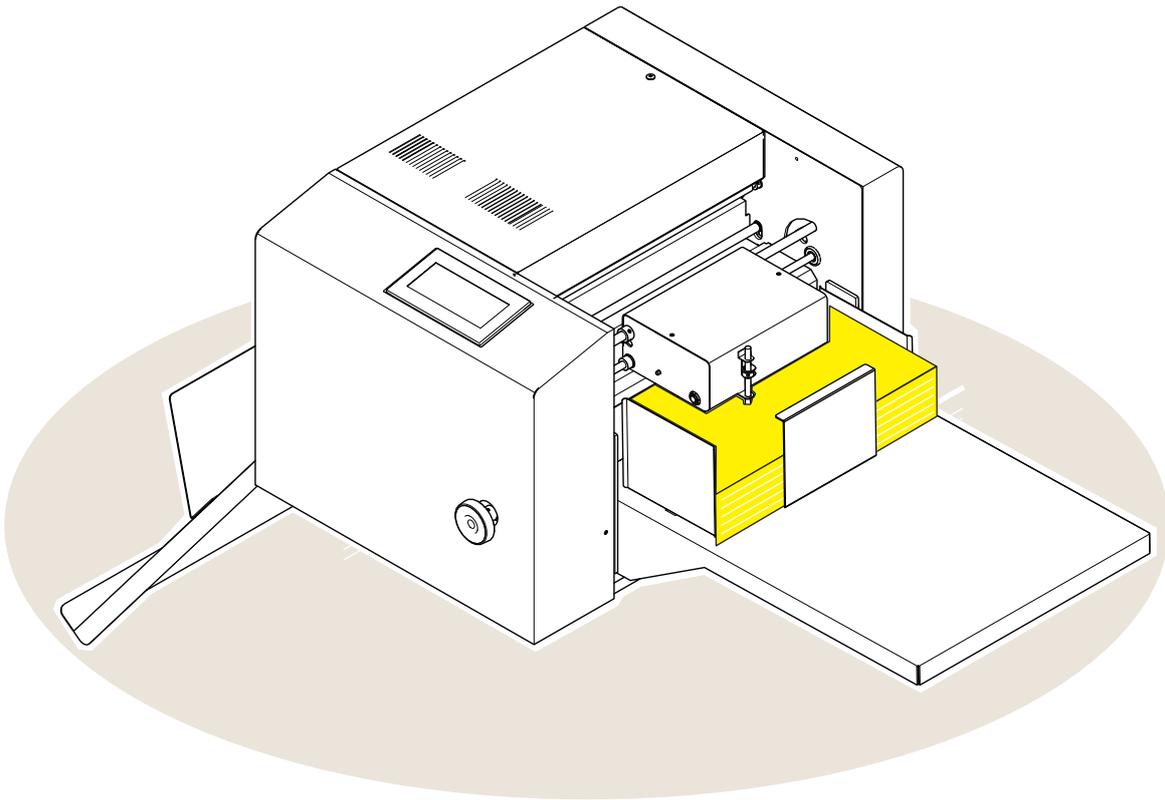




KONICA MINOLTA

AccurioShine 101



- 1 Before Operation
- 2 How to Laminate
- 3 How to Coat
- 4 Troubleshooting
- 5 Maintenance
- 6 Touch Panel
- 7 Supplement

Operation Manual
Ver. 20190930



Introduction		Introduction ----- I			
Safe and Proper Use of Equipment		0-1	Explanation of Warnings (signal word) ----- II		
		0-2	Note for Safe Use ----- III		
		0-3/-4/-5	Other Note / Usage Environment ----- IV		
1	Before Operation	1-1	Caution/Warning/Interlock		
		1-2	4 types of supplies		
		1-3	Paper Type and Size		
		1-4	Note for Papers		
		1-5	Accessories and option		
		1-6	Set Output Tray		
		1-7	Set Feed Table		
		1-8	Set Multipul Shafts		
		1-9	Parts Name and Function		
		1-10	Power devise		
		1-11	Adjustment of Blower Wing	1-12	Home Screen
2	How to Laminate	2-1	Touch Panel	2-2	Touch Panel <small>Cont.</small>
		2-3	Film Set	2-4	Film Set <small>Cont.</small>
		2-5	Set Papers and start	2-6	Set Papers and start <small>Cont.</small>
3	How to Dry Coat / FOil / Spot Gloss	3-1	Touch Panel	3-2	Touch Panel <small>Cont.</small>
		3-3	Film Set	3-4	Film Set <small>Cont.</small>
		3-5	Film Set <small>Cont.</small>	3-6	Set Papers and start
		3-7	Set Papers and start <small>Cont.</small>	3-8	Hand Feed
4	Trouble-shooting	4-1	Paper is not fed		
		4-2	Miss Feed		
		4-3	Jam around Heat Roller		
		4-4	Cannot Laminate/Coat		
		4-5	Jam around Exit Section		
5	Maintenance	5-1	Daily Maintenance		
		5-2	Work Guide Set		
6	Touch Panel	6-1	Mode Select		
		6-2	Feeding Set		
		6-3	Temperature Set		
		6-4	Speed Set		
		6-5	Status icon		
		6-6	Error/Eco		
7	Supplement	7-1	Laminate info		
		7-2	Dry Coat info		
		7-3	Spot Gloss info		
		7-4	Foil info		
		7-5	Relation of paper and film		
		7-6	Specification		
		7-7	Specification <small>Cont.</small>		

Introduction

We sincerely thank you for choosing our coater.
Please carefully read this Operation Manual to use this coater properly.
Before use, be especially sure to read Chapter 1: Safe and Proper Use of This Coater.
Keep this Operation Manual readily available for reference.

Trademark right

Machine name and company name are company trademark or registered trademark.

This equipment system is "Class A Information Technology Equipment".
Radio interference may occur when using the product in a residential environment.
At that time, users of this system may be required to take appropriate measures.

Applicable product for High frequency current standard "JIS C61000-3-2"

Power supply

- The power supply that always use under stable conditions is as follows.

Rated Voltage : AC100V 50/60Hz for Japan market, 115V 60Hz for US market
230V 50Hz for Europe market

- Make sure that the power capacity is not exceeded when using other electric products in the same outlet,

Rated Power: 700W (100V or 115V condition) / 750W (230V condition)

Rated Current: 7A (100V condition) / 6A (115V condition) / 3A (230V condition)



WARNING

- Do not use with unspecified power supply
It causes a danger of fire or electric shock.
- Use that the total current value of the equipment to be plugged in does not exceed the rating of the outlet
If it exceeds the ratings, branch outlets and extension cords will overheat causing fear of fire.
- Make sure to use the ground earth cord, and make a ground connection.
Detail is on "Note for Safe Use" page, refer "Notes regarding Electrical Shock".

Safe and Proper Use of Equipment (Be sure to observe each item)

0-1. Explanation of Warnings (Signal Words)

- The signal word is a warning indication which shows a message on the basic safe behaviour, classified by the level of impact (Injury) on a human body.
- The warning indication is classified by the level of danger by signal words of "Danger", "Warning", and "Caution".
- The warning indications are an important part of safety. If the equipment is mishandled, serious accidents may occur resulting in death or serious injury, or damage to the equipment. Be sure to observe the contents indicated in this manual and the warning labels.
- The signal word, types of danger, level of danger and avoidance of danger are indicated in the warning labels.
- Be sure to read the warning indications indicated in this manual and in the warning labels, and sufficiently understand the contents before starting work.

 DANGER	Danger indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.
 WARNING	Warning indicates a potentially hazardous situation that, if not avoided, may result in death or serious injury.
 CAUTION	Caution indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. Caution is also used to indicate a potentially hazardous situation, where property damage only can be expected.
	This symbol indicates high temperature.
	This symbol indicates sharp edge.

■ Examples of Warning Label Indications



WARNING (Signal Word)

Contents of WARNING (Warning indications)

Symbol Mark (Warning indications)

0-2. Note for Safe Use

● General Notes



WARNING

- Do not modify the equipment, remove components, or attach components not specified by our company without permission.
There is a possibility of injury, or damage to the equipment. We will not guarantee the quality of the equipment if any of the above items are performed.
- Do not remove the safety devices intentionally, or deactivate the functions to use the equipment.
There is a possibility of the human body being exposed to danger, or damage of the equipment caused by a malfunction.



CAUTION

- Immediately stop the use of the equipment if smoke comes out of the equipment, or equipment becomes abnormally hot during operation.
Contact your sales representative after removing the power cable from the outlet.

● Notes regarding Electrical Shock



WARNING

- There is a possibility of receiving an electrical shock, if the cover is removed while the power cable of the equipment is plugged in.
There is a possibility of a major accident occurring from an electrical shock, resulting in death or serious injury, or damage of the equipment.
- Do not remove unspecified covers.
- When connecting an additional ground wire, please request an electrical specialist.



● Notes regarding Heating area



WARNING

- The heater and the motor get high temperature.
There is a possibility of burn injury if you touch around them during operating and right after operation.
Make sure that the temperature is reduced enough when replace and maintenance the parts.
If you have a burn, run cold water over the burn immediately and submit to medical treatment.



0-3. Power Supply

- Make sure to use the ground earth cord, and make a ground connection.
- Range of power supply for stable operation is;
AC100V (+6%~ 10%) 50/60Hz
- Power cable should be connected to directly to an outlet on the wall.
Rated Power: 750W

0-4. Environmental and storage conditions

It is suggested to operate and store this product at the following places.

- Avoiding direct sunlight
- Avoiding dust
- Avoiding vibrating
- Avoiding salted
- Avoiding chemical specialities
- 5~35 degree C/ 20~85RH (Non condensing)
- Up to 1,000 meter height above sea level

0-5. Others

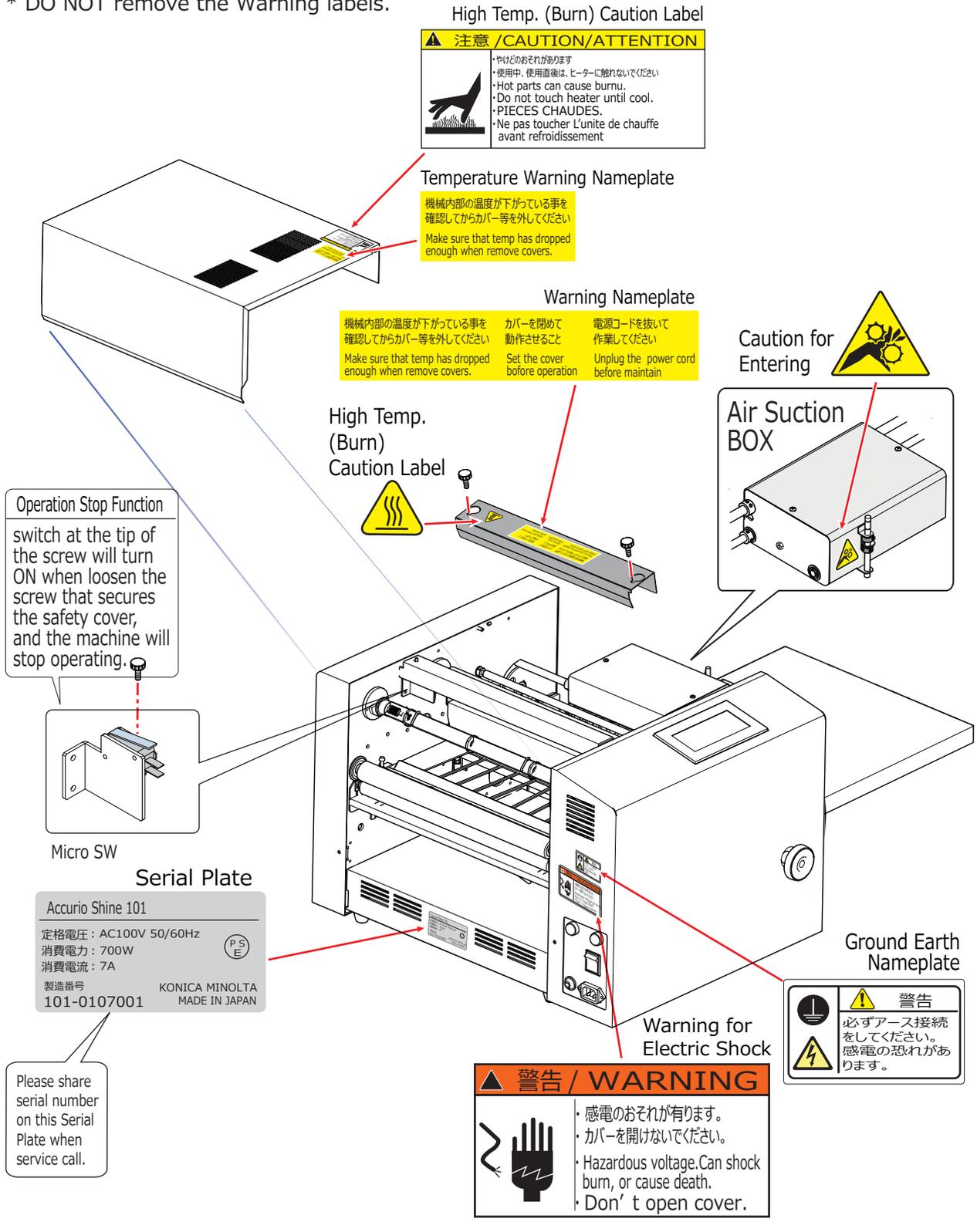
- Do not place a flower vase or glass containing water on the equipment.
If water should enter into the equipment, it may cause failure. Do not place heavy items on the equipment.
- There are some air holes in the equipment covers.
The purpose of these air holes is to allow air to flow in and out of the equipment.
Do not place items near the air holes, or paper that will block the air holes.
- If a strong impact is given to the equipment, there is possibility of having an adverse effect.
Do not give a strong impact to the equipment at any time while working.
- Do not use any voltages other than the specified power supply voltage. Do not plug the equipment into outlets which have multiple plugs in use.
This may cause a fire or an electrical shock.
- Avoid the use of extension cords.
- Do not cut, damage, bundle, or modify the power cord.
Do not place heavy items on the power cord, pull or sharply bend, as it may cause a fire or electrical shock.
- If metal or etc. contacts the prongs of the power plug, it may cause a fire or electrical shock.
- Install the equipment in a position as close to the power receptacle as possible, so that the power plug can be easily removed when any abnormality occurs.
- If there is damage to the power cord, exposure or wire breakage of the core wire is found, contact a service contractor to replace the power cord.
- If a foreign substance, such as metal, water or other liquids accidentally get into the equipment, disconnect the power cord from the outlet, and contact a service contractor.
If the power cord is used as it is, it may cause a fire or an electrical shock.
- When moving the equipment, be sure to disconnect the power cord from the outlet before moving. If not, the cord will be damaged and may cause a fire or an electrical shock.
- Be sure to disconnect the power plug from the outlet for safety before performing any service.
- Be sure to grab the plug when disconnecting the power plug.
Do not pull on the power cord. The cord will be damaged, and may cause a fire or an electrical shock.
- Do not use the accessories (power cable, etc.) included with this equipment, for other products.

C.1 Before Operation

1-1: Caution/Warning/Interlock

Explanation of Warning/Caution Labels and Interlock locations.

- * Observe the contents of the Warning label, and perform safe work avoiding accidents.
- * If the Warning label can not be read or has been removed, contact your sales representative for a new label.
- * The external appearance may differ from the illustration depending on the manufacturing lot; however, the attachment location of the Warning labels in the same.
- * DO NOT remove the Warning labels.



C.1 Before Operation

1-2: 4 types of supplies

Laminate Film

Detail is "7-1"

Icon on Touch Panel

Laminate Film

Film is unnecessary to rewinded.

Heat Roller

Overlap feeding

Laminated area

3 side trim

Feature

Film is covered on sheet, the total thickness will be thicker and protects the printing quality.

Dry Coating

Detail is "7-2"

Icon on Touch Panel

Rewind side

Possible to see that transferred area is thinner.

Dry Coat Ribbon

Unwind side

This width is wider than paper width.

Feed and put space between sheets

Coating material is transferred on whole sheets.

Feature

Very thin material covers whole sheet. Make glossy and protects from dirt.

Output sheet by sheet

No need to cut

Spot Gloss Coating

Detail is "7-3"

Icon on Touch Panel

Rewind side

Spot Gloss Film

Unwind side

This width is wider than printed area.

Feed and put space between sheets

Feature

Coating material reacts only toner printed area. Make shiny and give gorgeous impact.

Glossing on only toner printed area.

Foiling

Detail is "7-4"

Icon on Touch Panel

Rewind side

Gold ribbon

Unwind side

This width is wider than paper width.

Feed and put space between sheets

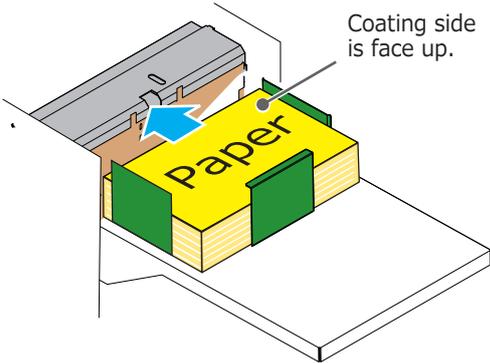
Feature

Foil material is transferred only toner printed area. Make shiny and give gorgeous impact.

Foiling on only toner printed area.

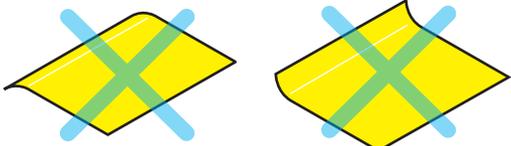
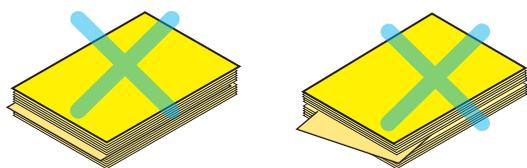
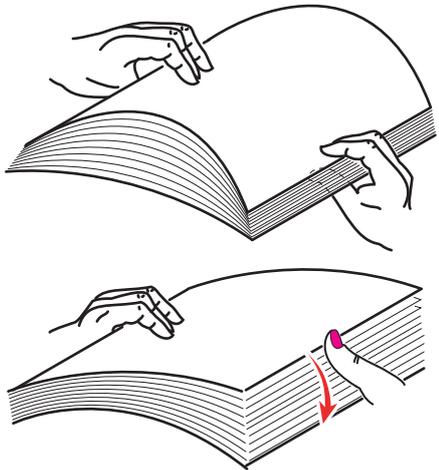
C.1 Before Operation

1-3: Paper Type and Size

Size	Max= 320 (330mm) x 660mm	
	Min= A4 (Laminate) A5 (Dry Coat / Foil)	
Thickness	110~400gsm (t= 0.12 ~ 0.45mm)	
Loading direction and Position		<p>[Loading direction] Load as landscape for A4 size as the left picture. Vertical loading wastes supplies.</p>
		<p>[Loading position] Other supplies Center base= Load on the center position. Paper needs to be inside of foil side leading edge on both sides.</p>

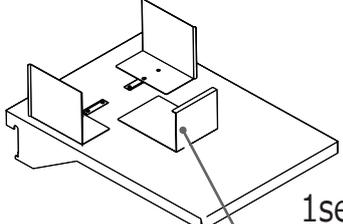
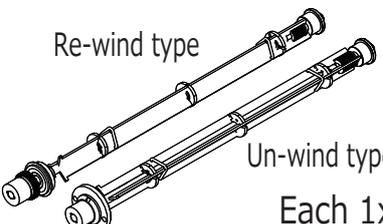
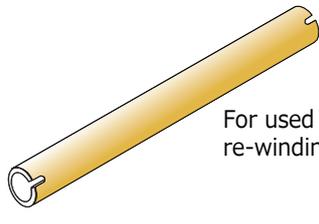
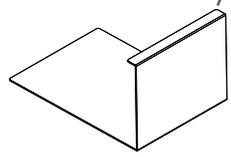
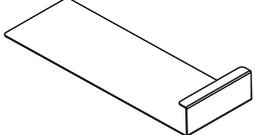
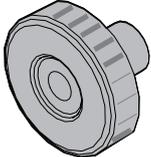
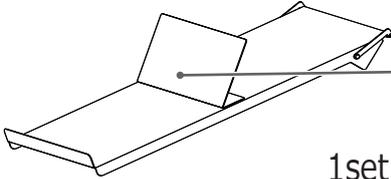
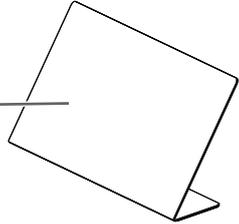
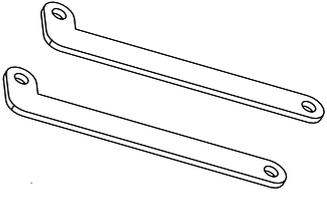
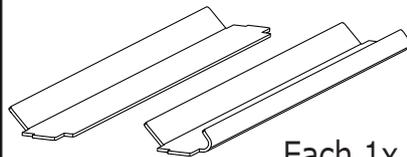
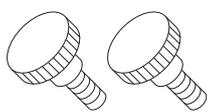
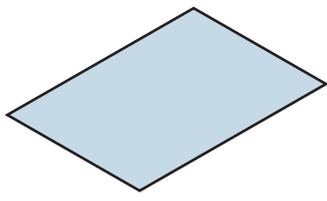
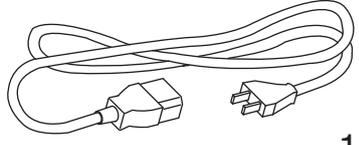
C.1 Before Operation

1-4: Note for Papers

<p> Caution1 No Curl</p>		<p>Paper curl (upward and downward) cases jam issue especially for Heat Roller.</p>
<p> Caution2 Well organized</p>		<p>Messy paper loading causes mis-feeding.</p>
<p> Caution3 Well separated</p>		<p>Double feeding problem happens often, if the papers stick together because of static, especially art paper and coated paper. Please refer the left picture to separate papers well before paper loading.</p>

C.1 Before Operation

1-5: Accessories and option

<p>Feed Table Ref. [1-7]</p>  <p>1set</p>	<p>Multipul Shafts/Paper Core</p> <p>Re-wind type</p>  <p>Un-wind type</p> <p>Each 1x</p>	<p>Paper Core</p>  <p>For used ribbon re-winding.</p> <p>1x</p>
<p>Feed End Guide</p> 	<p>Feed End Guide Long (For long sheet)</p>  <p>1x</p>	<p>Handle Ref. [1-7]</p>  <p>1x</p>
<p>Output Tray Ref. [1-6]</p>  <p>1set</p>	<p>Output End Guide</p> 	<p>Output Tray Fix Plate</p>  <p>2x</p>
<p>Separation Bar (2 types)</p>  <p>Each 1x</p>	<p>Fixing Screw (For Output Tray)</p>  <p>2x</p>	<p>Set Plate</p>  <p>1x</p>
<p>Power Cord</p>  <p>1x</p>	<p>Operation Manual</p>  <p>1x</p>	

C.1 Before Operation

1-6: Set Output Tray

1 Ready Work Table

Installation area is "width:86cm/depth:56cm".
Need to use the bigger operation table.
Operation Table needs to be very flat and strong for 33kg.

2 Put machine at left corner

Put the machine on the left corner position of the operation table. The Output Tray is attached like as slider later.

3 Set Output Tray Fix Plates

Insert the Output Tray Fix Plate into the Hook screw from the main body on both sides like as right figure.

4 Hook Output Tray

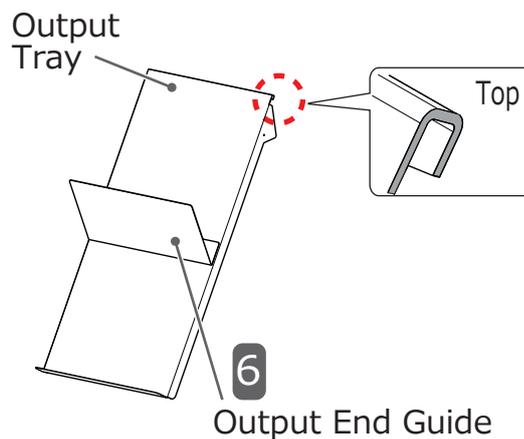
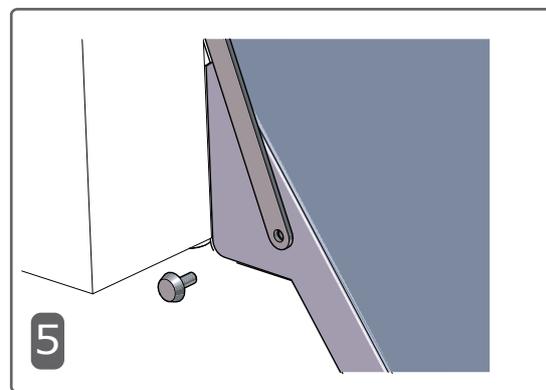
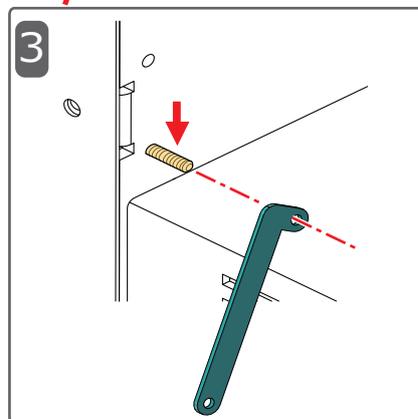
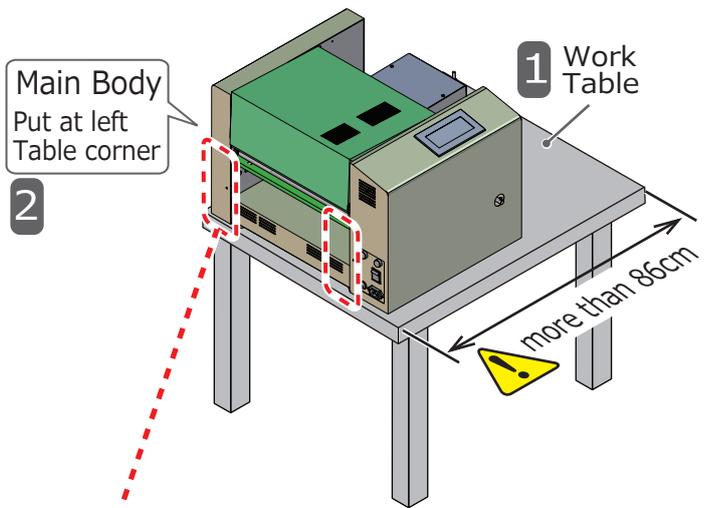
Top of the Output Tray (Bent shape) hooks the Screw Hook at the discharge section of the main body.

5 Fix Output Tray

Align the screw holes between Output Tray and Output Tray Fix Plate, and fix by Fixing Screw on both sides.

6 Set Output End Guide

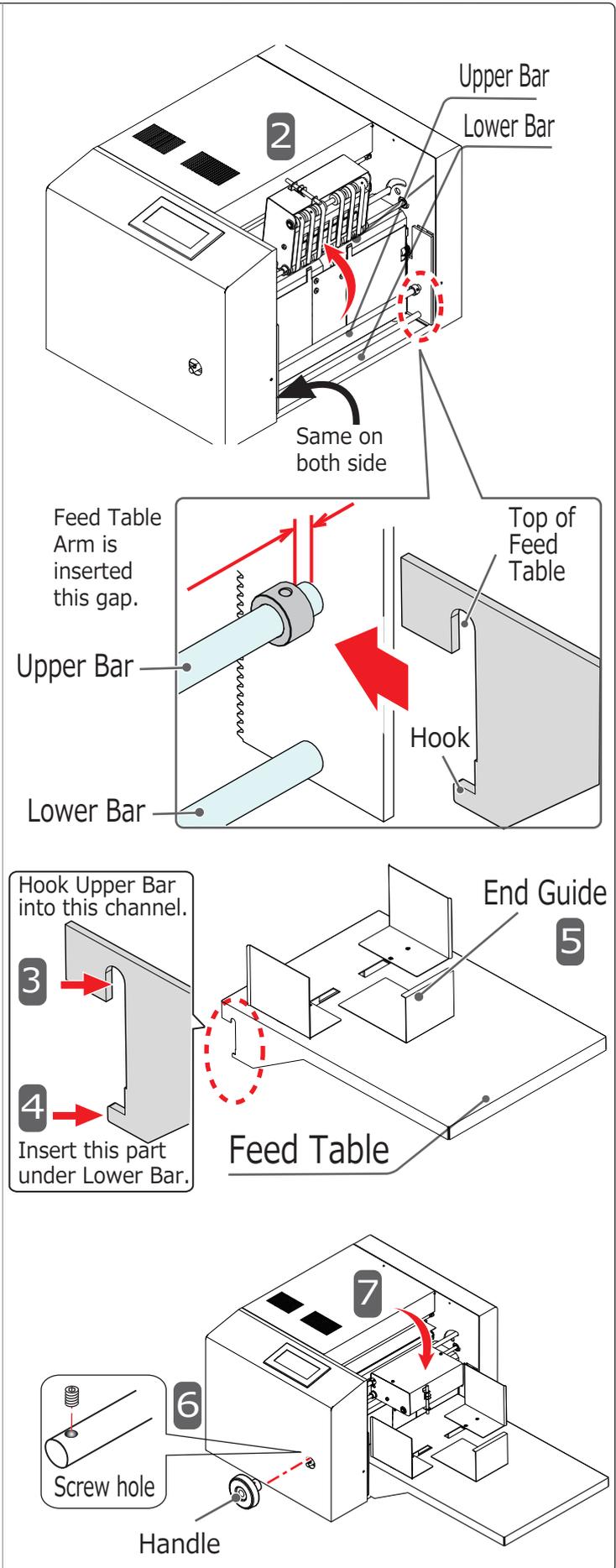
Set the Output End Guide depending on the work size.
This position needs to be adjusted by actual operation.



C.1 Before Operation

1-7: Set Feed Table

- 1** Ready Feed Table and parts
Feed Table, End Guide and Handle are attached on this section.
 - 2** Flip up Air Suction Box
Flip up the Air Suction Box for easy access.
 - 3** Hook Feed Table 1
Hold the Feed Table as angled direction (end side is rising), and hook the top of Feed Table to Upper Bar. Top of Feed Table Arm is inserted between the gap as right picture.
 - 4** Hook Feed Table 2
Make the Feed Table as horizontal angle, then the Hook is caught by Lower Bar.
- Caution** Do not lift up the Feed Table
Feed Table is not fixed, just hooked by 2 shafts.
- 5** Set End Guide
Set the End Guide depending on work size.
 - 6** Set Handle
Fix the Handle by set screw. (Set screw is attached on the Handle)
There is a screw catch hole on the shaft.
Find the screw hole by top of the screw.
 - 7** Flip down Air Suction Box
Flip down the Air Suction Box.



C.1 Before Operation

1-8: Set Multipul Shafts



Set the supply roll on Un-wind shaft and set on the machine.
Set the empty Paper Core on Re-wind shaft to re-wind the coated film.

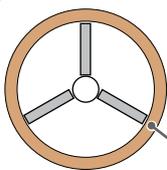
Explanation picture doesn't have supply roll on Un-wind Multipul Shaft.

1 Multipul Shaft

Ready the Multipul Shaft both side (Un-wind and Re-wind). Check which is un-wind side and re-wind side.
The shaft that has a gear parts is "Re-wind" side.

2 Set empty Paper Core

Set the empty Paper Core on the center of Re-wind Multipul Shaft and turn the Fixing Knob as clockwise direction to fix the core.



Turn the Fixing Knob as clockwise direction and the 3 plates expand and fix the inder of paper core.

Empty Paper Core
Cross-section of Multipul Shaft

3 Set Re-wind Shaft

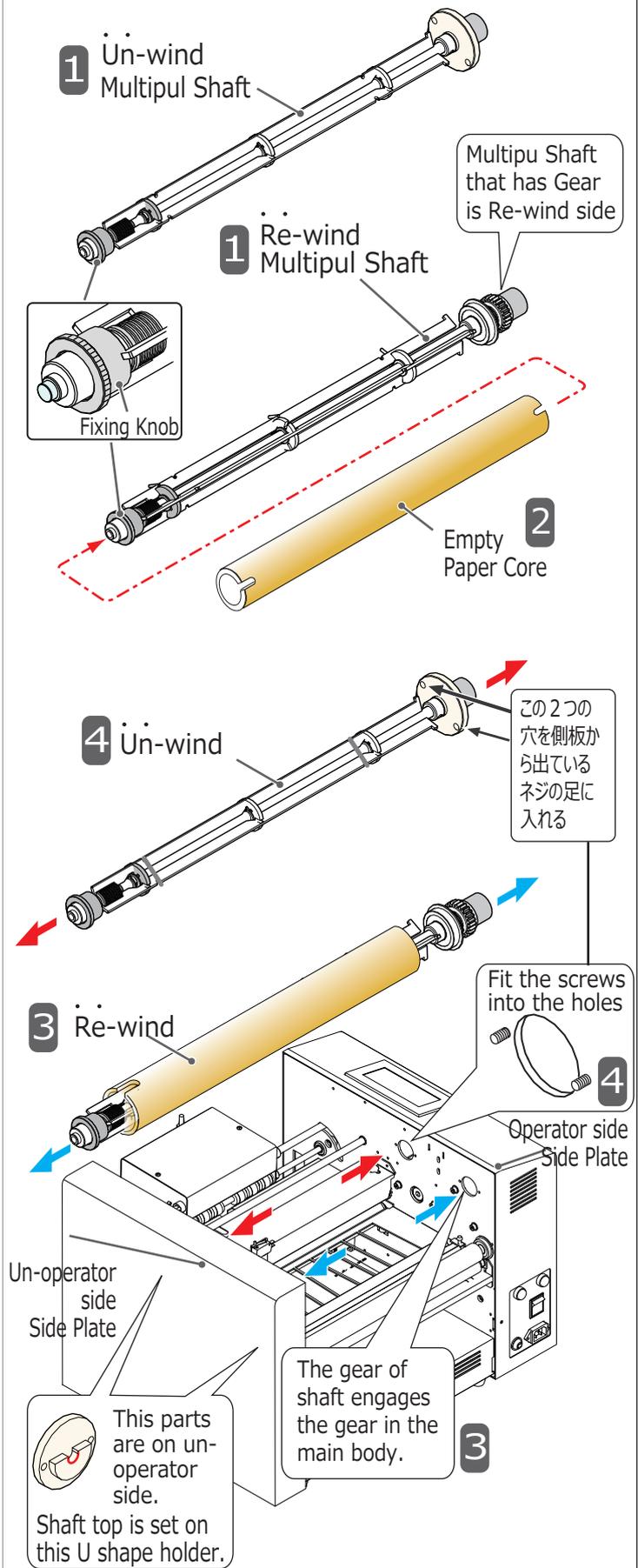
Set Re-wind Shaft as blue arrow position. Gear side is on operator side and engages with the gear on the main body.
Another side has a plastic U-shape holder for the shaft.

4 Set Un-wind Shaft

Set Un-wind Shaft as red arrow positions. There are 2 screw projections on operator side. 2 holes of the shaft fit to these.
Another side has a plastic U-shape holder for the shaft.

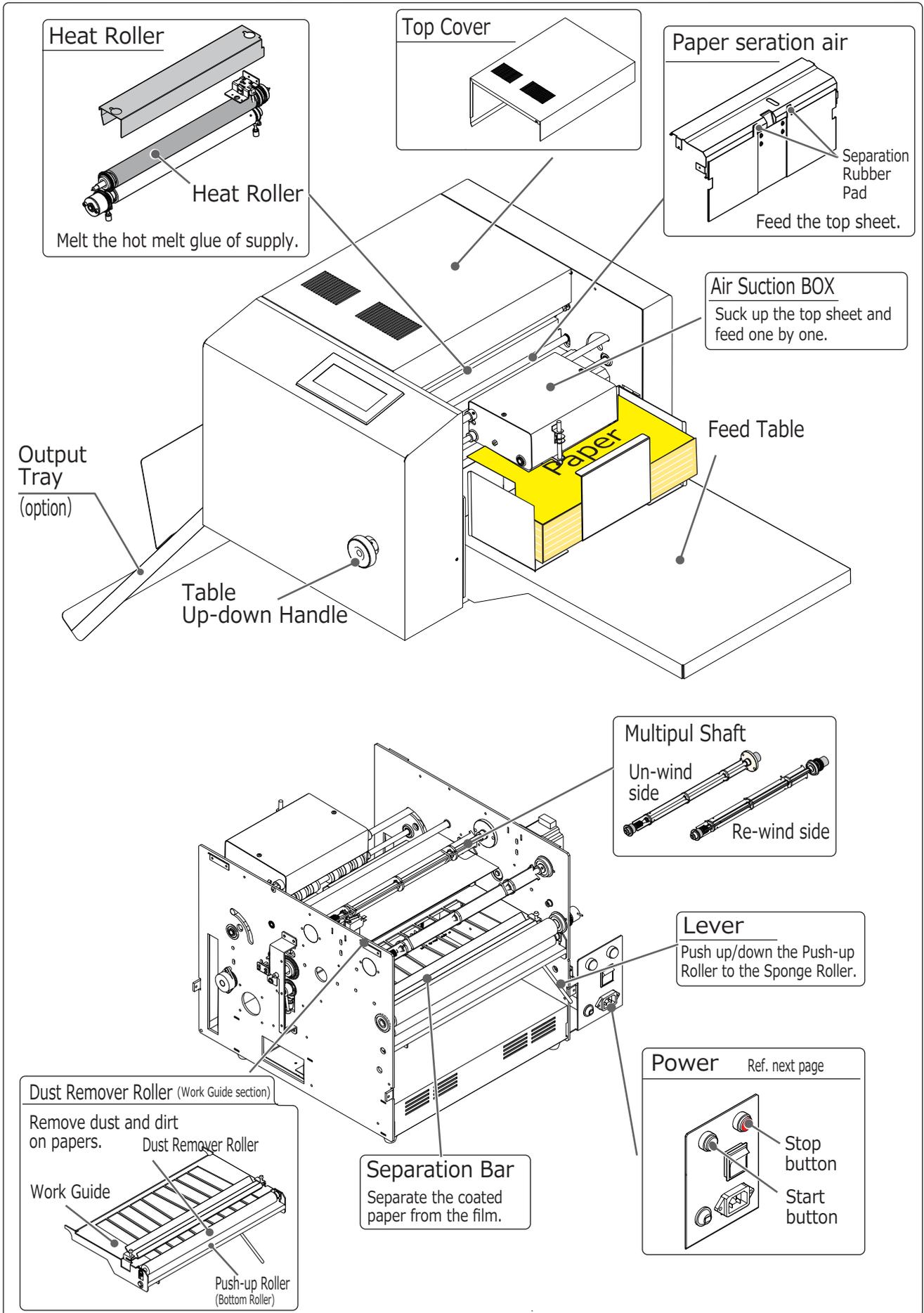


There are some parts that shows as different shape than actual parts.
This make it easier to understand.



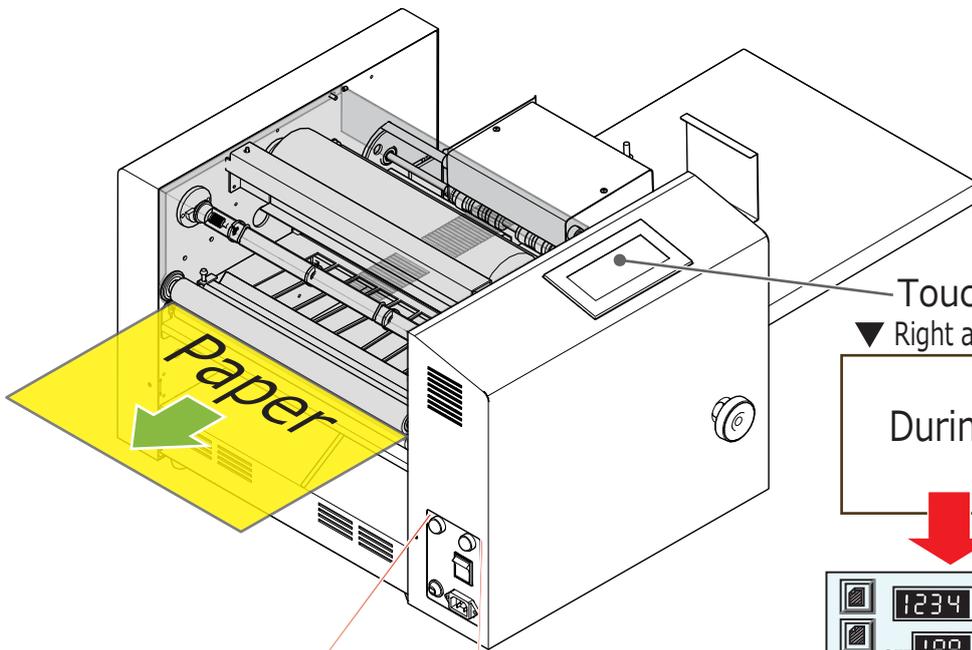
C.1 Before Operation

1-9: Parts Name and Function



C.1 Before Operation

1-10: Power devise

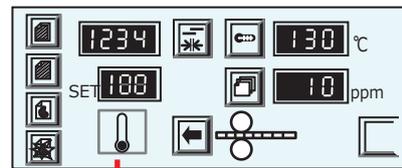


Touch Panel

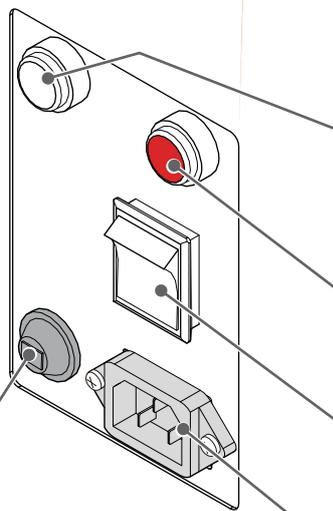
▼ Right after Power ON.

During reading...

▼ Home Screen



▶ When present temp. reached as set temp.

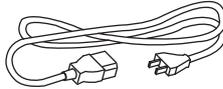


Manual Start Button  Same function with Start icon on touch panel.
1st push: Feed Table lifts up and air separation starts.
2nd push: Start feeding.

Stop Button  All operation stops by this button. Heat Roller stops heating. Same function with Stop icon on touch panel, however this stop button stop operation immediately.

Main Power SW Turn ON/OFF the main power by this. Turn ON and Touch Panel shows 「During reading...」. Home screen comes up after that and heating up starts.

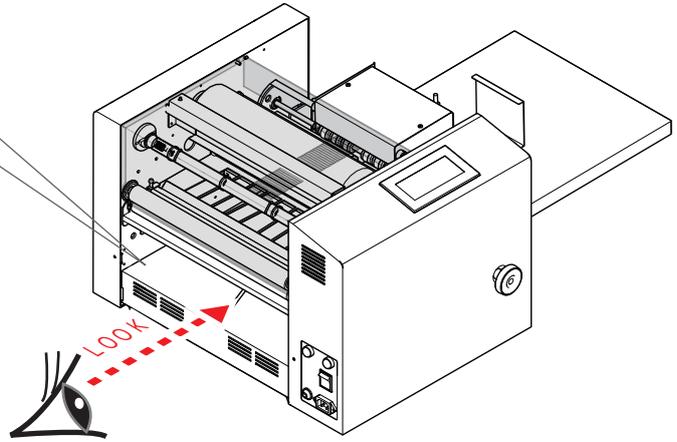
Circuit Protector	Center part comes out when electrical circuit is abnormal, and protect the circuit problem. Push the center part and get it back to the original position after clear the error and back to normal.
Current	AC100-115V= 8A AC230= 5A

Inlet  Insert Power Cord here

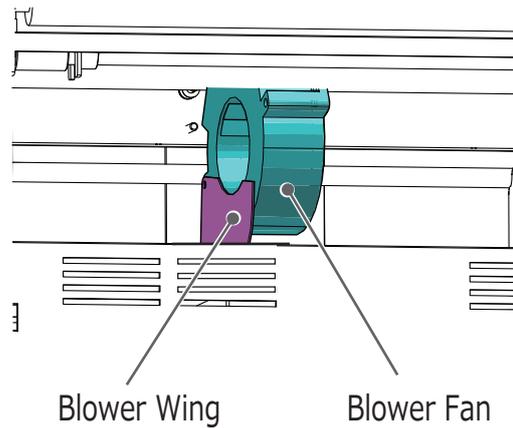
C.1 Before Operation

1-11: Adjustment of Blower Wing

Look inside the machine from the discharge section.



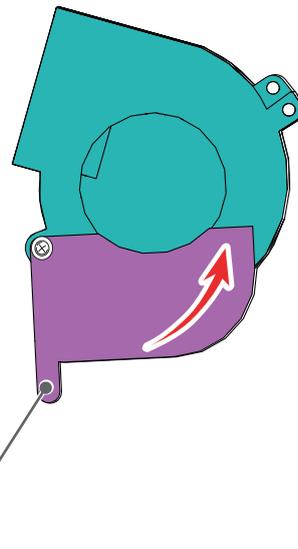
There are Blower Fans inside (feeder side) and the Blower Wing is attached on it.



Pinch the part like as right figure to adjust the blower volume by angle of Blower Wing.

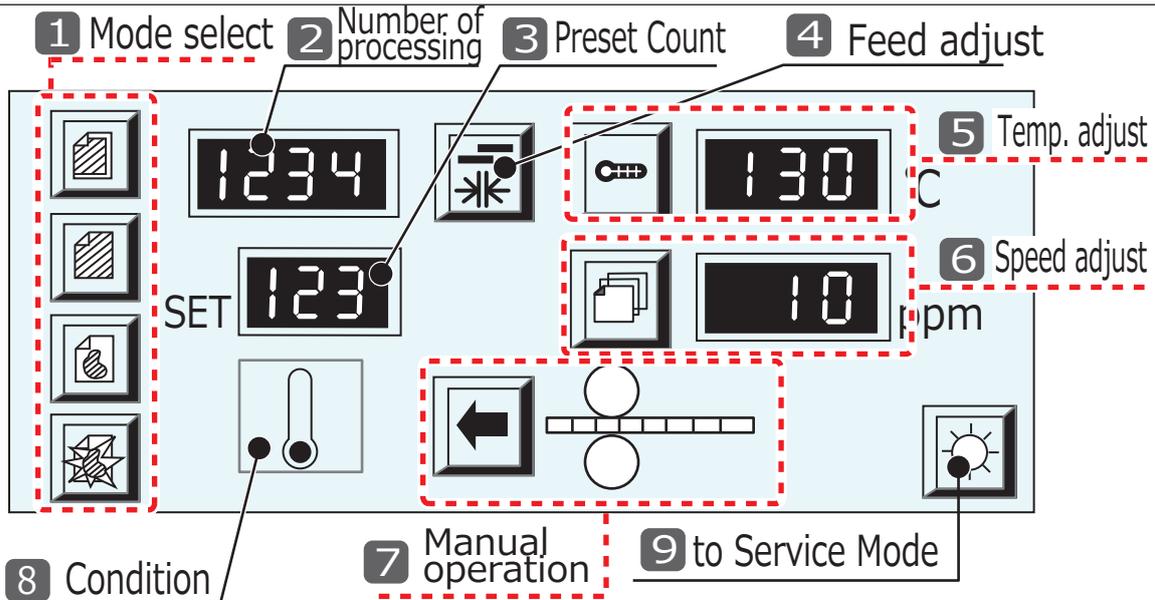


Unnecessary to adjust if there is no problem on feeding condition.



Pinch this part

C.1 Before Operation



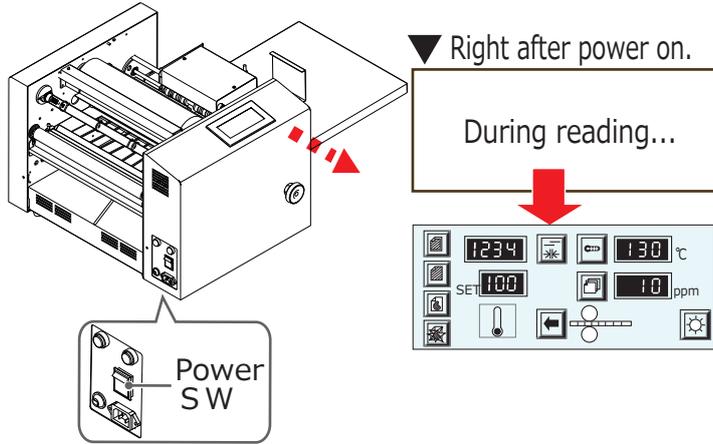
1		Mode select	4 types: 1) Laminate, 2) Dry Coat, 3) Spot Gloss and 4) Foil. Push the button and the selected mode icon turn gray.	—	
2		Number of processing	Shows the number of processed until now. Possible to reset the number if push the number icon and push "CLR" icon.	—	
3		Preset count	Push this number icon and open the "Preset screen". Set the preset count number. Machine stops automatically after processed the number you set.	—	
4		Feed adjust to set mode	Push this icon and open "Feed Adjust" screen. Set the overlap value.	7-1	
5		Temp. adjust to set mode	Set temp. is displayed on the black box next to this icon. Presented temp. can be shown when push the temp. display. Push this button when change the temp.	7-2	
6		Speed adjust to set mode	Set speed is displayed on the black box next to this icon. Display is "sheets per min as A4 size". Push this button when change the speed.	7-3	
7		Manual operation	Push this icon and the machine operates until next push. Manual operation stops when push this icon one more time. Possible to use this function even during the heating up mode.	7-4	
		Warm up	If you press this icon and turn it for about 1 minute with no film attached, you can transfer it cleanly from the first sheet when processing the paper. (Need to adjust the time depends on the condition.) ※DO NOT turn too much.		
8	Display		Heating up	This mark is shown after power on until the temp. reaches the set temp. Change to the next "Start" mark when reached to the set temp.	—
			Start	Possible to start operation when this mark is shown. One push: Air blow starts. Push twice: Feeding starts. If you leave the icon pressed once, the air will stop after a certain period of time.	—
			Stop	Machine stops when push this icon during operation. Push once: Machine will stop after last fed sheet is processed. (Stop condition is different depending on mode.) Push twice: Machine will stop immediately. (All mode)	—
9		Service Mode	Push this icon and go to Service Mode. Push icon and move to the password screen. This service mode is only for who is trained by manufacturer training so please push "Cancel" icon to escape this mode if this screen shows up by mistake. Return to the original screen.	—	

C.2 Laminate

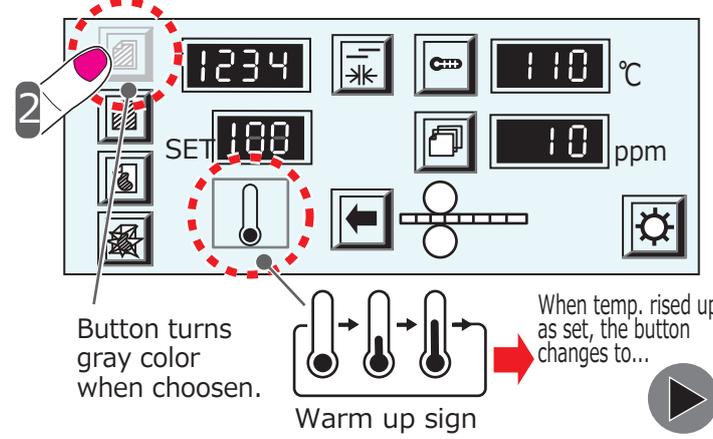
2-1: Touch Panel

NOTE When starting up for the first time, wait for a few minutes after reaching the set temperature and making a sound before operation.

1 Power On
 Plug in a power cord and power on the machine.
 "During reading" screen shows up and home screen comes up for a while.

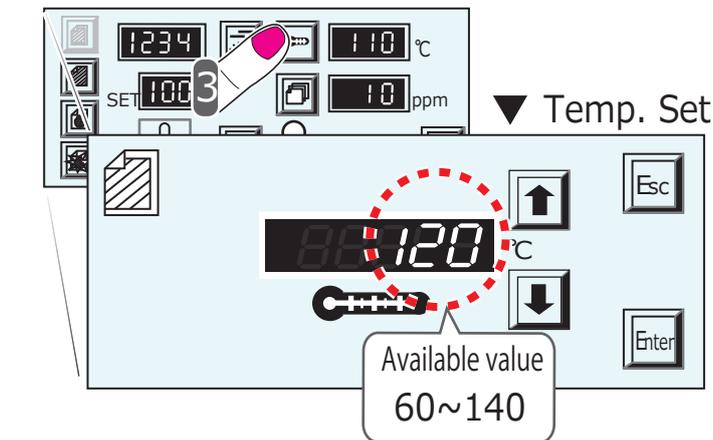


2 Push= Chose "Laminate mode"
 There are 4 icons on the left side of Home screen. The top icon is "Laminate mode". The icon turns gray color when you chose and push the icon button.



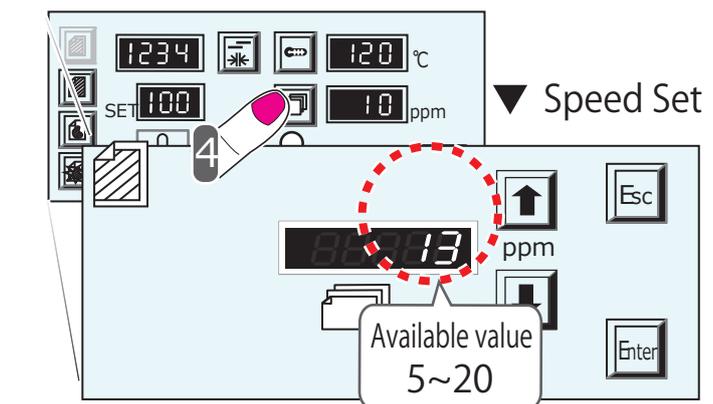
Note Suitable temp. for genuine brand film is set automatically when you chose the icon. Please skip this step if the set temp. is okay.

3 Push= Set Temp.
 "Temp Set" screen comes up. Change the temp as suitable by up-down arrows buttons, and push "Enter" button when set. Then the set temp. is recorded and Home screen comes up. Possible set temp.= 100~120 degreeC for laminate use. Possible set range* laminate=60~140 degreeC.



Note Suitable temp. for genuine brand film is set automatically when you chose the icon. Please skip this step if the set temp. is okay.

4 Push= Set Speed
 "Speed Set" screen comes up. Change the speed by up-down arrows buttons, and push "Enter" button when set. Then the set speed is recorded and Home screen comes up.



5  Push= Set Feeding

"Feed Set" screen comes up. Change the "Overlap value" by up-down arrows buttons, and push "Enter" button when set. Then the set value is recorded and Home screen comes up.
Available set value= -5~5

Note

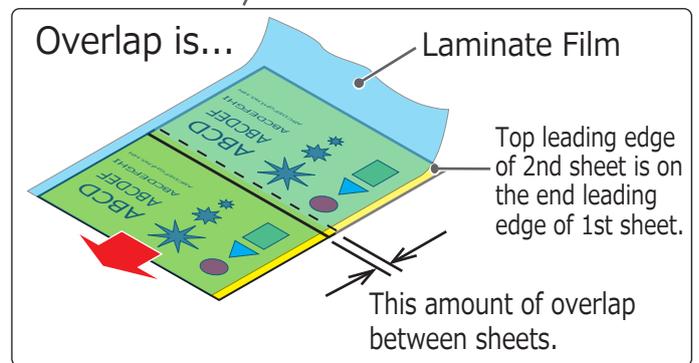
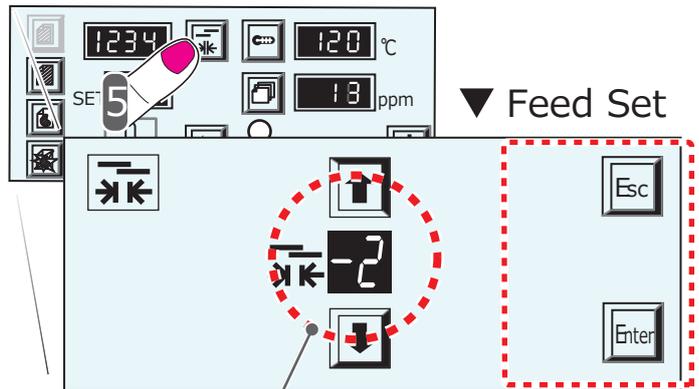
Overlap

- 0= No gap between sheets.
- 5= Gap between sheets is maximum.
- 5= Overlap value is maximum.
- 2 ~ -1 is common.
- * Adjust depending on paper condition.



Caution

Try not to leave gap as much between the paper as possible. If only the film part increases, the adhesive component will start to melt by the heat roller, which may cause problems during processing.

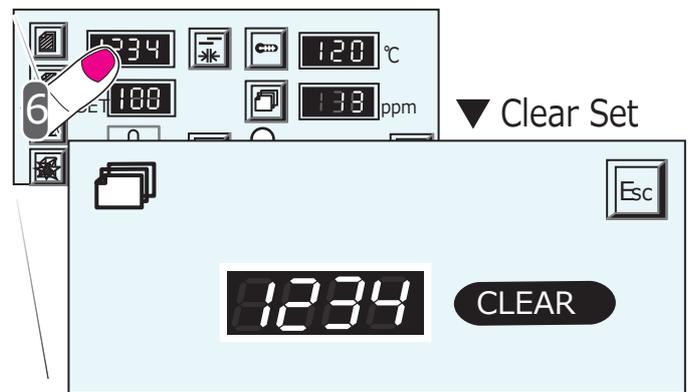


6  Push= Clear counter number

"Clear Set" screen comes up.
Push **CLEAR** button, then the number will be "0".
Push "Esc" button and Home screen comes up.

Note

Preset number on Home screen is previous set value. The next step is unnecessary when the set value is okay. Go next page.

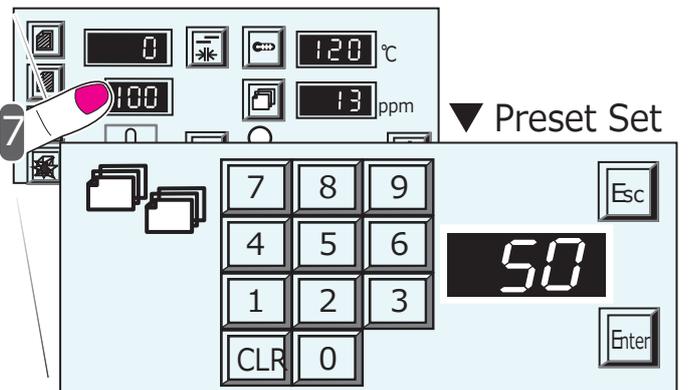


7  Push= Set Preset number

"Preset Set" screen comes up. Change the number by number buttons, and push "Enter" button when set. Then the set value is recorded and Home screen comes up.

[Preset]

Sheets are operated as preset value and pause when set value is done. Start again when push "Start" button (repeat).



C.2 Laminate

2-3: Film Set

1 Multipul Shaft: Un-wind Shaft
Remove the Unwinder Multipul Shaft from the machine.

2 Set the ribbon on Un-wind Shaft
① Loosen the Multipul Shaft Screw.
② Set the ribbon roll on the center of shaft (*).
③ Tighten the Multipul Shaft Screw and fix the paper core of ribbon roll.

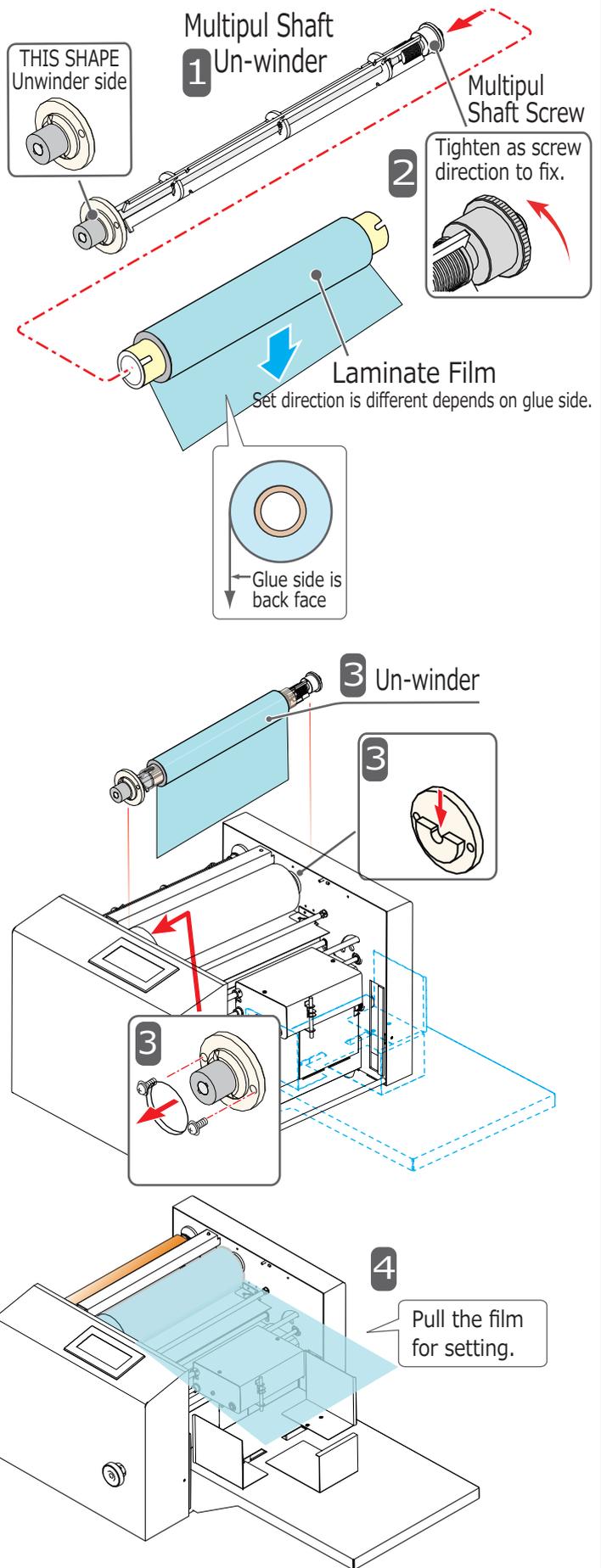
Make sure that the glue surface is on top when set.

*  Set direction is different depending on the glue side, face-up or face-down. Ref. right picture.
Caution

3 Set the Un-wind Shaft on the machine
2 holes on Unwinder Shaft fit to the 2 screws on the main body. Another side of Unwinder Shaft is set on the U shape channel on non-operator side.

4 Pull and unwind film
Pull and unwind the film. This pulled length is needed for insert the film into the machine by Set Plate.

5 Power ON
Turn ON the power at this point.



6 Ready Set Plate
To push the film through machine to exit.

7 Insert Set Plate
Slack the film and push it between Air Suction BOX and Film Error Tension Shaft by Set Plate. Push the film until the film goes to the **Heat Roller**. If you push it in several times, the film will become more smooth to be inserted.

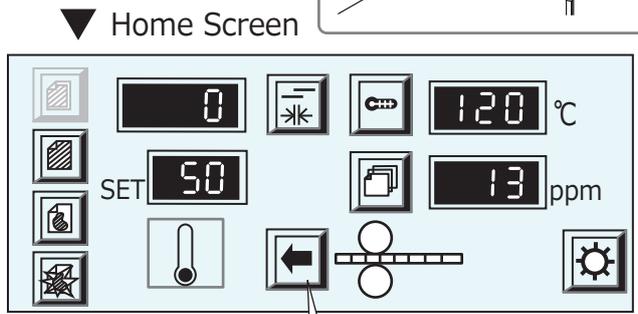
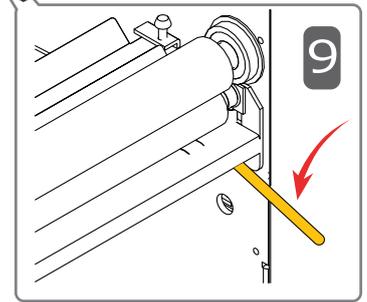
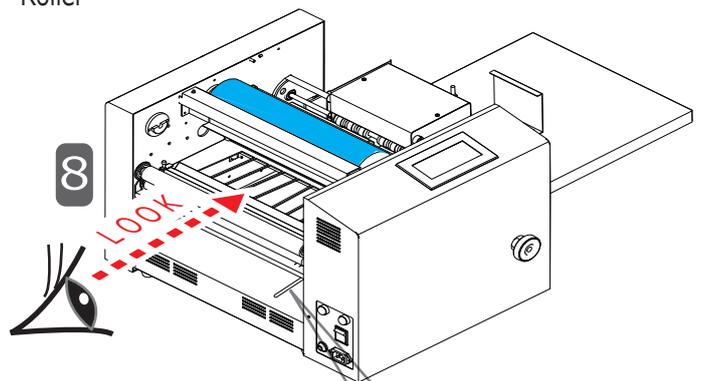
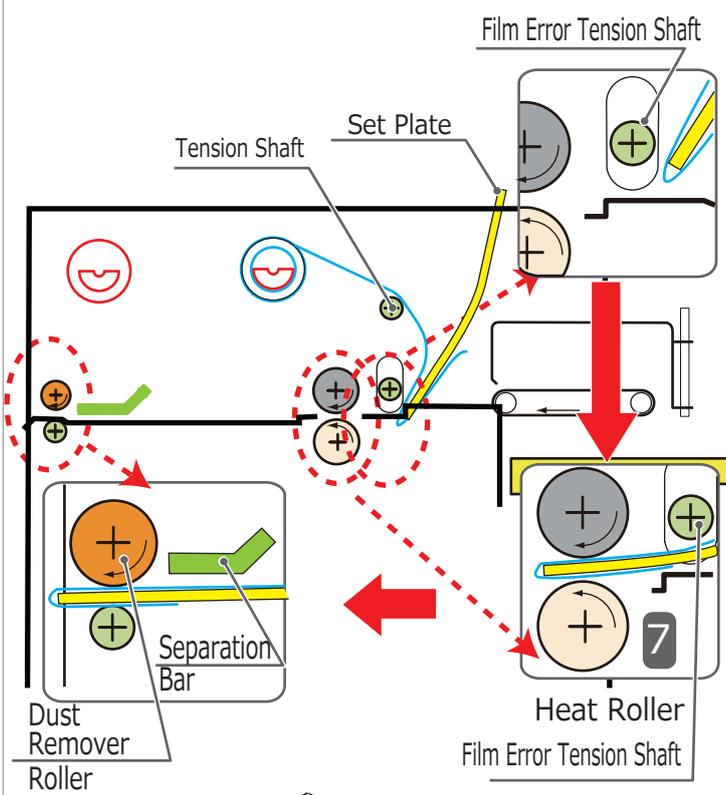
8 Check Leading Edge of Set Plate
Look inside the machine from the exit side of the machine. The tip of the Set Plate that you pushed in under the gray heat roller is shown.

9 Lift Up Nip Roller
Lever up and lift up the Nip Roller.

10 Press "Manual Feed" button
Push "Manual Feed" button on Home Screen of Touch Panel. The Set Plate is fed.
[NOTE] Tip of Set Plate that you checked must be fed straightly.
It's fail if the film rolls up around Heat Roller.
Push "Stop" button to stop operation immediately and restart again from the scratch.

11 Push "Manual Feed" again and Stop
Push "Manual Feed" button to stop operation when the rear edge of Set Plate passed through the Dust Remover Roller. Remove the film from Set Plate.

Caution  Set Plate is reuseable item. However please use new one if the plate get curl and/or bent. Please order to the dealer that you bought this machine.



icon changes to  when ready.

Manual Feed button Possible to operate manual feeding during heating up. Push again to stop.

1 Feed Tray at lowest position

Turn the Handle and make the Feed Tray at the lowest position for paper loading.

2 Flip up the Air Suction BOX

Flip up the Air Suction BOX for smoothly paper loading at the next step.

3 Open the Side Guides

Open the Side Guides and End Guide for paper loading on next step.

4 Load the papers

max loading
80mm

- ① Separate well the papers.
- ② Load the paper as face up.
- ③ Set as right picture (shows as A4 size)
- ④ Set the papers as center position.
- ⑤ Papers hit the front plate.

A4 Paper loading= max 80mm
A3 Paper loading= max 40mm

[Note] Separate well the papers and insert the air between sheets. This prevent the double feeding issue. (Ref. 「1-3」)

5 Set the Guides

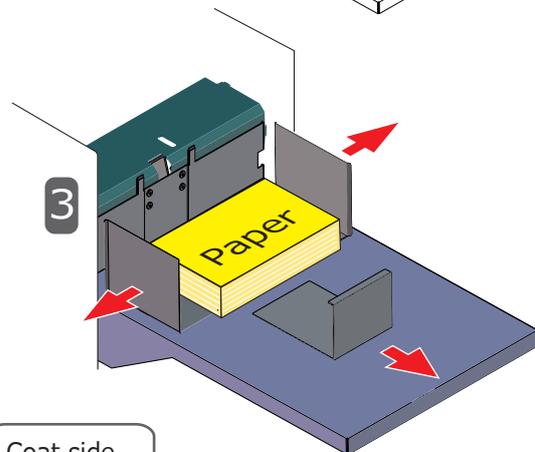
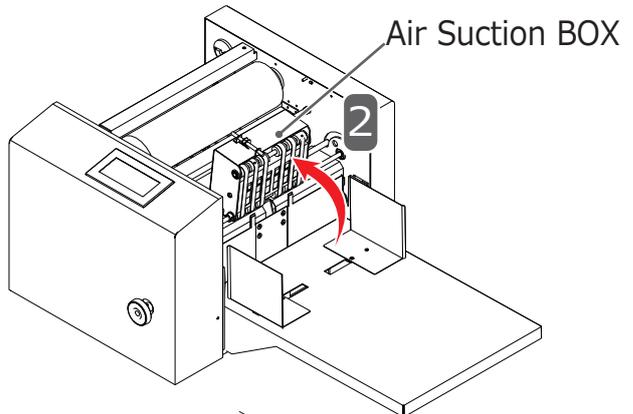
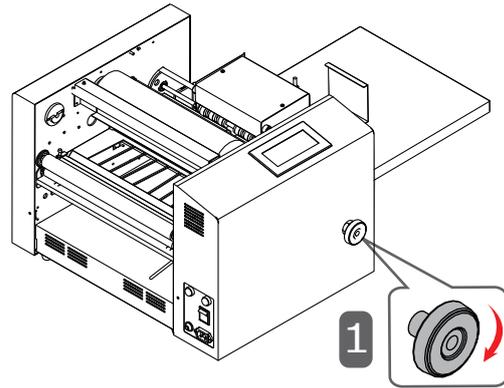
Set the Side Guides and End Guide along the paper sides softly.



Caution

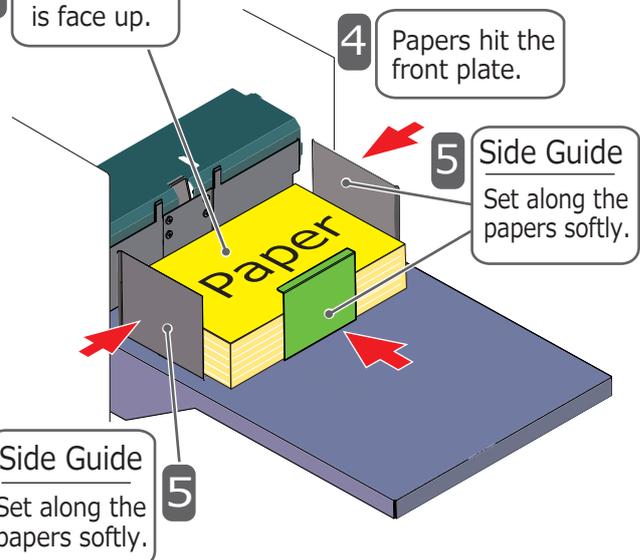
Do not push strongly.

Do not push the papers by guides strongly or paper feeding cannot be operated smoothly.



4 Coat side is face up.

4 Papers hit the front plate.

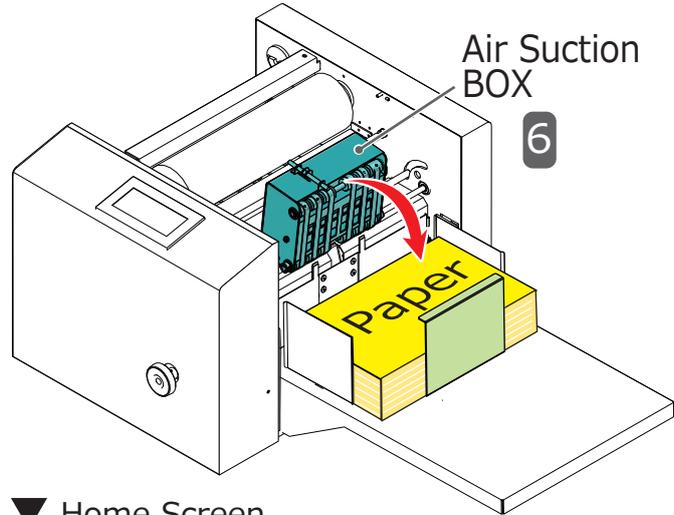


5 Side Guide Set along the papers softly.

5 Side Guide Set along the papers softly.

6 Flip down the Air Suction BOX

[Note] Unnecessary to lift down the Feed Tray after flip down the Air Suction BOX at original position. The height adjustment for air suction feeding will be adjusted automatically when push start button.

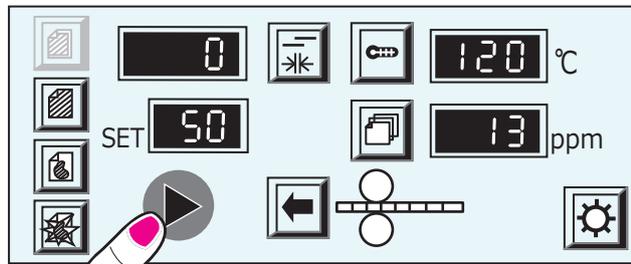


7 Check the Temperature

 icon on Home screen changed to  icon.

This shows the heater temp. reaches the set temp. Please wait until the start button comes up for a while.

▼ Home Screen



8 Push Start button

Push Start button, then the Feed Tray is lifted up and the air blows to separate the papers from front. Paper is not fed yet at the time.

Start button

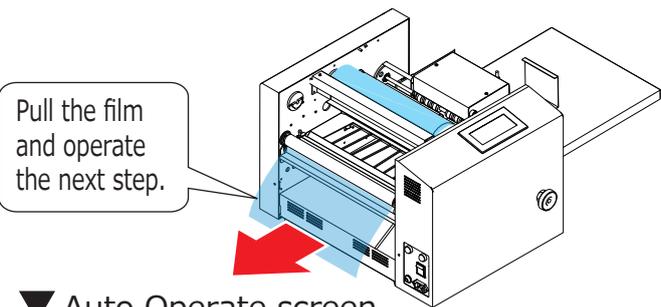
8 Push Start button → Feed Tray lifts up → Air Blow starts.

10 Push again Start button → Feeding starts → icon changes to 

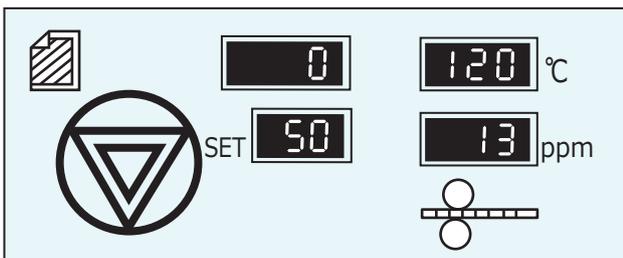
9 Pull to Support Film softly

Laminate film is in the state where it is on the exit side after passing through the Heat Roller on the previous page.

In this state, if you press the "Start" button again, the film may be wound around the Heat roller or platen roller. To prevent this, pull the film lightly. (Release your hand when the first processed sheet comes out)



▼ Auto Operate screen



 Do not pull too strongly, or the film is idled and unwinded too much.

10 Push Start button again

Push Start button one more time, then the paper is sucked up to the Air Suction BOX and start feeding. The touch panel screen changes to "Auto operation screen".

When use the preset function, the machine stops automatically by set quantity. Feeding starts again when push Start button again.

C.3 Dry/Spot/Foil Coat

3-1: Touch Panel

Dry Coat, Spot Gloss and Foil process are similar. The explanation on this chapter is as "Dry Coat" step.
Change the rolls, temperature and speed depending on the film type.

NOTE When starting up for the first time, wait for a few minutes after reaching the set temperature and making a sound before operation.

1 Power On
Plug in a power cord and power on the machine.
"During reading" screen shows up and home screen comes up for a while.

2

-  = Laminate
-  = Dry Coat
-  = Spot Gloss
-  = Foil

Push= Chose

There are 4 icons on the left side of Home screen.
Chose from dot circled icons (3).
The icon turns gray color when you chose and push the icon button.

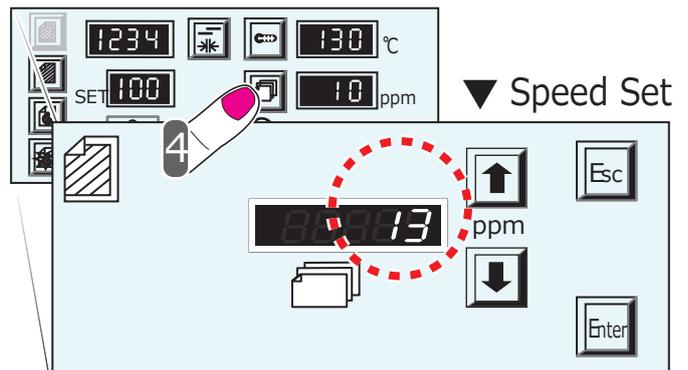
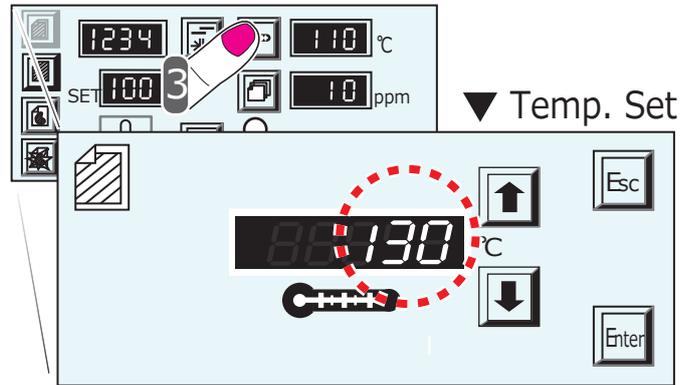
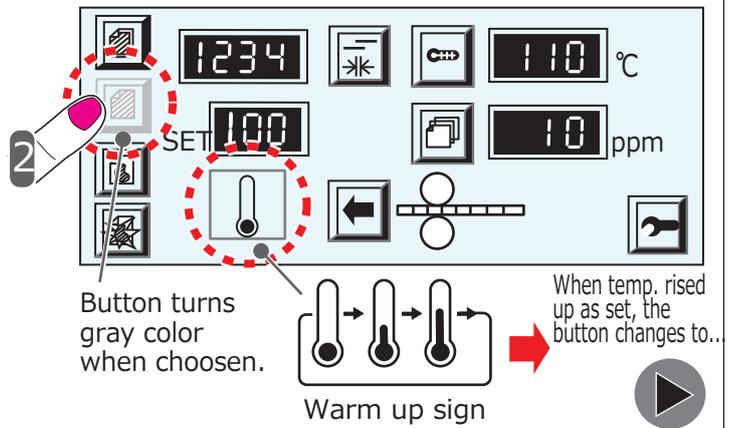
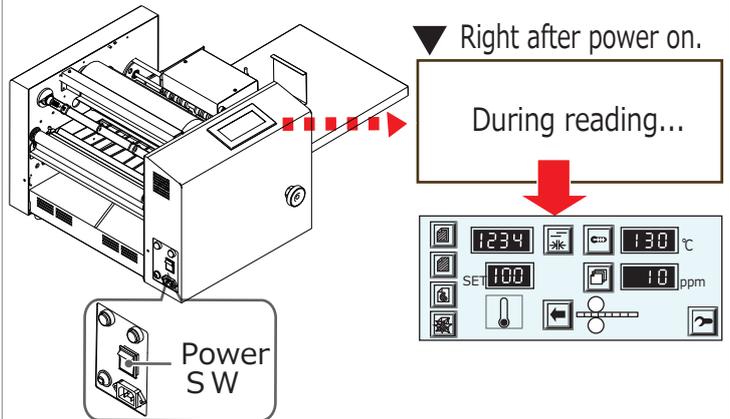
Note Suitable temp. for genuine brand film is set automatically when you chose the icon. Please skip this step if the set temp. is okay.

3 Push= Set Temp.
"Temp Set" screen comes up. Change the temp as suitable by up-down arrows buttons, and push "Enter" button when set. Then the set temp. is recorded and Home screen comes up.

Possible set value: 60~160°C (except Laminate)

Note Suitable speed for genuine brand film is set automatically when you chose the icon. Please skip this step if the set speed is okay.

4 Push= Set Speed
"Speed Set" screen comes up. Change the speed by up-down arrows buttons, and push "Enter" button when set. Then the set speed is recorded and Home screen comes up.
Available set speed= 5~30 ppm.

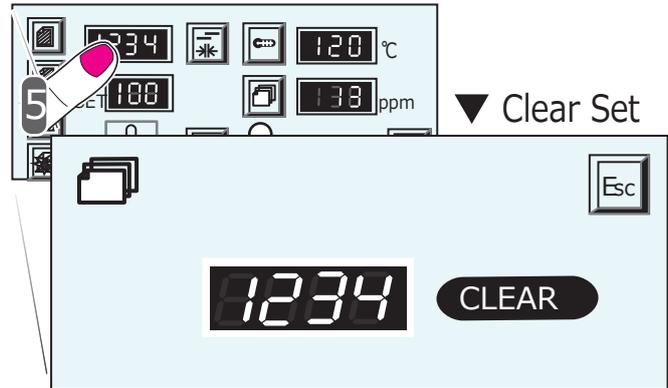


C.3 Dry/Spot/Foil Coat

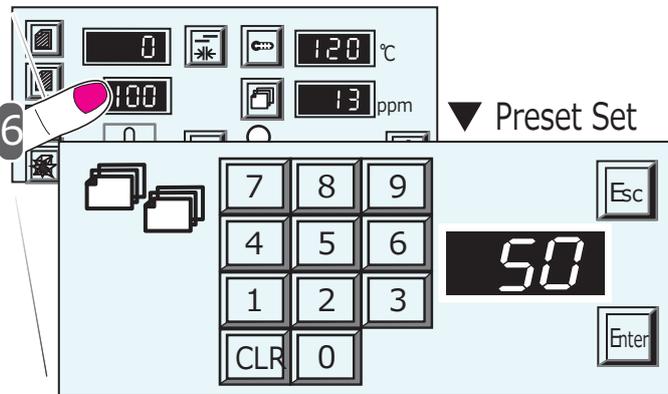
3-2:Touch Panel

5 **1234** Push= Clear counter number
 "Clear Set" screen comes up.
 Push **CLEAR** button, then the number will be "0".
 Push "Esc" button and Home screen comes up.

Note Unnecessary to clear the conter if you don't use.



6 **100** Push= Set Preset number
 "Preset Set" screen comes up. Change the number by number buttons, and push "Enter" button when set. Then the set value is recorded and Home screen comes up.
 [Preset]
 Sheets are operated as preset value and pause when set value is done. Start again when push "Start" button (repeat).



C.3 Dry/Spot/Foil Coat

3-3:Film Set

Dry Coating, Foiling and Spot Gloss process are all similar. This manual explains as in case of Dry Coating function. Please check the ribbon set, suitable temp. and speed for each function.

1 Remove Dust Remover Roller

Remove the Dust Remover Roller for smoothly Film Set.

- ① Lever up.
- ② Press in the direction of the arrow to shrink the spring.
- ③ The opposite side is disengaged from the bearing, so slide it in the direction of the arrow and pull it out.

2 Multipul Shaft: Un-wind Shaft

Remove the Un-wind Shaft from the machine.

3 Set the ribbon on Un-wind Shaft

- ① Loosen the Multipul Shaft Screw.
- ② Set the ribbon roll on the center of shaft (*).
- ③ Tighten the Multipul Shaft Screw and fix the paper core of ribbon roll.

Make sure that the glue surface is on top when set.

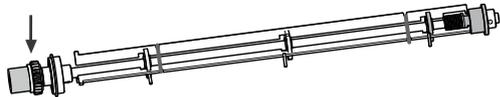
*  Set direction is different depending on the glue side, face-up or face-down. Ref. right picture.

4 Set the Unwinder Shaft on the machine

2 holes on Unwinder Shaft fit to the 2 screws on the main body. Another side of Unwinder Shaft is set on the U shape channel on non-operator side.

5 Multipul Shaft: Re-wind Shaft

Remove the Rewinder Multipul Shaft from the machine. Re-wind Shaft has a gear on the shaft.

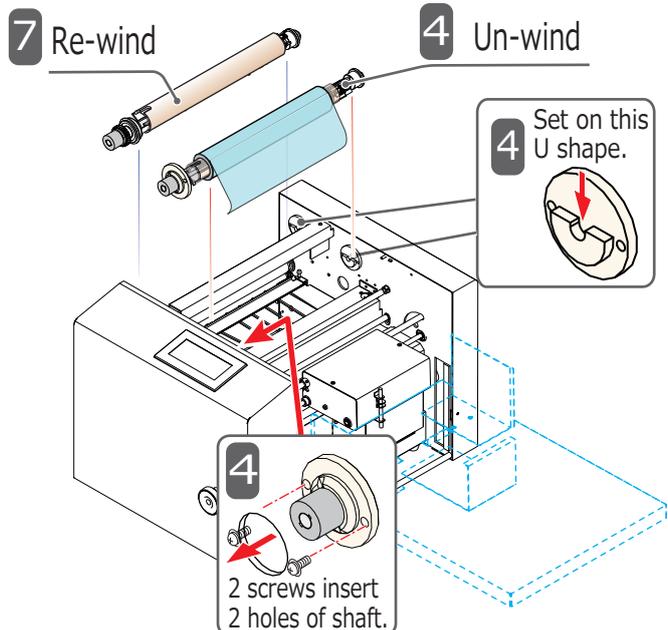
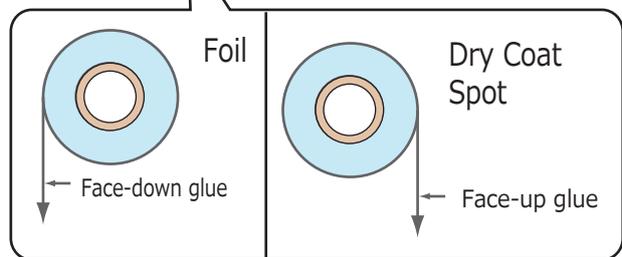
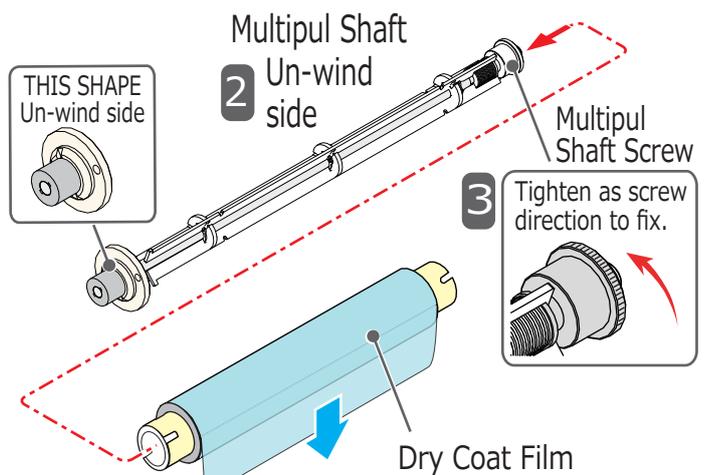
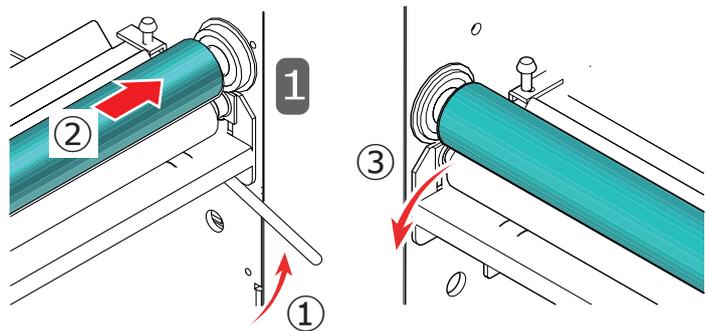


6 Set the Paper Core on Rewinder Shaft

Set the Paper Core (rewind the used ribbon) on the center of Rewinder Shaft. Tighten by Multipul Shaft Screw and fix.

7 Set the Rewinder Shaft on the machine

Insert the gear side of shaft into the hole on the plate on operator side. Set as the gears engage together. Another side of Rewinder Shaft is set on the U shape channel on non-operator side.



C.3 Dry/Spot/Foil Coat

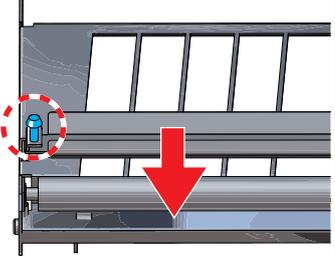
8 Set Separation Bar
 There are 2 types of Separation Bar. Need to replace depending on film type.

8	For Foil	For Dry Coat / Spot Gloss
	Set this parts when operate the foil film	Set this parts when operate Dry Coat film and Spot Gloss film.
		

9 Unwind Film
 Pull and unwind the film. This length is needed for insert the film into the machine by Set Plate.

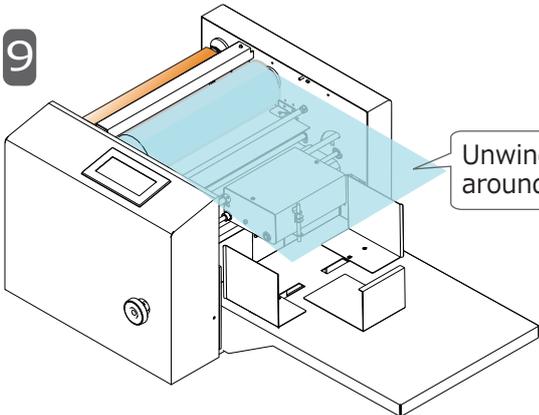
Separation Bar set

Loosen the red circled parts on right figure (another side too), and pull this parts to the arrowed direction to remove. Install in the reverse order.



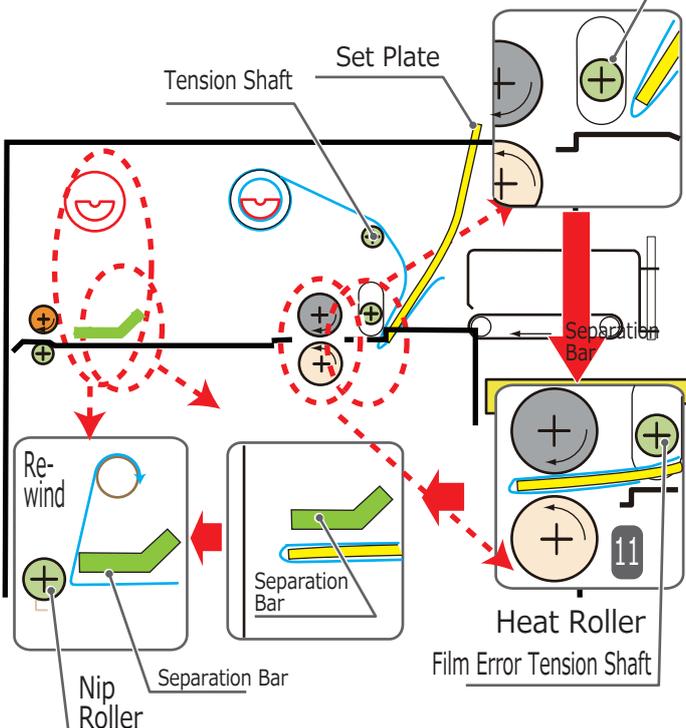
10 Ready Set Plate
 To push the film through machine to exit.

9



Unwind the film around this area.

11 Insert Set Plate
 Slack the film and push it between Air Suction BOX and Film Error Tension Shaft by Set Plate. Push the film until the film goes to the **Heat Roller**. If you push it in several times, the film will become more smooth to be inserted.



Film Error Tension Shaft

Tension Shaft Set Plate

Separation Bar

Heat Roller
Film Error Tension Shaft

Re-wind

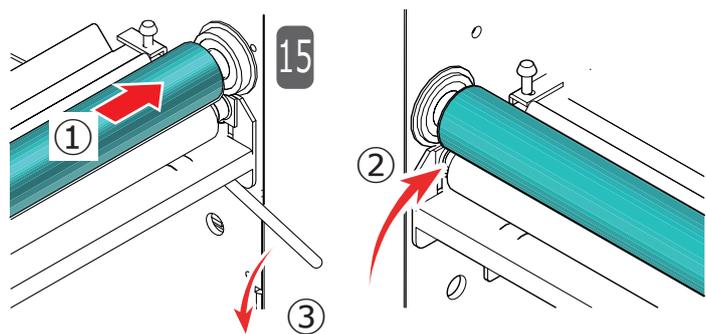
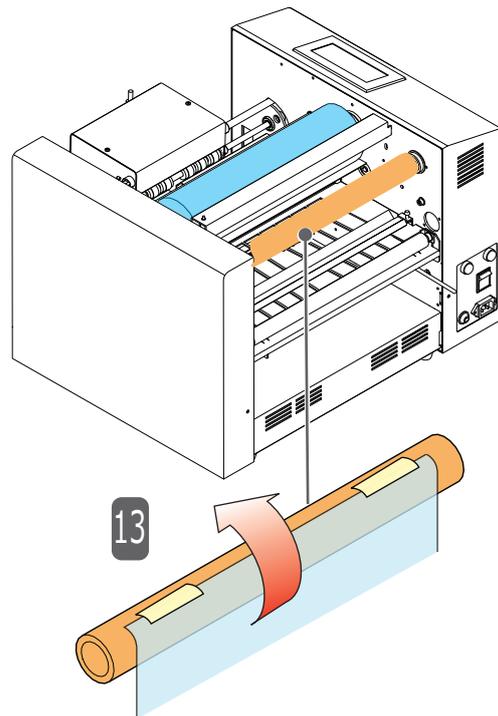
Nip Roller Separation Bar

12 Push further more
 Push the film futhre more by Set Plate. Remove the Set Plate when the film reached the Separation Bar.

13 **Tape Ribbon top on Paper Core**
 Tape the top of ribbon on the Paper Core of Re-wind shaft by scotch tape. Wind the ribbon more than 1 around the Paper Core.

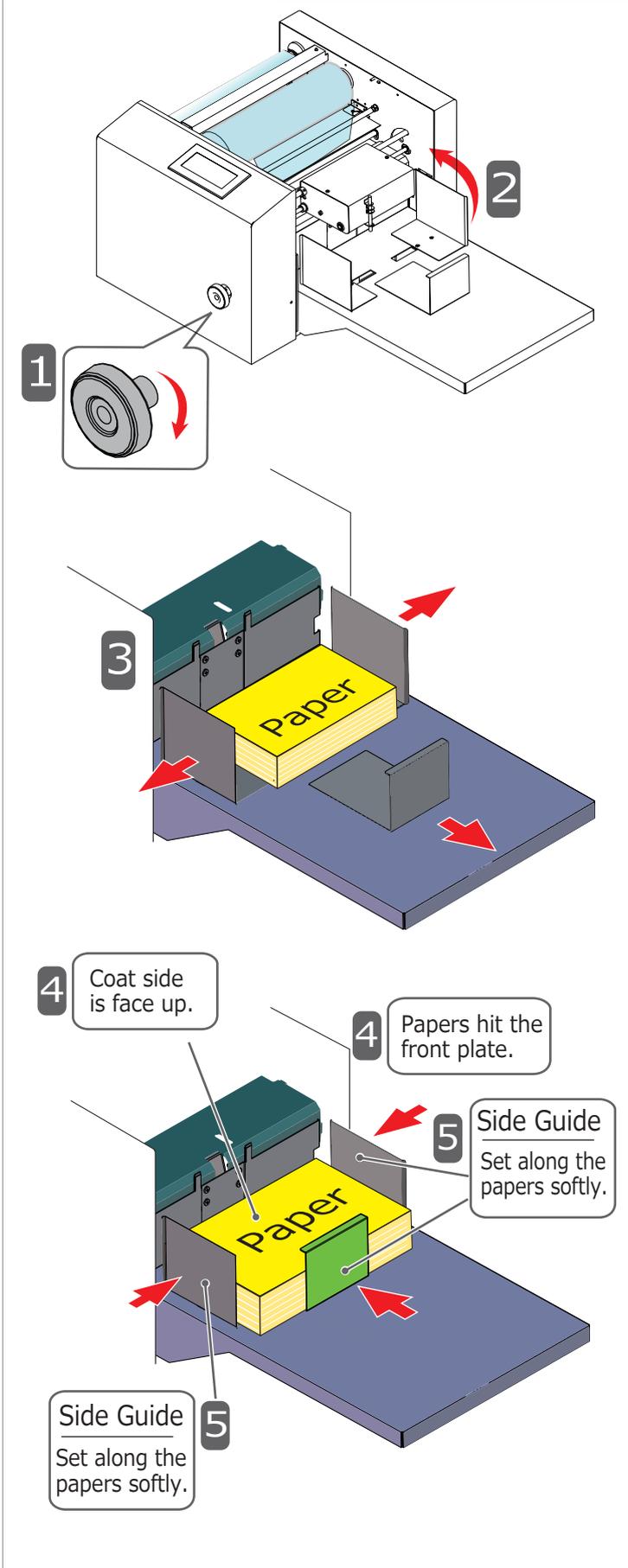
14 **Stretch Film**
 Re-wind the un-winded film by step.9 to the Un-wind Shaft by hand. This remove the sagged film.

15 **Set Dust Remover Roller**
 Set the Dust Remover Roller that was removed at step.
 ① Press in the direction of the arrow to shrink the spring.
 ② The opposite side is disengaged from the bearing, so slide it in the direction of the arrow and pull it out.
 ③ Lever down.



- 1 Feed Tray at lowest position**
 Turn the Handle and make the Feed Tray at the lowest position for paper loading.
- 2 Flip up the Air Suction BOX**
 Flip up the Air Suction BOX for smoothly paper loading at the next step.
- 3 Open the Side Guides**
 Open the Side Guides and End Guide for paper loading on next step.
- 4 Load the papers** max loading
80mm
 ① Separate well the papers.
 ② Load the paper as face up.
 ③ Set as right picture (shows as A4 size)
 ④ Set the papers as center position.
 ⑤ Papers hit the front plate.
 A4 Paper loading= max 80mm
 A3 Paper loading= max 40mm
 [Note] Separate well the papers and insert the air between sheets. This prevent the double feeding issue. (Ref. 「1-3」)
- 5 Set the Guides**
 Set the Side Guides and End Guide along the paper sides softly.

Caution Do not push strongly. Do not push the papers by guides strongly or paper feeding cannot be operated smoothly.
- 6 Flip down the Air Suction BOX**
 [Note] Unnecessary to lift down the Feed Tray after flip down the Air Suction BOX at original position. The height adjustment for air suction feeding will be adjusted automatically when push start button.

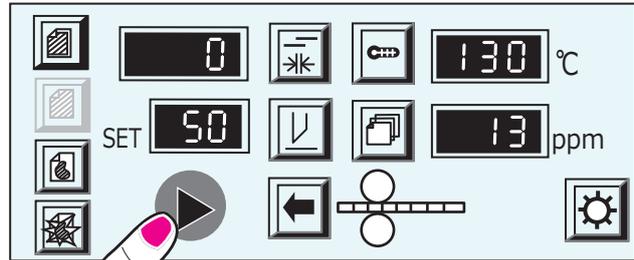


7 **Check the Temperature**
 [Thermometer icon] icon on Home screen changed to [Play icon] icon.
 This shows the heater temp. reaches the set temp. Please wait until the start button comes up for a while.

8 **Push Start button**
 Push Start button, then the Feed Tray is lifted up and the air blows to separate the papers from front.
 Paper is not fed yet at the time.

9 **Push Start button again**
 Push Start button one more time, then the paper is sucked up to the Air Suction BOX and start feeding. The touch panel screen changes to "Auto operation screen".
 When use the preset function, the machine stops automatically by set quantity.
 Feeding starts again when push Start button again.

▼ Home Screen

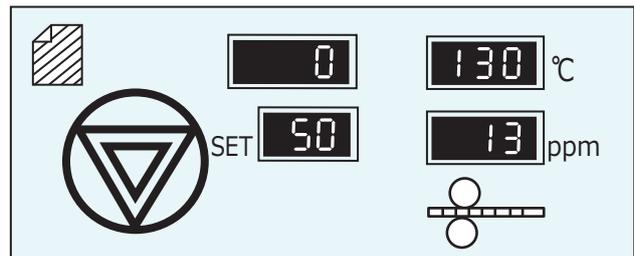


Start button

9 ^{Push} Start button → Feed Tray lifts up → Air Blow starts.

10 ^{Push again} Start button → Feeding starts → icon changes to [Inverted Triangle icon]

▼ Auto Operate screen



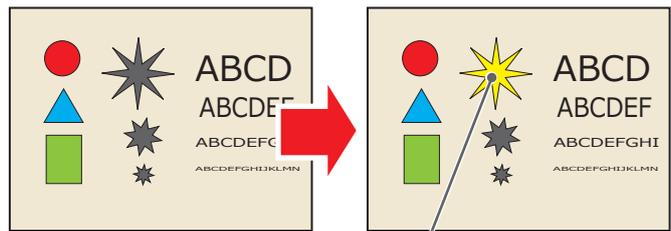
C.3 Dry/Spot/Foil Coat

3-8:Hand Feed

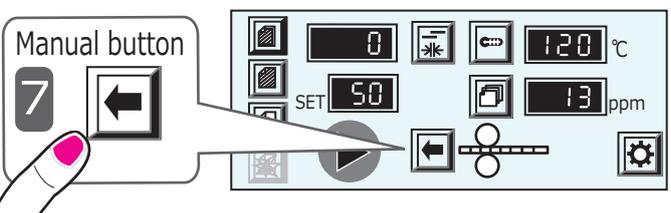
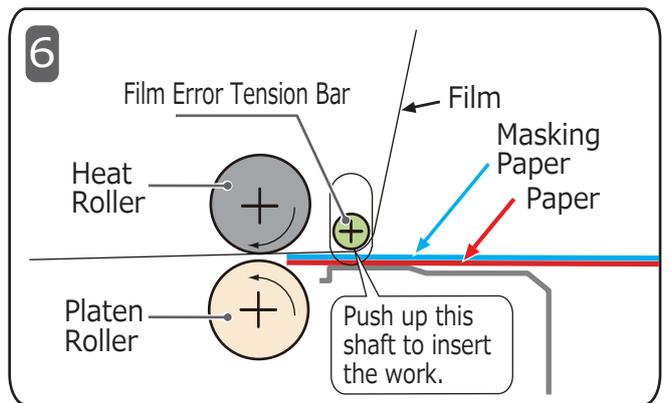
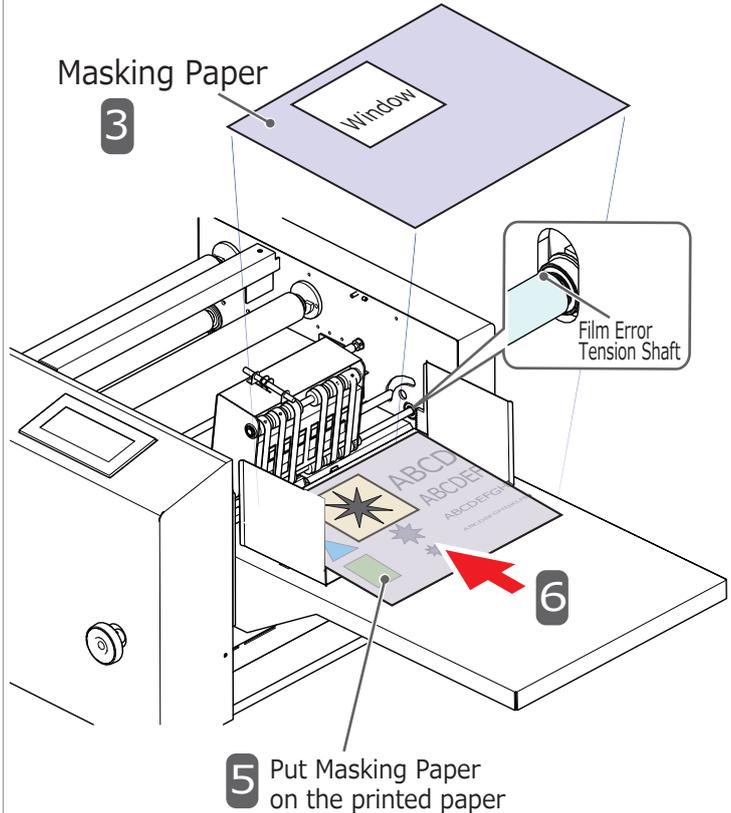
Foil only one part of the printed paper. Make the masking paper that has hollowed out only that part. Double with printed paper and process one by one by hand feed. This section explains this.

- 1 Set Touch Panel**
Refer 「3-1」 and set.
- 2 Film Set**
Refer 「3-2」 and set.
- 3 Make Masking Paper**
Use same size Masking Paper as printed paper. Hollow up the part on the Masking Paper that is going to foil. Make some same Masking Paper for smoothly process.
- 4 Flip Up the Air Suction BOX**
Flip up the Air Suction BOX for smoothly paper loading at the next step.
- 5 Stack Up Masking Paper and Paper**
Make some sets as printed paper and Masking Paper as 1 set.
- 6 Hand Feed**
Push up the third bar through which the film passes through the end of the set of paper, and insert it by hand until it touches the heat roller lightly.
- 7 Press Manual Feed Button** 
- 8 Press Manual Feed Button again**
Push Manual Feed Button again to stop feeding.
- 9 Remove Masking Paper**
Remove Masking Paper from printing paper. This Mask paper can be used again.

Caution  There is no manual feed mode in the sense that there is also the above usage for manual feed work.



(Example) Foil on this part only.

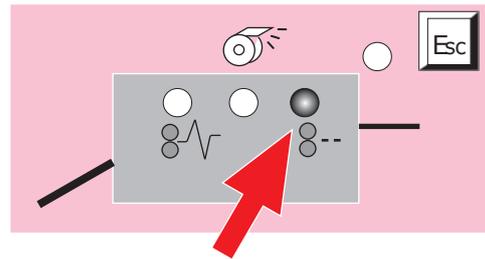


C.4 Troubleshooting

4-1: Paper is not fed

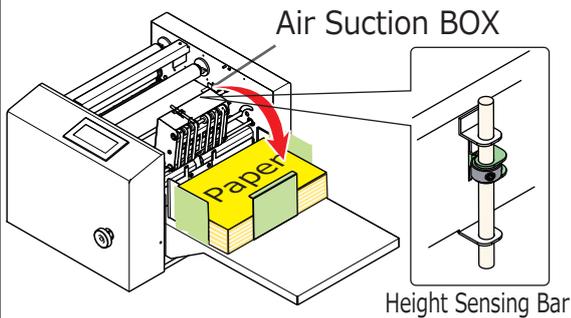
[Situation]
Loaded paper cannot be fed at all even if push the Start button. The error screen (on right picture) shows up.

Check the below steps and remove the issues for feeding error. The error screen can be closed when push 「Esc」 button.



Error screen shows up and this circle turns white color.

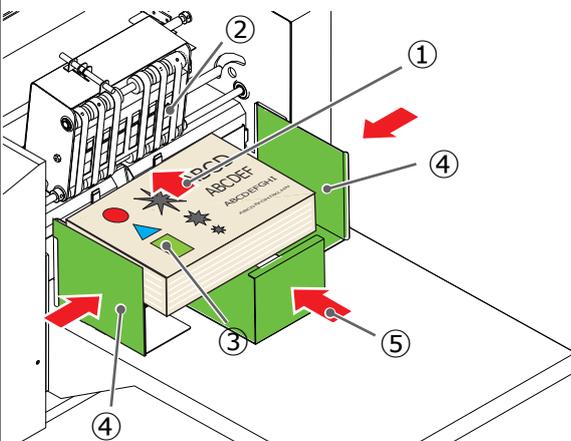
Did you flip down the Air Suction BOX?



- Refer the left picture and check the following points.
 - Is the Air Suction BOX is at the lowest position?
→ Air Suction BOX must be parallel position with paper surface or paper cannot be fed correctly. Set at lowest position.
 - Is the loading paper less than 80mm depth?
→ Loading capacity is up to 80mm.
 - Is the paper caught by the Height Sensing Bar on the way?
→ Paper cannot be sucked if the Height Sensing Bar doesn't touch the paper surface correctly. Check the bar if it can be lift up and down smoothly by fingers.

Is the paper loading corect?

In order to make it easy to understand it is shown with the suction BOX raised.



- Refer the left picture and check the following points.
 - ① Do the loaded papers touch the front plate softly? (no gap)
 - ② Is the Air Suction BOX is at the lowest position?
 - ③ [Laminate use]: Side Guide on operator side hits this Stopper?
 - [Other supplies]: Papers are set on the center position?
 - ④ Doesn't the Side Guide on non-operator side hit the loaded papers too strong?
 - ⑤ Doesn't the End Guide hit the loaded papers too strong?
 - Don't the papers curl too bad?
 - Did you separate the paper well before operation?

Check the following points.

- Does air blow come out?
- Does the Air suction work?
- Do the Feeding Belts turn?
- Is there a jammed papers in the machine?
- Did you replace the Separation Rubber Assy?

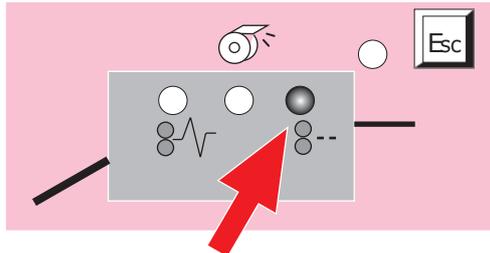
- Please contact the dealer if there is a problem with the check below.
 - Check if the loaded papers are separated by air blow from the front.
 - Check if the top paper is sucked to the Air Suction BOX correctly.
 - Check if the all belts in Air Suction BOX turn when paper is fed to forward.
 - The machine cannot start to operate if a paper is left in the machine. Remove the jammed paper.
 - Paper cannot be fed if the Separation Rubber is adjusted at too high position. Adjust the height.

C.4 Troubleshooting

4-2: Miss Feed

[Situation]
Possible to feed, but the feeding error happens often.

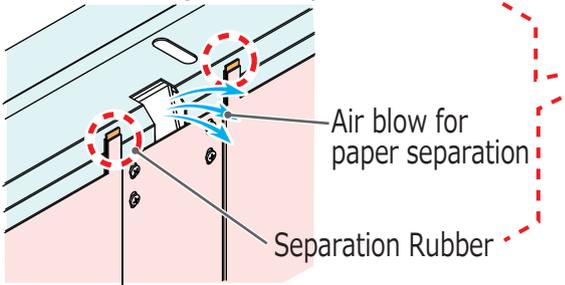
Check the below steps and remove the issues for miss feeding error. The error screen can be closed when push 「Esc」 button.



Error screen shows up and this circle turns white color.

Is the height of Separation Rubber correct?

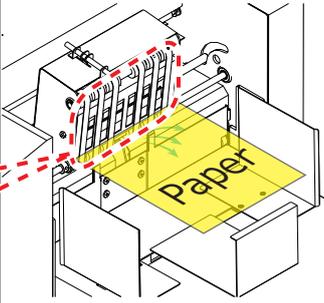
Separation Rubber position is too high
→ miss feeding happens.
Separation Rubber position is too low
→ double feeding happens.
Correct position: Top of Separation Rubber need to touch the feeding belts softly.



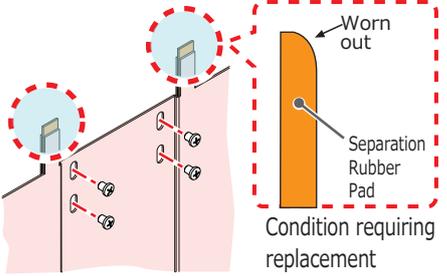
■ Refer the below picture and check the height.

How to check the height of Separation Rubber

- Flip up the Air Suction BOX.
 - Put the thin paper (0.12mm) on the Separation Rubber Pad.
 - Flip down the Air Suction BOX at the original position.
- The Separation Rubber Pad touches correctly if the paper has a bit load (stress) when you pull the paper.



Is the Pad worn out?



■ Refer the left picture and check the following points.

- The top of the Separation Rubber pad worn out
→ Double feeding happens.
- Separation Rubber is consumable parts. Please replace if the top of rubbers worn out like as right picture.
- Separation Rubber Pad is bonded on the metal plate. Impossible to replace only rubber part.

Is your paper size is covered by spec?

■ A4 size is minimum size for Laminate use.

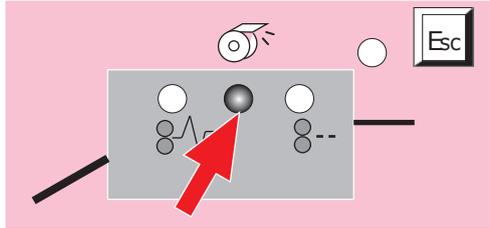
C.4 Troubleshooting

4-3:Jam around Heat Roller

[Situation]
Paper cannot pass through the Heat section (between Heat Roller and Platen Roller) correctly.

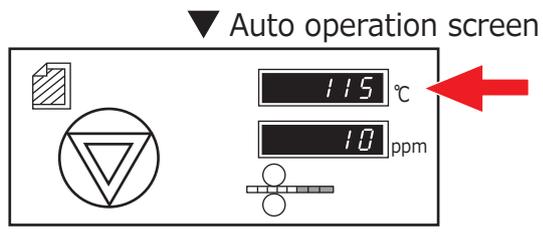
Check the below steps and remove the issues. The error screen can be closed when push [Esc.] button.

Caution  **Do not pull the film strongly**
Do not pull the film strongly from exit side even if the paper jams around Heat Roller, or winded film around Heat Roller may hit and break the thermistors on Heat Roller.



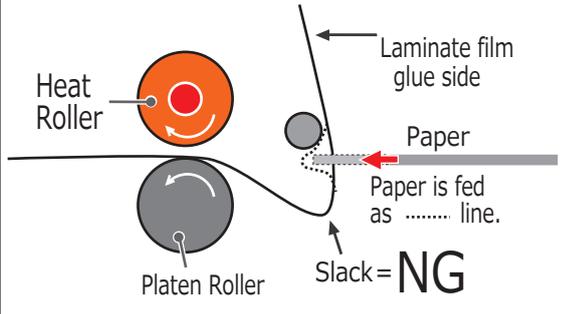
Error screen shows up and this circle turns white color.

Is the set temperature too high?



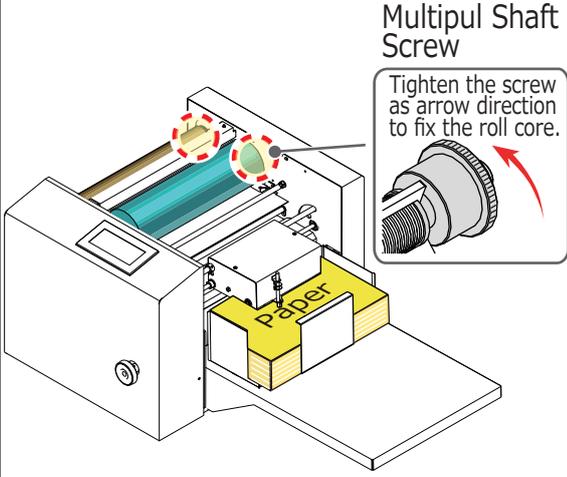
Suitable heater temperature is depending on the paper thickness, paper type, film thickness, feeding speed, tonner type and other reasons. However if the setting temperature is too high, the hot melt glue attaches around rollers and work guides easily. Turn down 5~10 degreeC and try.

[Laminate use] Is the film set correct?



- Check the notes before set the film.
- There is no slack after set the Laminate film on unwind side. → If there is slack in front of the Heat Roller (NG mark area), the fed paper comes into the wrong position and cannot be fed between rollers correctly.
- Start operation without spending time after set the film. → Hot melt glue is melted around Heat Roller area and it attaches around Platen Roller, Work Guides and other parts easily if the film is left for long time around Heat section. This makes paper jam issue.

[Other supply] Is the Multipul Shaft set correct?



- Check the set of Multipul Shaft.
- The used ribbon cannot be rewinded on paper roll if the paper core is not fixed tightly. Try to turn the paper core by hand (both of Unwind side and Rewind side) If slips, refer the left picture and tighten the Multipul Shaft Screw to fix correctly.

C.4 Troubleshooting

4-4: Cannot Laminate/Coat

[Situation]
Cannot laminate and/or coat beautifully.
Quality trouble.



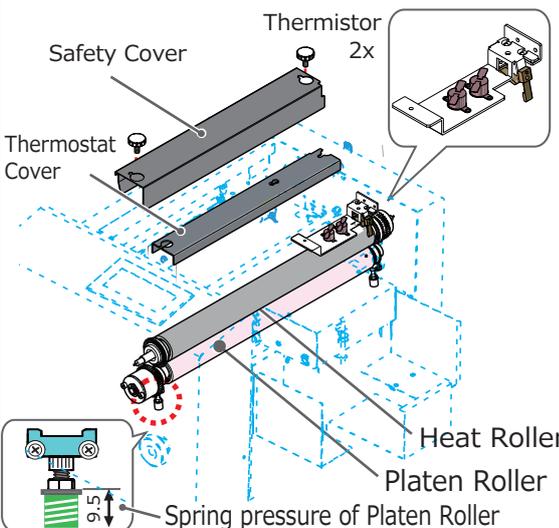
Do not rotate the Heat Roller

There are 2 Thermistors that sensing temperature on the Heat Roller. The top of Thermistor is pressed to fix on Heat Roller. Therefore these Thermistors can get damage (break) if the Heat Roller rotates oposite direction. No problem to rotate very slowly and carefully.

Do not use hard tool for roller cleaning

The dirt on Heat Roller is really tough to clean up because it is melted and sticked on the Heat Roller hardly. However do not use hard tool like cutter blade to remove these dirt, or the Heat Roller get damage and need to replace.

Aren't the Heat Roller/Platen Roller dirt?



■ Refer left picture and check the following points.

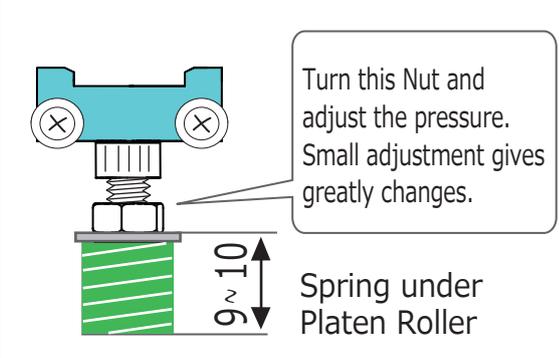
Heat Roller/Platen Roller are easy to get the dirt (adhesive) from films. Particularly in the case of foiling proces such as gold foil and silver foil, a small foil piece sticks on the roller and that part is not coated.

Also, if you use an optional Edge Cutter in lamination processing, the lint-shaped end will drop and it will be more likely to adhere to the roller. There is no other way to remove these dirt soaked with water and patently remove it. The platen roller is white, so dirt is less conspicuous. Please touch directly with your fingers to check the adhesion.



Caution Turn off the machine and wait until to be cool down enough before cleaning the rollers. There is a risk of burns.

Is the pressure of Platen Roller correct?



■ Refer left picture and measure the length.

Pressure adjustment of this Spring adjust the pressure level between Heat Roller and Platen Roller. Initial set: 9~10mm

Contact with service company to adjust the below

POINT Check differences between both sides

【Caution】 Attention caught

Use narrow paper and insert it between rollers. Push the Manual Feed button , then the rollers feed the paper. Check the pull level and the pull power is equal on both sides.

下記の表に示す項目をチェックしてください。

- Is the paper thickness within spec?
- Is the Heat temp. correct?
- Do you use special supplies?
(Laminate Film or other supplies?)

→ Specification is 110~350gsm (0.12~0.4mm)

→ Quality level and condition is depending on not only Heat temp., but also paper thickness, supply thickness, speed and tonner type.

→ Genuine films/ribbons are supplied with enough test. However please but please use the supplies which are not genuine after performing sufficient test with user's responsibility.

C.4 Troubleshooting

4-5: Jam around Exit Section

[Situation]

Paper jams around the exit section of the machine.

Cause of jam troubles around exit section are not around exit section. Most cause of jam is the film adhesive trouble that adhere around the rollers and the guides.



Do not rush to remove the papers quickly when trouble happens around cutter section. Necessary to observe carefully and find out the real cause of trouble.



Warning

Do not pull the film strongly

Do not pull the film strongly from exit side even if the paper jams around Heat Roller, or winded film around Heat Roller may hit and break the thermistors on Heat Roller.

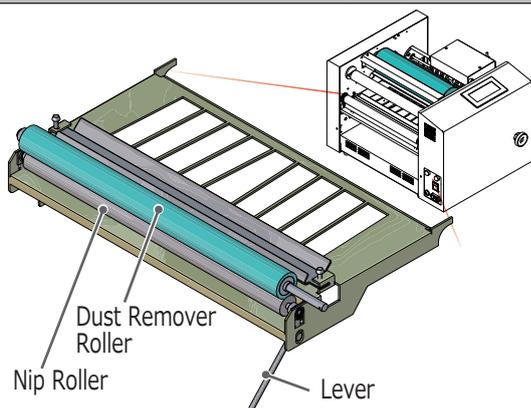
Does film adhere to parts in the machine?

Hold the jamed paper by both hands and pull it out from the machine very slowly. If the jamed paper cannot be pull our smoothly, the film adhesive may adhere to any parts inside the machine.

■ **Measurement in case of adhesion.**

Remove the film by hand before clear the error screen. The film adhesive may still stay on the Heat Roller, Platen Rollers, Cutter Table and gudes. Use alcohol and remove it by waste cloth.

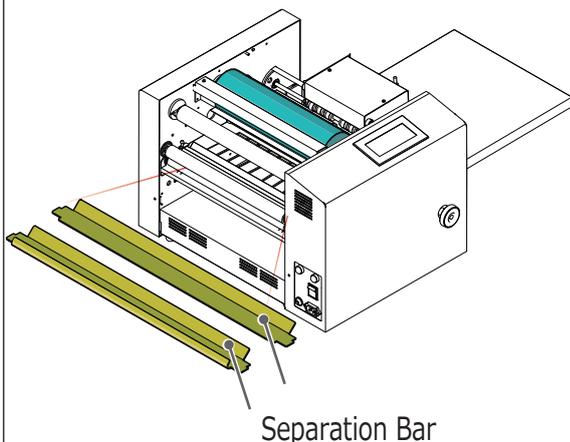
Is the Lever at the lower position?



■ **Refer left picture and check the lever position.**

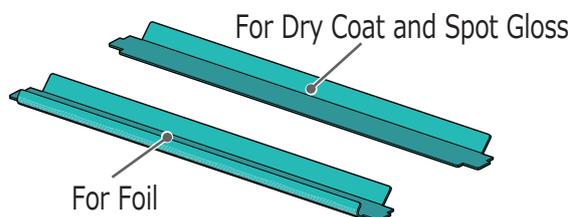
When the lever is lowered all the way down, the "nip roller" pushes the coated paper against the dust removal roller and feeds the paper to the exit side. Especially in the case of laminating, only the nip roller and dust removal roller discharge the paper. If the two are not in contact with each other, looseness may occur in the discharge section and clogging may occur.

Is the Separation Bar correct?



■ **Set item is different depending on the film type.**

Use them properly according to the type of film used for processing. Refer to "3-2-2" for the installation method.



Foil use

Cross section



Dry Coat / Spot Gloss use

Cross section



C.5 Maintenance

5-1: Daily Maintenance

Most maintenance is cleaning of the rollers and guides that got dust and dirt. Daily maintenance is very important for keeping the quality. Need frequent cleaning.



The dirt on Heat Roller is really tough to clean up because it is melted and stuck on the Heat Roller hardly. However do not use hard tool like cutter blade to remove these dirt, or the Heat Roller get damage and need to replace.

Location	Cleaning Parts	Notes
<div data-bbox="183 454 539 562" data-label="Text"> <p> Turn OFF the power Please wait until Heat Roller is cool down. Caution</p> </div> <div data-bbox="204 577 517 689" data-label="Text"> <p>Remove Multipul Shafts and Safety Cover for easier access.</p> </div> <div data-bbox="165 712 550 1668" data-label="Image"> </div>	<div data-bbox="566 454 938 719" data-label="Image"> </div> <div data-bbox="566 734 938 999" data-label="Image"> </div> <div data-bbox="566 1014 938 1223" data-label="Image"> </div> <div data-bbox="566 1261 938 1514" data-label="Image"> </div> <div data-bbox="566 1552 938 1783" data-label="Image"> </div>	<div data-bbox="962 454 1465 510" data-label="Text"> <p> Becomes hot after operation</p> </div> <div data-bbox="962 517 1465 719" data-label="Text"> <p>This cover protects the rollers from dust and paper dusts. This cover protect from the film dusts especially when use the Edge Cutter that cut the film width. Clean up when the cover gets dirt and dust.</p> </div> <div data-bbox="962 741 1465 819" data-label="Text"> <p> Becomes hot after operation Do not damage the roller</p> </div> <div data-bbox="962 842 1465 976" data-label="Text"> <p>This roller is made by rubber, therefore easy to get damage. Please attention to wipe off with the cloth impregnated with water or alcohol.</p> </div> <div data-bbox="962 1010 1465 1088" data-label="Text"> <p> Becomes hot after operation Do not damage the roller</p> </div> <div data-bbox="962 1111 1465 1234" data-label="Text"> <p>Wipe off the dirt on the roller with the cloth impregnated with water or alcohol. Clear dirt is hard to be found, so check by fingers if the roller is cleaned and smooth.</p> </div> <div data-bbox="962 1261 1465 1491" data-label="Text"> <p>This Separation Bar touches films strongly. Wipe off with the cloth impregnated with water or alcohol when this bar gets dirt. Also the arrowed area has Release Tape. Please contact to your dealer to get the new tape to replace if it peels off.</p> </div> <div data-bbox="962 1552 1465 1783" data-label="Text"> <p>This roller gets dust and dirt after foiling. Please clean up this roller every after operation. Transfuse water or alcohol on dustcloth and wipe off the dirt. Touch to check if the roller is smooth and all dust and dirt are removed.</p> </div>

C.5 Maintenance

5-2: Work Guide Set

Explain how to attach and remove the Work Guide on this section. Removing the Work Guide makes it easier to reach the roller during maintenance or when the film has stuck to the roller and you want to clean it.

1 Remove Dust Remover Roller

Refer "3-3 Film Set" of this manual to remove the Dust Remover Roller.

2 Lever Up

Make the Lever at upper position.

3 Loosen Thumb Screw

Loosen the Thumb Screw that is underneath of Work Guide. (Unnecessary to remove.)

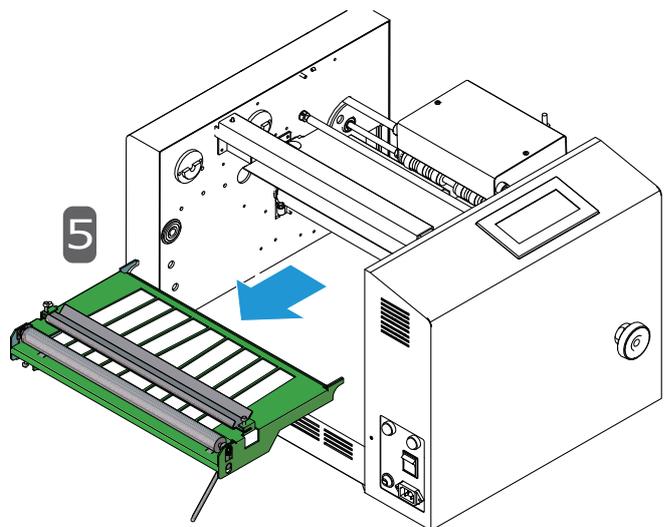
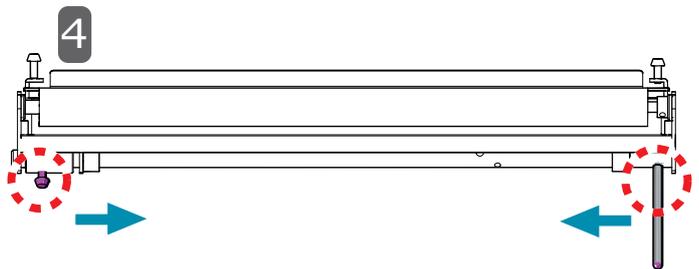
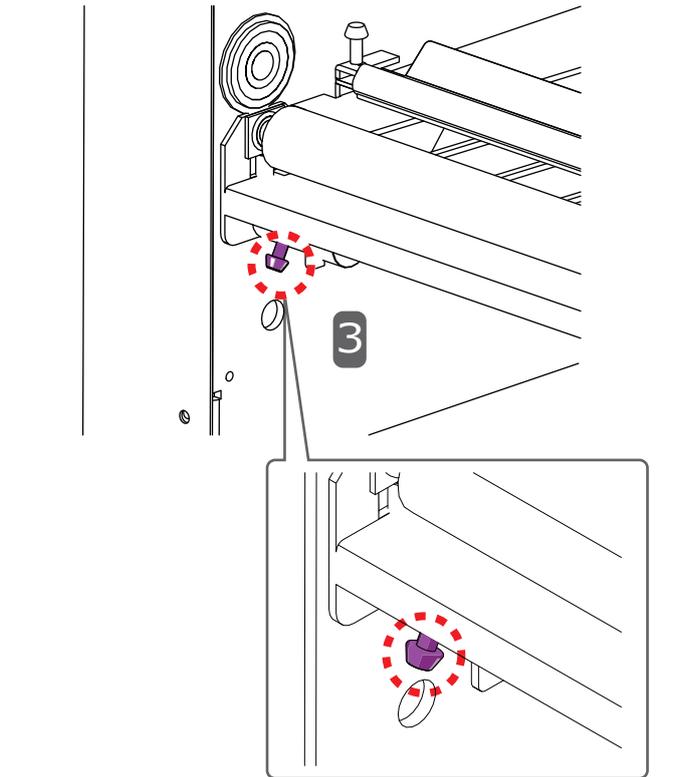
4 Remove Bar

Hold the screw and lever as shown in the right figure and pull it inward to remove the shaft inserted in the machine body.

In this state, the work guide can be removed from the main unit.

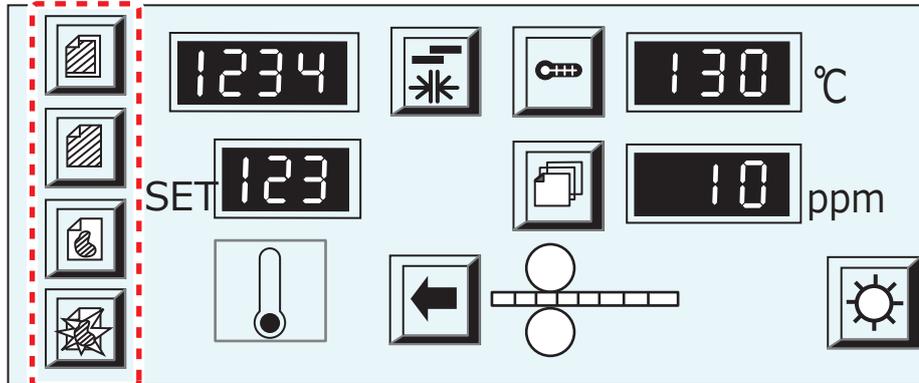
5 Remove Work Guide

Pull out the work guide carefully.
If you try to remove it by tilting it, it may get caught inside the body, it makes very difficult to remove.

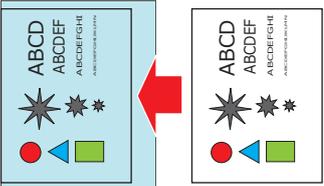
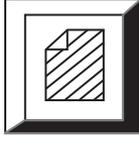
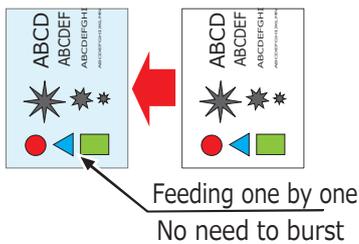
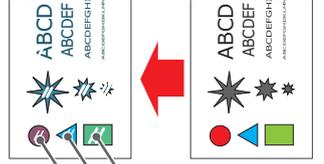
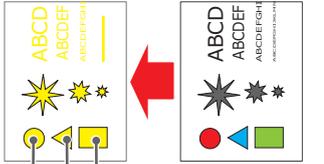


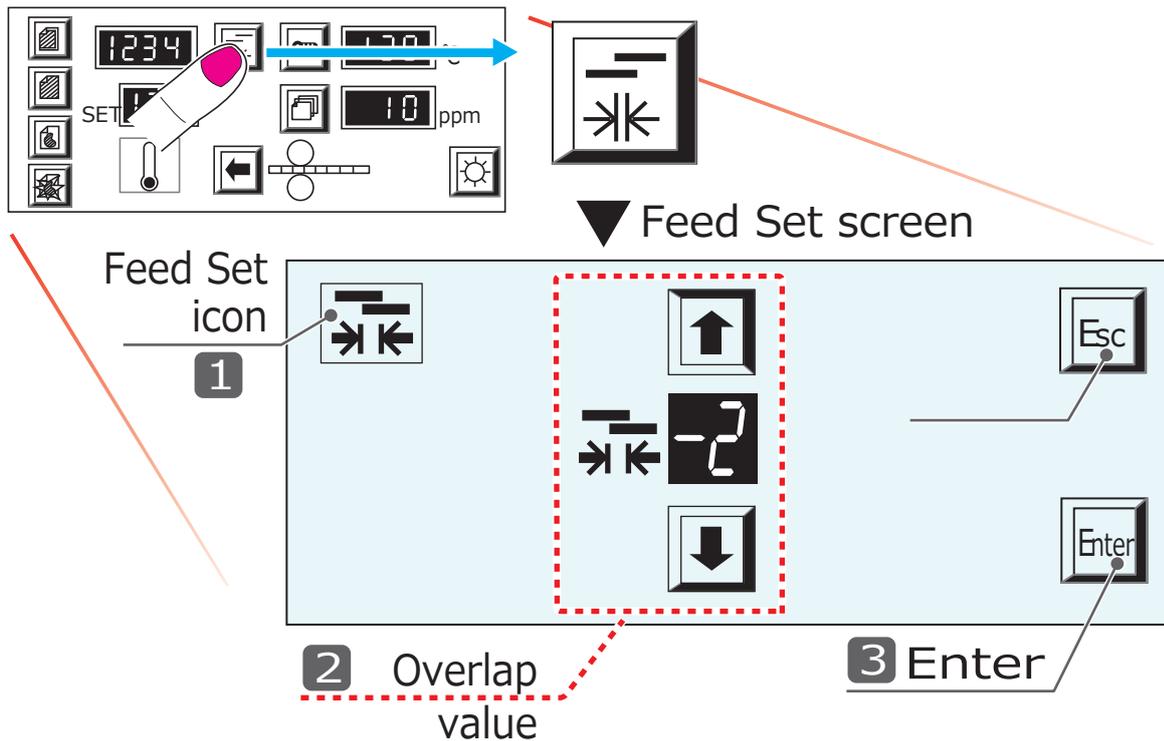
Pull slowly while keeping parallel

▼ Home Screen



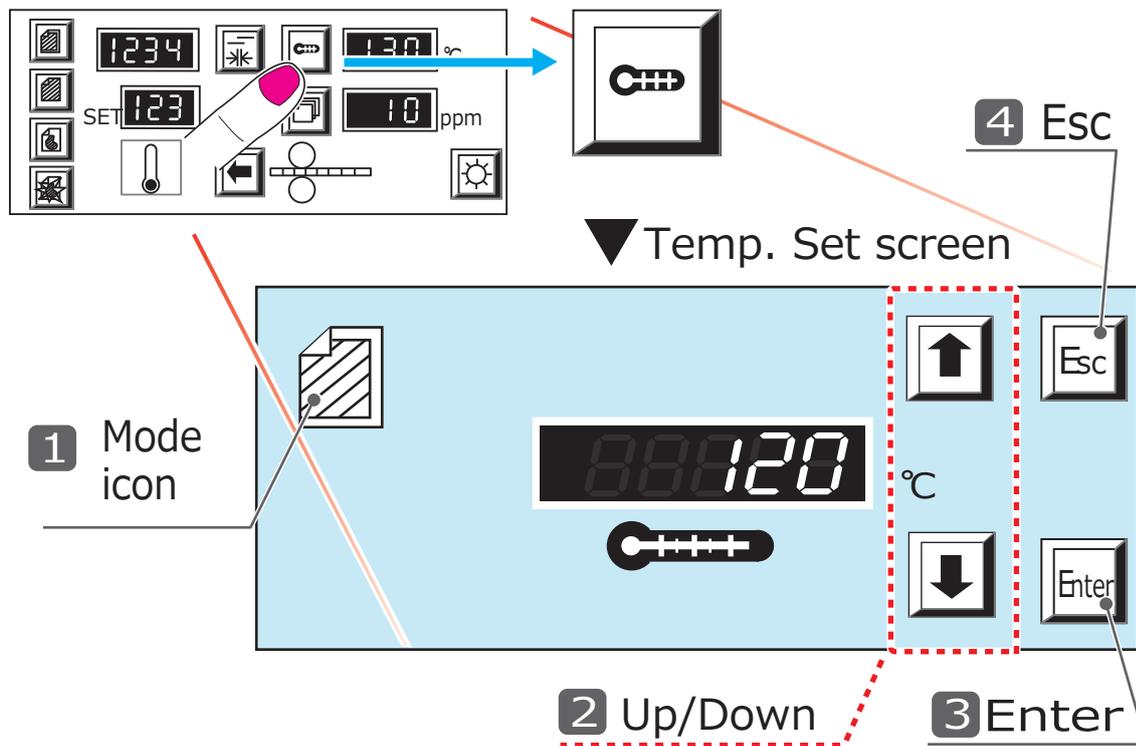
Mode select (Change to be gray color which you select)

Mode Type	After ← Before	Feature	Film Type
			Basic Temp. Basic Speed
1  Whole laminate except front side	 3 side trim is necessary Tiny Slit here	Cover the film on whole paper except front side. Make strong layer on the paper and protect the printing image. Burst by hand and 3 side trimming is necessary.	Laminate Film
			100~120°C
			10PPM
2  Coating whole sheet	 Feeding one by one No need to burst	Coat by thin layer on whole paper. Make shiny and luxury effect on the paper. Protect the printing image.	Dry Coat Ribbon
			130~150°C
			10PPM
3  Coating only toner printed area	 Only on toner printed area is coated by gloss layer.	Make gloss effect only on toner printed area. Put the gloss coat material and make gloss and luxury effect on the paper.	Image Coat Film
			110~130°C
			Caution No more 130°C, or film may be melted. Set up to 130°C 15PPM
4  Foiling only toner printed area	 Only on toner printed area is coated by foil	Put Gold, Silver and other color foils material only on toner printed area. Make luxury effect.	Foil
			115~135°C
			10PPM



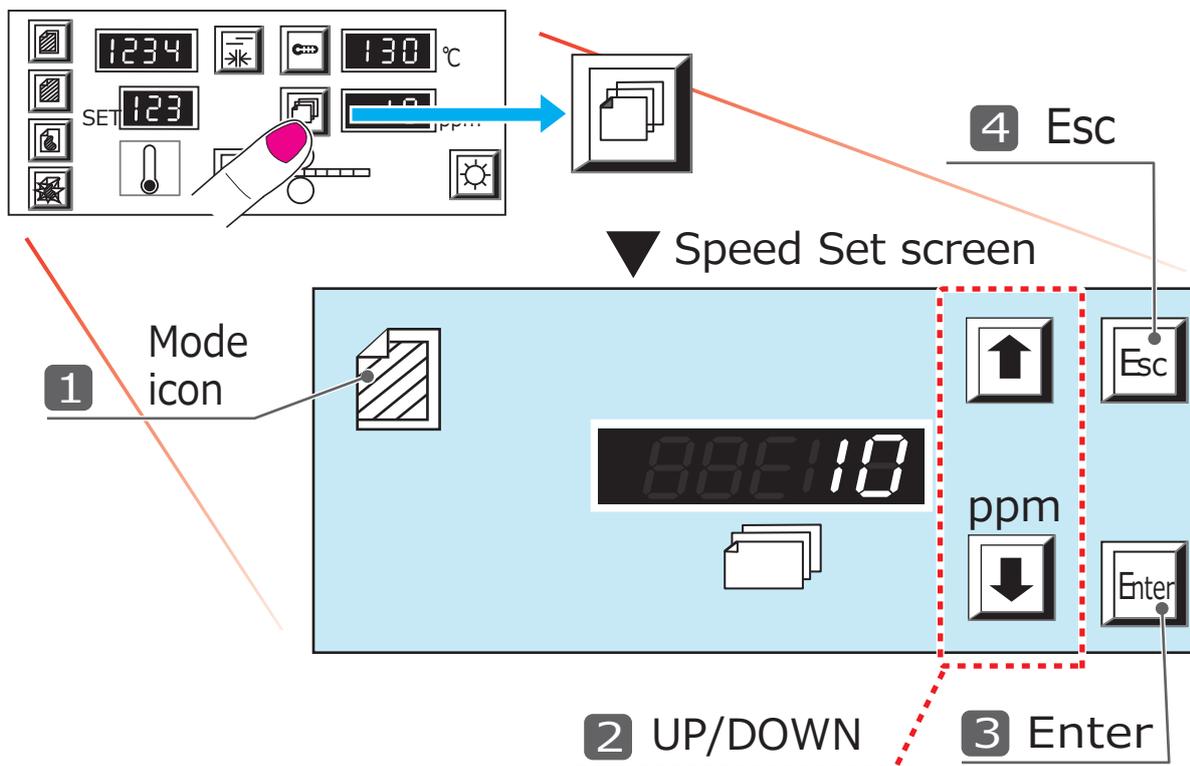
Icon	Set	Explanation
1 	This icon images paper overlap.	"Feeding Set screen" comes up when push this icon on Home screen. Set the overlap value on this setting screen.
2 	Overlap value set	Change the value for overlap width (change the feed timing). 11 steps from "5"~-5". (Number is not as "mm", just as steps) "0" is no gap, "5" is max gap between sheets and "-5" is max overlap value between sheets. Standard value is "-2"~-1", change depending on the job.
3 	Enter (Confirm)	Push this icon after set the value when need to record. The number is recored and go back to "Home screen".
4 	Esc (Cancel)	Push this icon when cancel the value setting. The pushed number is canceled and go back to "Home screen".

The machine changes the temperature and speed to standard value automatically for each operations when an operator selects the mode icon.
 Normally, proceed with original setting. However, please change the temperature on this screen if necessary depending on the paper type and film.



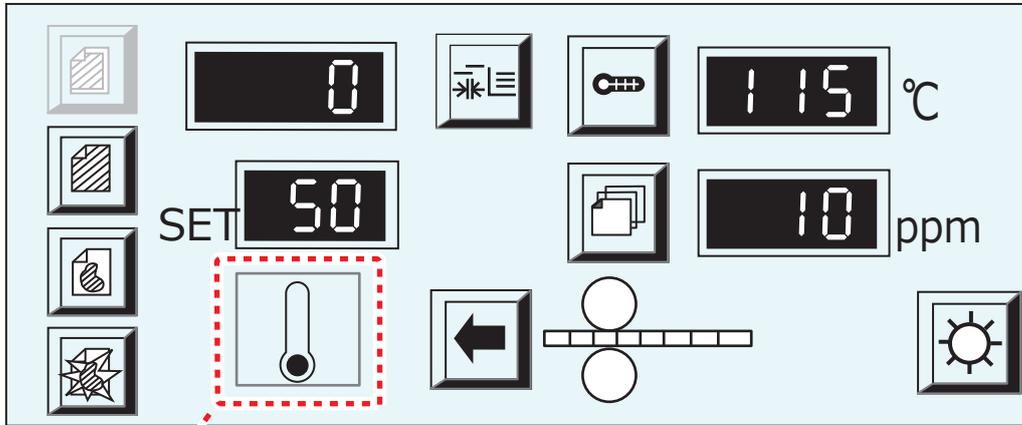
Icon	Set	Explanation
1 	This icon shows Laminate use	Selected Mode icon from 4 types of operations shows here. This page shows "Laminate use" as example.
2  	Temperature UP/DOWN icons	Use 100~120°C when laminate use.120~150°C when use except laminating. One push of ↑/↓ changes 5°C up /down. [Laminate use] Possible value is 60~140°C. However if the Thermistor senses 135°C, go back to home screen and showing "adjusting" icon to stop heating for avoiding the over heat trouble. Possible to operate again when the screen shows Start icon.
3 	Enter (Confirm)	Push this icon after set the value when need to record. The number is recored and go back to "Home screen".
4 	Esc (Cancel)	Push this icon when cancel the value setting. The pushed number is canceled and go back to "Home screen".

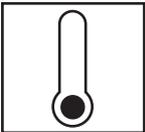
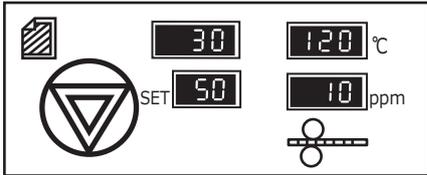
The machine changes the temperature and speed to standard value automatically for each operations when an operator selects the mode icon.
 Normally, proceed with original setting. However, please change the speed on this screen if necessary depending on the paper type and film.

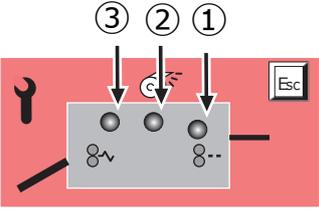
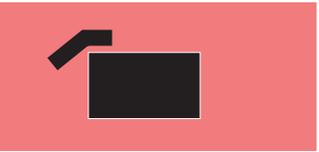
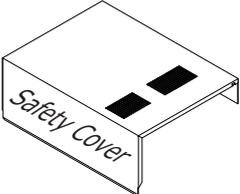


Icon	Set	Explanation
1	This icon shows Laminate use	Selected Mode icon from 4 types of operations shows here. This page shows "Laminate use" as example.
2	Speed UP/DOWN icons	ppm= paper per minute as A4 1 push for 1 paper more /less. Adjustable value is 5~30. Beep sounds when exceeding this range.
3	Enter (Confirm)	Push this icon after set the value when need to record. The number is recored and go back to "Home screen".
4	Esc (Cancel)	Push this icon when cancel the value setting. The pushed number is canceled and go back to "Home screen".

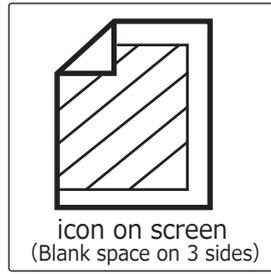
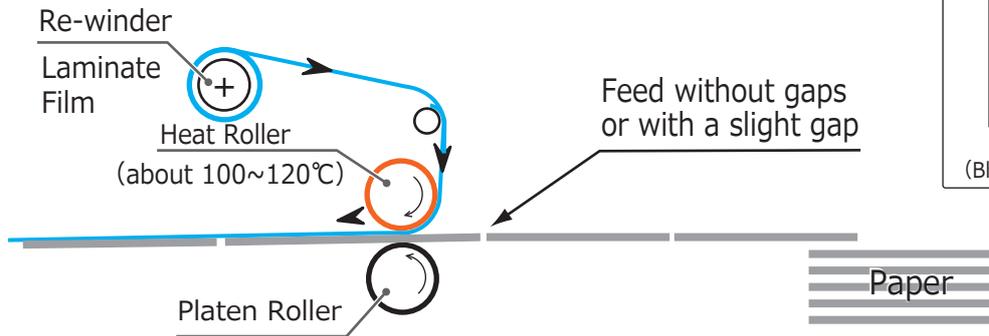
▼ Home screen



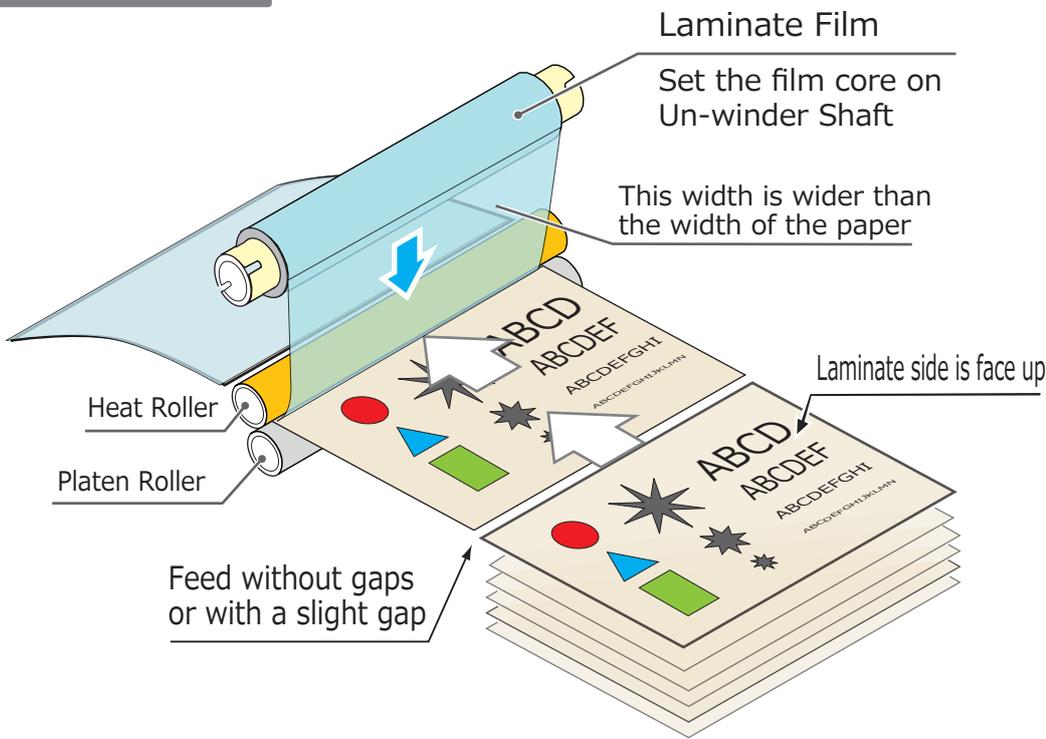
Icon	Status	Explanation
	<p>Heating UP</p>	<p>This icon is in the condition that the Heat Roller is heating up. Wait until the temperature rises to the set value. The buzzer sounds when the temperature reaches that level, and the below "Start" icon shows up.</p>
	<p>Start</p>	<p>The temperature has increased to the set value, and ready to start operation. When this icon is pressed, paper separation air will start. When this icon is pressed again, paper feeding is started and the below "Auto Operation screen" will appear. Push  button to stop operation when need to cancel after press this icon once. Also air will automatically stop if the machine is left for a while with air coming out condition.</p>
<p>▼ Auto Operation screen</p>  <p> Auto Operation /Stop button</p>		<p>This icon shows "During automatic operation". When this icon is pressed, the Coater will stop. Stop timing depends on process mode.</p> <hr/> <ul style="list-style-type: none"> •Laminate use: Stop operation when the tail edge of the last paper comes to the Heat Roller section. (1 paper stays in the machine) •Dry Coat/Spot Gloss/Foil use: Stop operation when the last fed sheet is processed and discharged. (No paper in the machine) <p>Pushing this icon 2 consecutive times for Emergency Stop</p> <p>[Caution] There is possibility that the film gets damage by emergency stop when uses thick paper in Dry Coat/Spot Gloss/Foil mode. Please make sure there is no damage after using emergency stop.</p>

Screen	Explanation
	<p>① This mark turns white color when misfeed happens at the Feeder UNIT section.</p> <p>② This mark turns white color when film runs out or film is cut.</p> <p>③ Empty for now.</p>
 <p>Safety Cover is opened</p>	 <p>Safety Cover is not at the correct location. This cover protects an operator from injury by heater and cutter. Set it correctly, and operate.</p>
 <p>3 hours continuous use</p>	<p>This screen shows up next time you stop operation when use this opportunity for more than 3 consecutive hours, and the machine will stop.</p> <p>The parts around Heat Roller become hot by long time use and it is to prevent troubles caused by it.</p> <p>Once you turn off the power and open the appropriate cooling time, you can continue using the power again.</p>
 <p>Heater Trouble</p>	<p>This screen shows up if the Heater temperature cannot be stable as set within the certain period of time.</p> <p>Please turn off and on the power and try again.</p> <p>There maybe a trouble in the Heater circuit if it still does not improve. Please contact the dealer.</p> <p>Also this screen shows up when there are differeces more than certain period of temperature between 2 Thermistors on the Heat Roller. This cause how to install the Thermistor and dirt on the Heat Roller.</p>
 <p>Eco Mode</p>	<p>If the machine operation is not performed for 20 minutes after the temperature of the Heat Roller reaches the set temperature (since the thermometer mark has changed to the start button), it is judged that the operator is left, and it enters the "sleep" mode and lower the temperature to 100°C.</p> <p>If you press the "Esc" button on the upper right of the screen, you can exit this Eco Mode, return to the temperature rise screen and start heating the heater. If "Esc" is not pressed and the same condition continues for the next 40 minutes, it enters the "sleep → temperature cutoff" mode and stops heating of the heat roller. Turn off the power, wait about 10 seconds and turn it on again. Then turns normal.</p>

Film flow



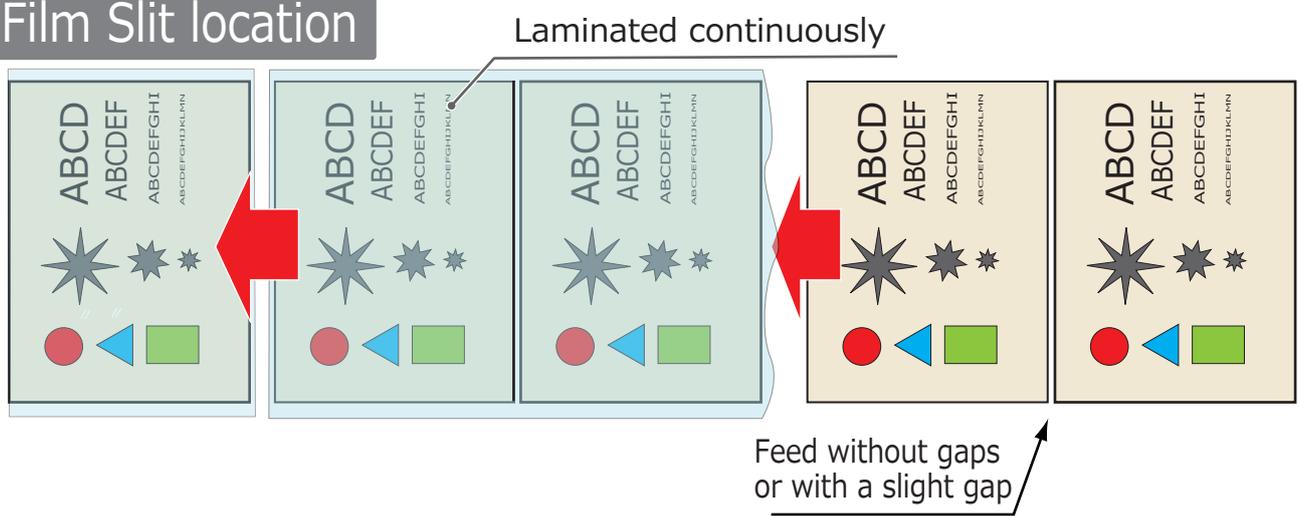
Paper flow



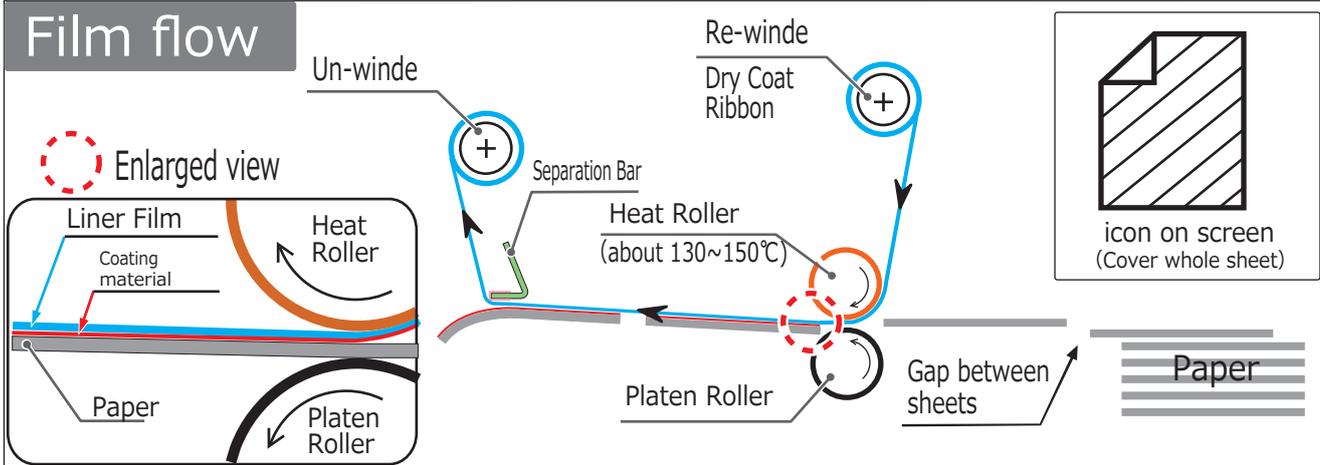
Feature
Clear thick film covers the paper and protect the printing surface.

The actual film is transparent, but is drawn in blue for easy understanding.

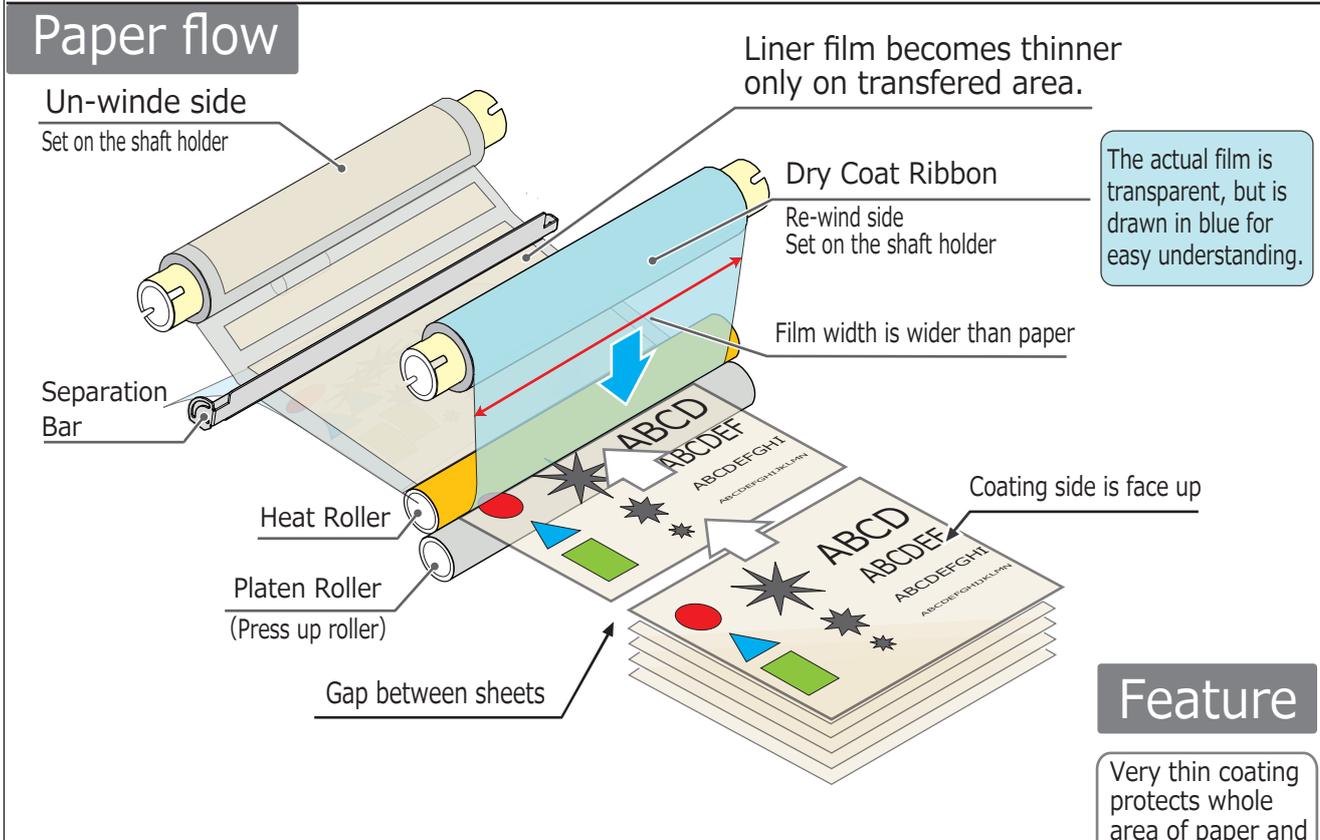
Film Slit location



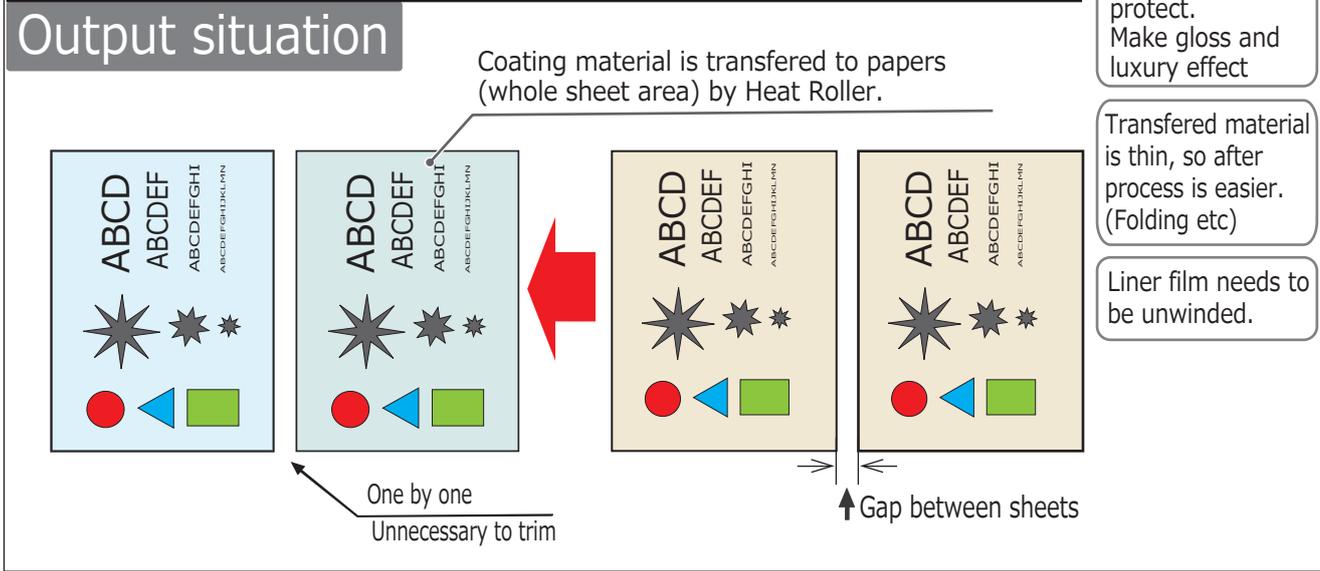
Film flow



Paper flow



Output situation



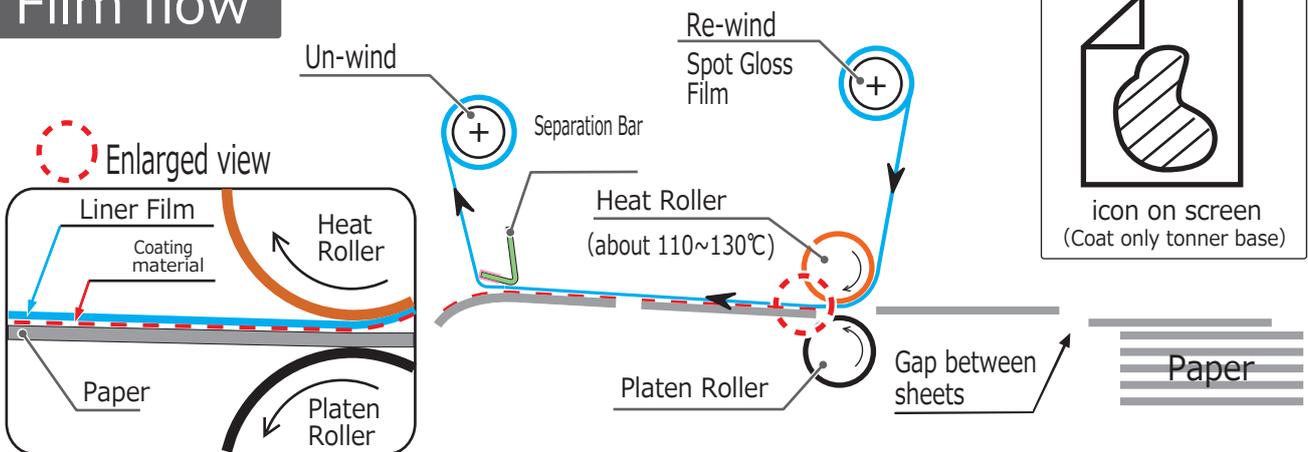
Feature

Very thin coating protects whole area of paper and protect. Make gloss and luxury effect

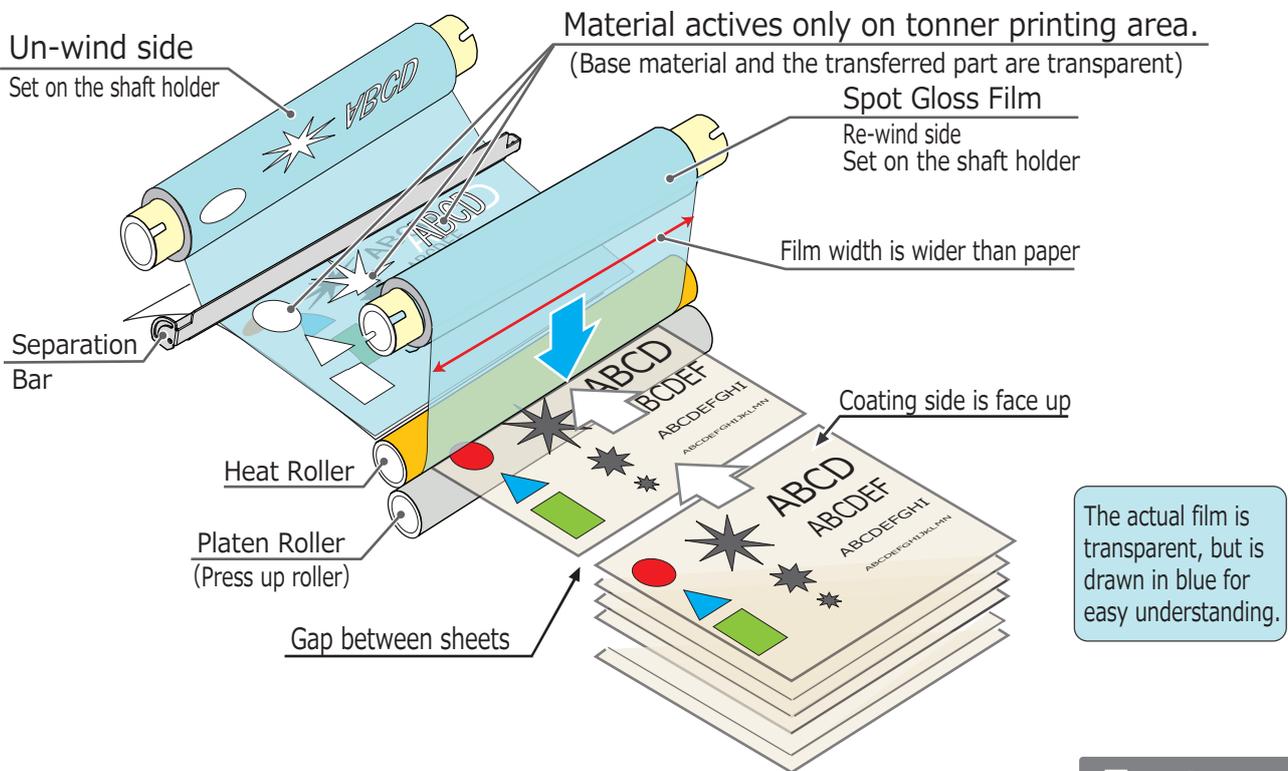
Transferred material is thin, so after process is easier. (Folding etc)

Liner film needs to be unwinded.

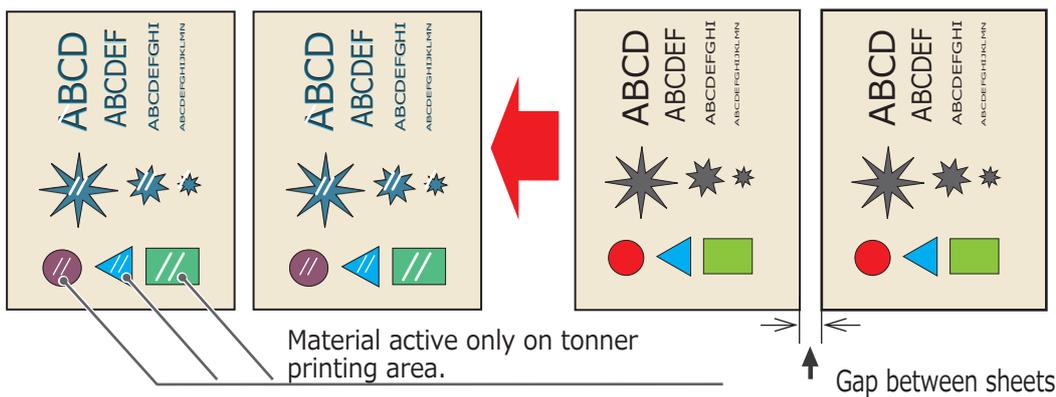
Film flow



Paper flow



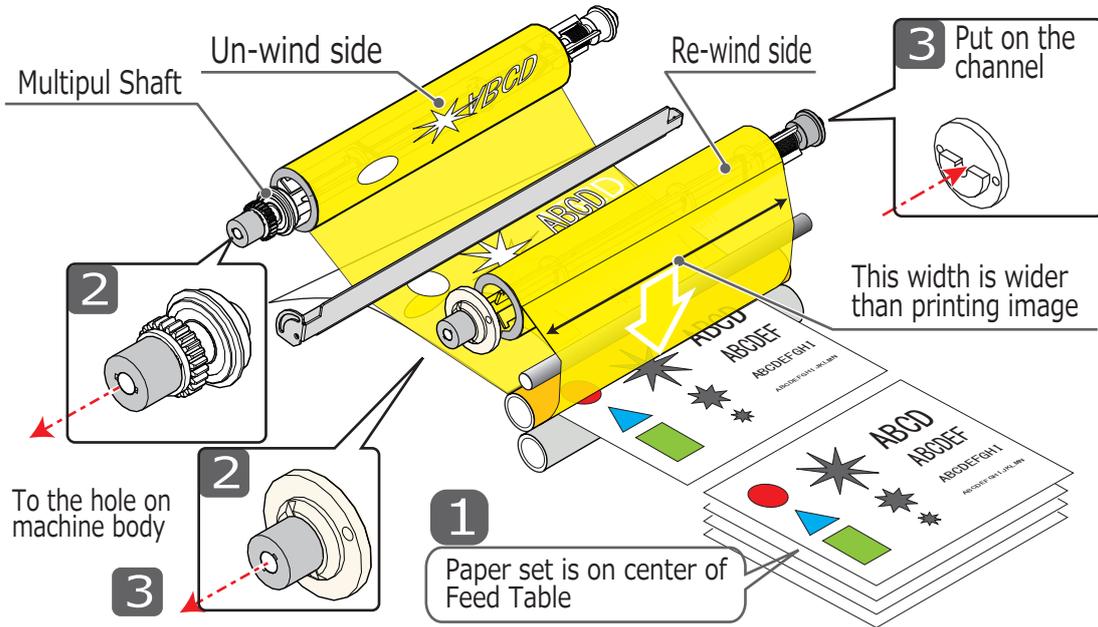
Output situation



Feature

- Only toner printed area can be coated as spot gloss. Make gloss and luxury effect.
- Liner film needs to be un-winded.

Position relation between Dry Coat/Spot Gloss/Foil Film and Paper



1 In the case of Dry Coat/Spot Gloss/Foil, not necessary to position the center position so precisely. Film is wider than paper width.

Note
3 points

- 1** Papers are at center position on Feed Table.
- 2** Film Core is fixed on Multipul Shaft.
- 3** Set on the machine.

Machine/Model		Multi Cry Coater / AccurioShine 101	
Machine size		Main Body (Feed Tray + Output Tray)	1310(W)×580(D)×795(H) mm
		Main Body	420(W)×580(D)×365(H) mm
Weight		Main Body: about 32.5Kg Feed Tray + Output Tray: about 5.5Kg	
Rated voltage		AC100V ±10% 50/60Hz AC115V AC 110 ~ 120V ±10% 50/60Hz AC230V AC 220 ~ 240V ±10% 50/60Hz	
Wattage		AC 100V 700W 7A AC 115V 700W 6A AC 230V 750W 3.5A	
Applicable Paper	Type	Flatness of the paper surface is important. It may be not available depending on the paper type, paper curl and environment.	
	Size	MAX 330×640mm MIN A4 (Laminate use) / A5 (Dry Coat / Foil)	
	Thickness	110 ~ 400 g / m ² (t= 0.12 ~ 0.45mm)	
Method		Heat Roller system (Laminating, Dry Coating, Spot Gloss Coating, Foiling)	
Speed		MAX 20ppm MIN 5ppm	
Feed system		Auto Air Suction Feeding (Belt) Max. Paper loading capacity A4: 80mm / A3: 40mm	
Warm up time		4 mins (Set temp. 110°C and room temp. condition: 20~30°C)	
Eco mode		Turns "Eco mode" after 20 mins from last operation. Heating system turns off and temp. control system stops if no operation more than 40 mins after eco mode (total 60 mins).	
		How to Reset	Eco mode → Press [Esc] on Touch Panel Heater off mode → Power SW [OFF] → [ON]
		To prevent the machine from overheating, if the machine has been operated continuously for more than 3 hours, the machine will be stopped, the heater will be powered OFF, and the temp. control will be suspended. The Machine will be reset when the power is turned ON. Restart will be resumed after turning off the power for about 30 minutes.	

Supplies	<p>* Max Roll diameter: Genuine Film</p> <p>* Genuine Supply Dry Coat Ribbon / Spot Gloss Film / Foils Laminate Film (Genuine 30μ)</p>
Discharge Method	Discharge Tray
Usage Environment	<p>IPX0(zero) [Non protected for water: Non use at the place near the water.] At an altitude below 1,000 meters Non use at the place in dust. 5 degrees C ~ 35 degrees C 20%RH ~ 70%RH</p>
Storage Environment	-10 degrees C ~ 50 degrees C 10%RH ~ 90%RH
3 hours rating	Max continuously operation time is 3 hours

Warranty

Product Name	Multi Dry Coater
Model Name	AccrioShine 101
Warranty period	6 months after purchase.
Installed date	/ / /
Dealer	TEL:

Warranty Determination

Warranty period is 6 months after purchase.

However, the troubles that used with sperical materials and/or works and/or supplies are excepted.

The followings are charge condition even if in the warranty period.

- (1) Breakdown and/or damaged attributable disregarding the Operation Manual.
- (2) Breakdown and/or damaged attributable customized or responsibility of use.
- (3) Breakdown and/or damaged attributable shipping trouble and falling when moving.
- (4) Fire, earthquake, natural disaster by wind and flood damage, pollution and abnormal voltage.
- (5) Wrapping, covers, Feed Table, Output Unit and other accessories.

AccrioShine 101

User's Manual

Ver. 20191012

Manufacturer **UCOS** Co., Ltd