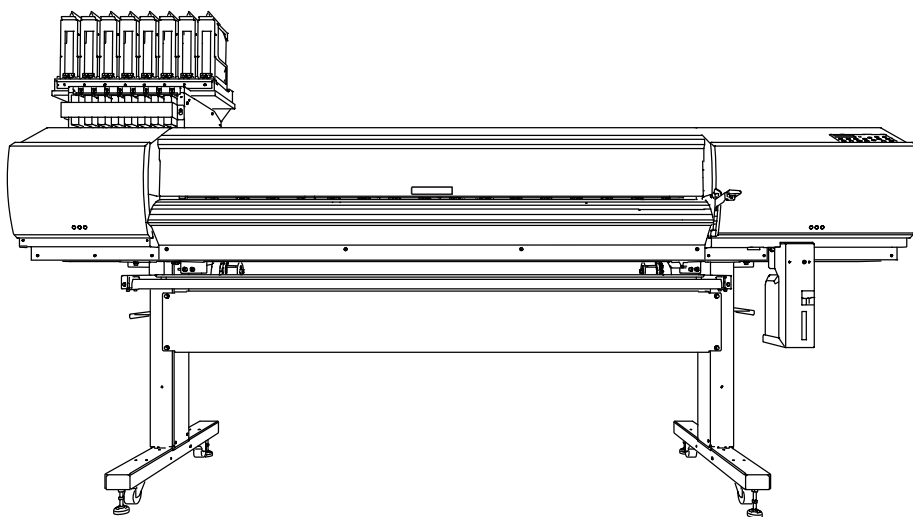


Texart

XT-640

USER'S MANUAL



Thank you very much for purchasing this product.

- To ensure correct and safe usage with a full understanding of this product's performance, please be sure to read through this manual completely and store it in a safe location.
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Roland DG Corporation

This product is equipped with an "eT-Kernel Multi-Core Edition" eT-Kernel and a "PrConnect(R)/Pro" TCP/IP protocol stack, both made by eSOL Co., Ltd. eT-kernel and PrConnect are registered trademarks of eSOL Co., Ltd.

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Part Names and Functions

Printer Unit

Front

Subtank slots

This is where subtank cartridges are installed.

Ink pouch holder

This is where ink pouches are installed.

Front cover

Leave closed except when loading media etc.

Operation panel

☞ P. 7 "Operation Panel"

Left cover

Remove this when performing maintenance.

Feed adjuster (front side)

Loading lever (front side)

Operate this when you load media.

Right cover

Remove this when performing maintenance.

Drain bottle

Back

Ethernet connector

This is used to connect the machine to a network.

Activity LED

This flashes in yellow while data is being received from the network.

Status LED

This indicates the status of the machine's network feature. It lights up green when status is normal.

Main power switch

Power-cord connector

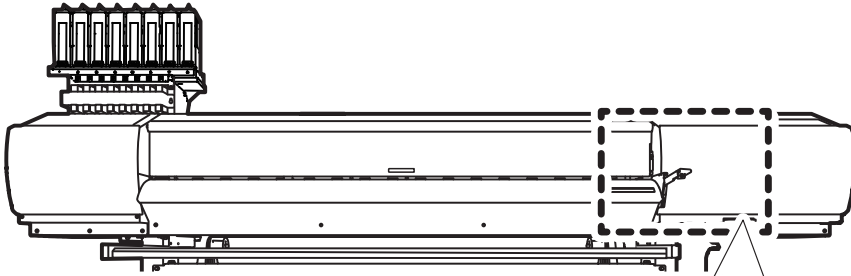
Loading lever (rear side)

Operate this when you load media.

Shafts

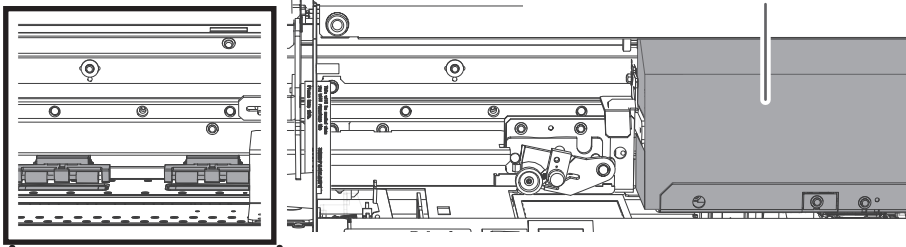
Media holder

Front Cover Interior/Print Head Area



Print-head carriage

The print heads are equipped inside this.



Pinch rollers

These clamp the media when the loading lever is lowered.

Grit rollers

These rollers feed out media toward the front of the machine.

Knife guide

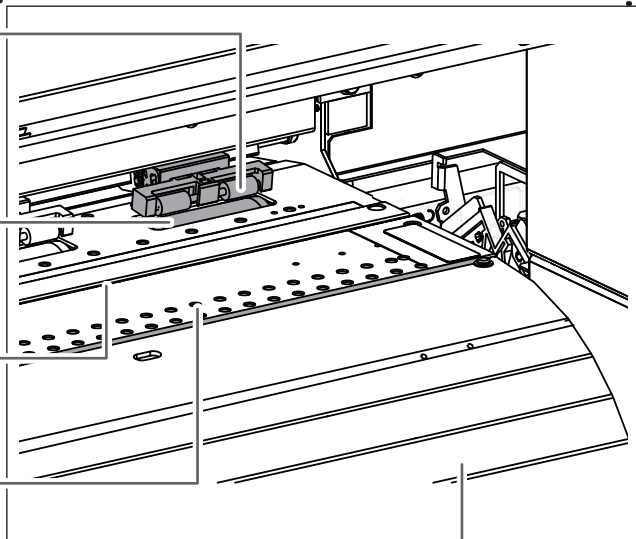
The separating knife travels along this guide when separating the media.

Platen

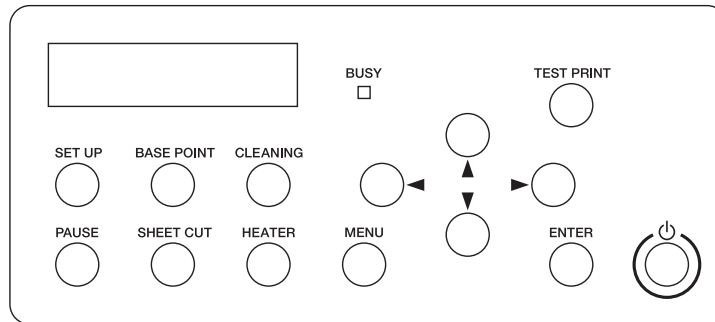
This is the path over which the media passes. A suction fan that keeps the media from coming loose is built in.

Apron

This has a built-in dryer to speed up drying of the ink.



Operation Panel

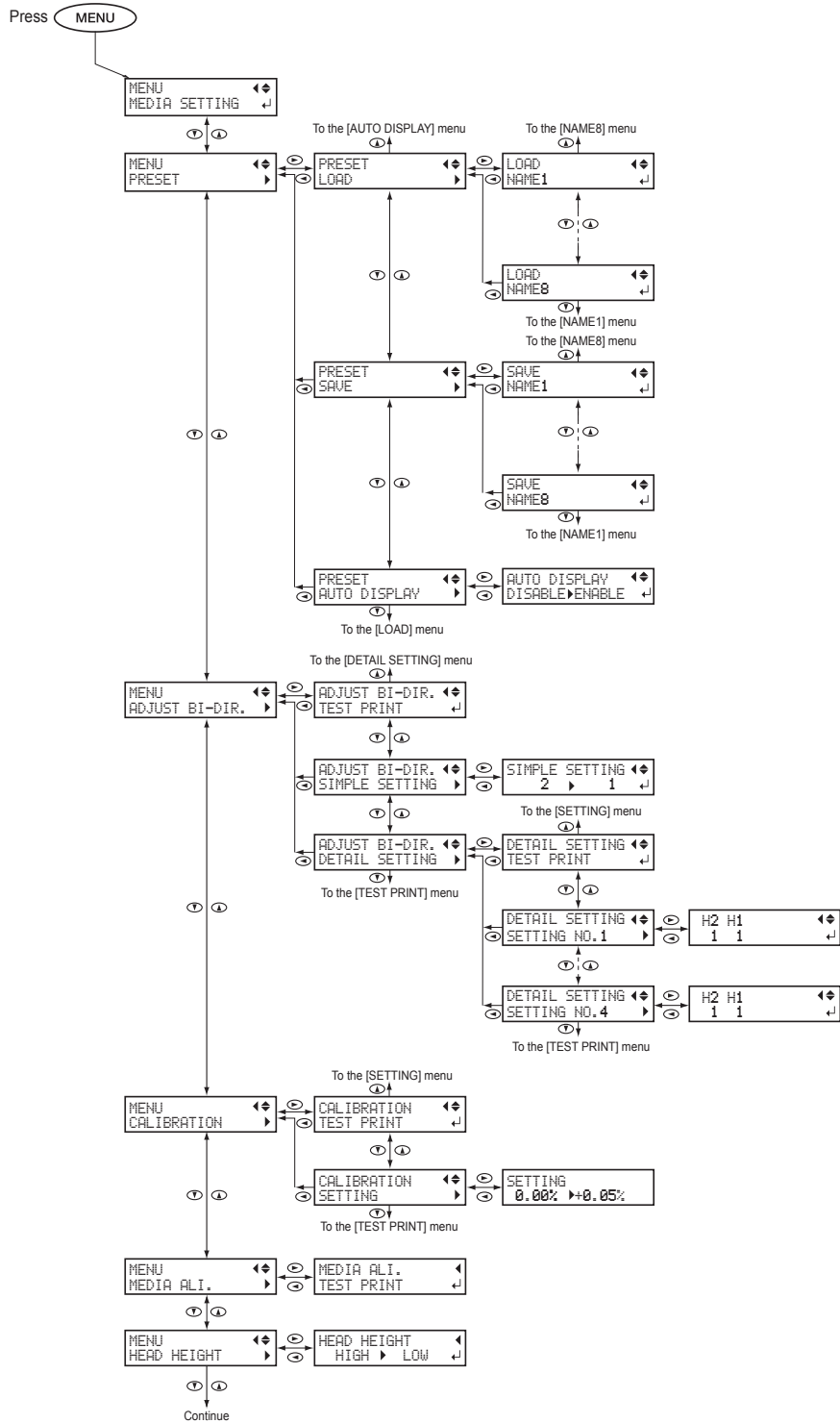


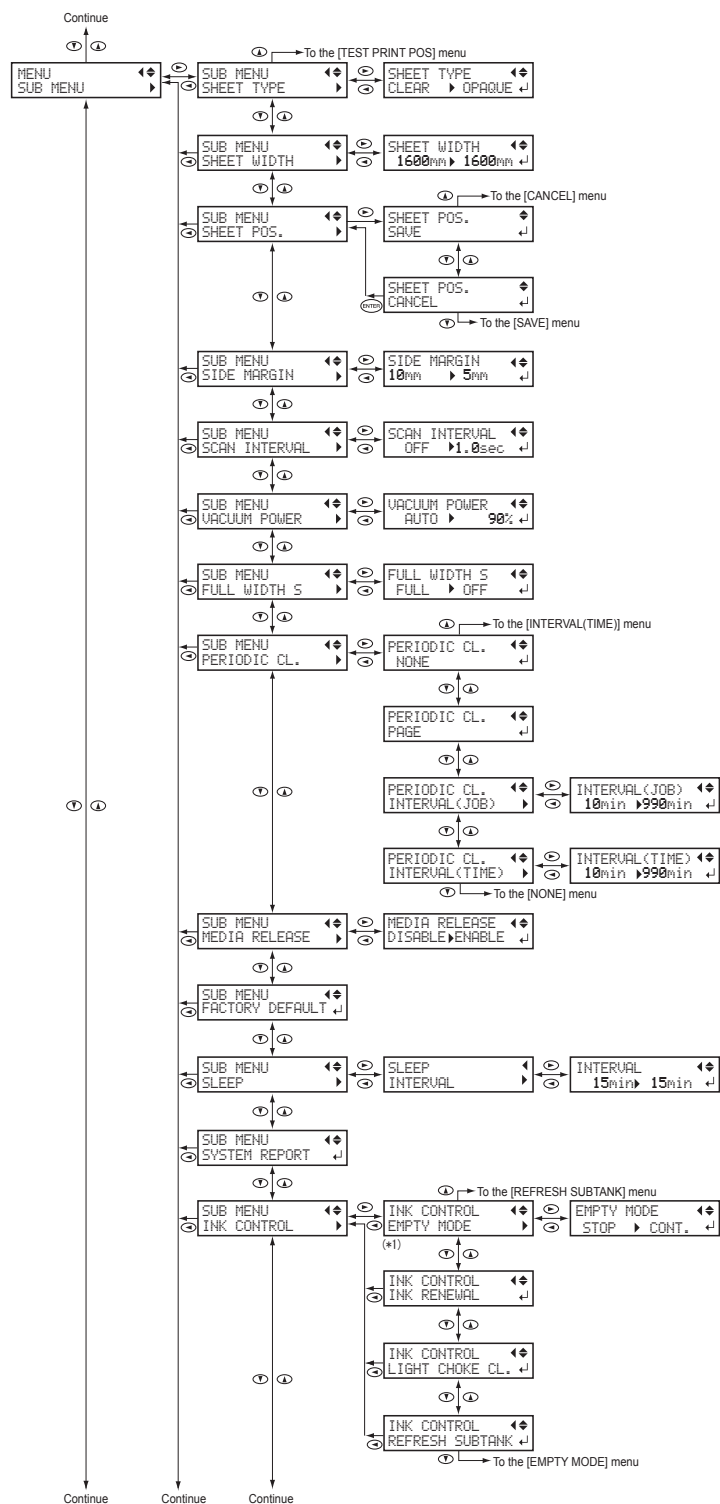
Part	Name	Description	Illustration in this manual
	Display screen	This displays various setting menus and other information.	
	Sub power switch	This switches the printer on and off. (To switch the printer off, hold down the switch for one second or longer). The light flashes slowly when the machine is in sleep mode.	
	ENTER key	Use this for such tasks as enabling setting values.	
	MENU key	Press this to enter the menus for various settings.	
	HEATER key	Press this to set the temperature for the dryer. This flashes while the media heating system is warming up and remains lit once the preset temperature is reached.	
	SHEET CUT key	Hold down this key for one second or longer to cut off the media.	
	PAUSE key	This pauses the printing operation. It lights when operation is paused.	
	SETUP key	Press this when you load media. It lights when media is loaded and the machine is ready to perform output.	
	BASE POINT key	Use this when you want to set the output-start location. It lights when the setting has been made.	
	CLEANING key	Use this to clean the print heads.	
	Cursor keys	Use these to select settings for menu items, to move the media, and for other such operations.	
	TEST PRINT key	Hold this down for one second or longer to perform a printing test.	
	BUSY light	This lights during printing and other such operations.	

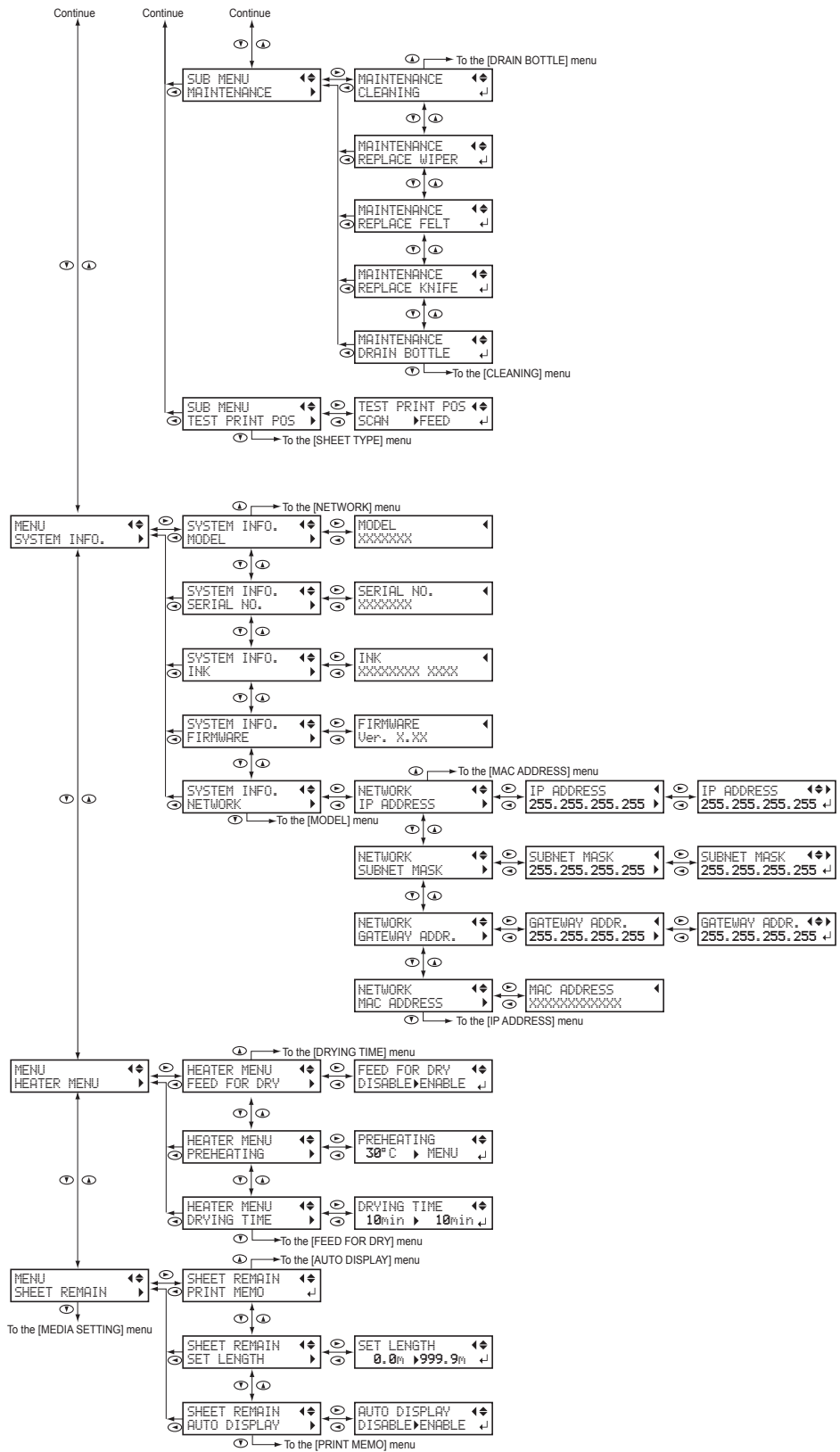
Menu List

Main Menu

1 Machine Highlights

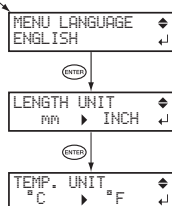






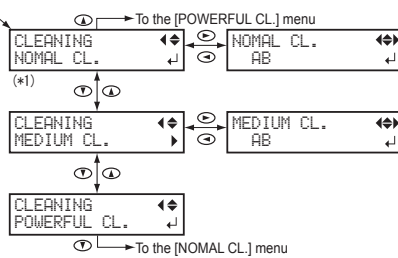
Language and Unit Menu

While holding down **MENU**, switch on the sub power.



Cleaning Menu

Press **CLEANING**



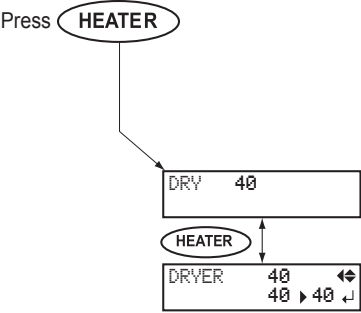
Hold down **CLEANING** for one second or longer.

Normal cleaning of all groups

1

Machine
Highlights

Dryer Settings Menu



Chapter 2

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Preparing Media

Types of Media

In this manual, the paper used for printing is called "media." There are the following main two media types used in this machine.

- **Roll media:** Media wound onto a paper tube
- **Sheet media:** Media not wound onto a paper tube such as standard-size media

Various paper qualities of roll media and sheet media are selectable according to the purpose. For detailed information about each media, contact your media supplier.

Conditions for Usable Media

This machine cannot print on every kind of media. When selecting media, be sure to carry out testing in advance to make sure that satisfactory printing results are obtained.

Size

Width (*a)	259 to 1,625 mm (10.2 to 64 in.)
Maximum media thickness (*a)	1.0 mm (39 mil)
Roll outer diameter	210 mm (39 mil)
Paper tube (core) inner diameter	76.2 mm (3 in.) or 50.8 mm (2 in.) (*b)

*a Applies to both roll and sheet media.

*b To use 2-inch media, the optional media flanges are required. For information about optional items, contact your authorized Roland DG Corp. dealer.

Maximum Roll Weight

40 kg (88 lb.)

Note: If using the take-up system, this specification depends on the conditions of media that can be used with the take-up system.

Other Conditions

Media such as the following cannot be used.

- Media whose end is attached to the paper tube (core)
- Media that is severely warped or that has a strong tendency to reroll
- Media whose paper tube (core) is bent or crushed
- Media that bends under its own weight when loaded
- Media on a sagging roll
- Media that is rolled unevenly

Media Storage Environment

Depending on the type of transfer paper, if it is stored in a humid environment for a long time, the coating of the paper may degrade and affect print quality. (In most cases, once the coating degrades, it will not return to its original condition.) Avoid storing transfer paper in humid environments.

Read the precautions regarding your media carefully, and store it in an appropriate environment. For details, contact your media supplier.

Switch On!

Switch On!

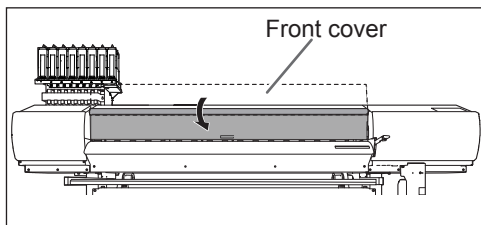
⚠ WARNING

When output is not being performed, remove any loaded media or switch off the sub power.

The continued application of heat at a single location may cause the release of toxic gases from the media or pose a fire hazard.

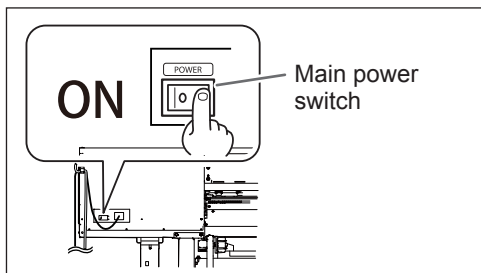
Procedure

1



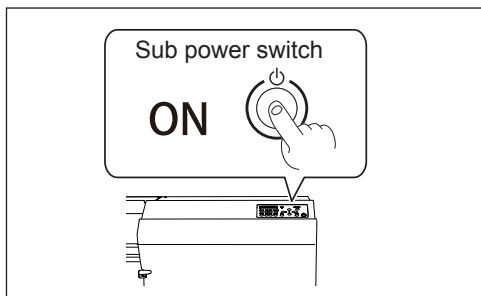
Close the front cover.

2



Switch on the main power.

3



Switch on the sub power.

Sleep Mode (Power-saving Feature)

This machine is provided with a power-saving feature that switches to a low-power "sleep mode" when a fixed interval passes with no operation. The factory default for the time after which the machine switches to the sleep mode is 30 minutes. When the machine is in the sleep mode, the sub power switch flashes slowly. Using the operation panel or sending printing data from the computer restores the machine to its normal mode. This sleep mode setting can be changed. However, we recommend setting the activation time for the sleep mode to 30 minutes or less to reduce power consumption and prevent problems such as overheating.

➤ P. 115 "Setting Activation Interval for Sleep Mode (Power-Saving Feature)"

Loading Media

Loading Roll Media

⚠CAUTION

Load roll media correctly.
Otherwise, the media may fall and cause injury.

⚠CAUTION

Roll media weighs about 40 kg (88 lb.). To avoid injury, handle the roll media with care.

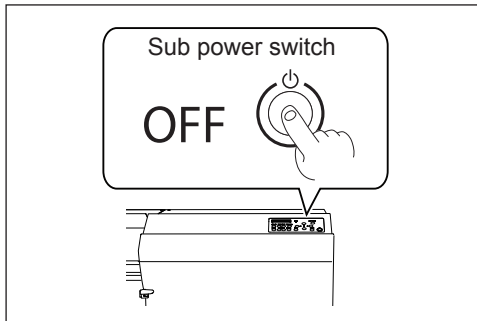
⚠CAUTION

Do not load roll media that weighs more than 40 kg (88 lb.).
The machine may tip over because it is incapable of withstanding the weight. Alternatively, the media may fall out of the machine.

1. Install the media on the media holders.

Note: The media holders of this machine are designed to be used exclusively with media that has a paper tube (core) with an inner diameter of 3 inches. To use 2-inch media, the optional media flanges are required. For information about optional items, contact your authorized Roland DG Corp. dealer.

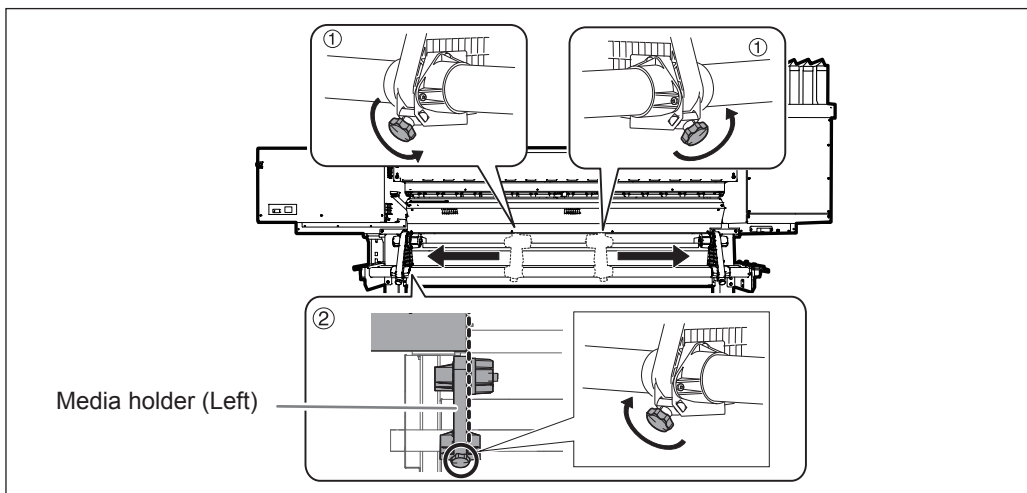
1



Switch off the sub power.

2

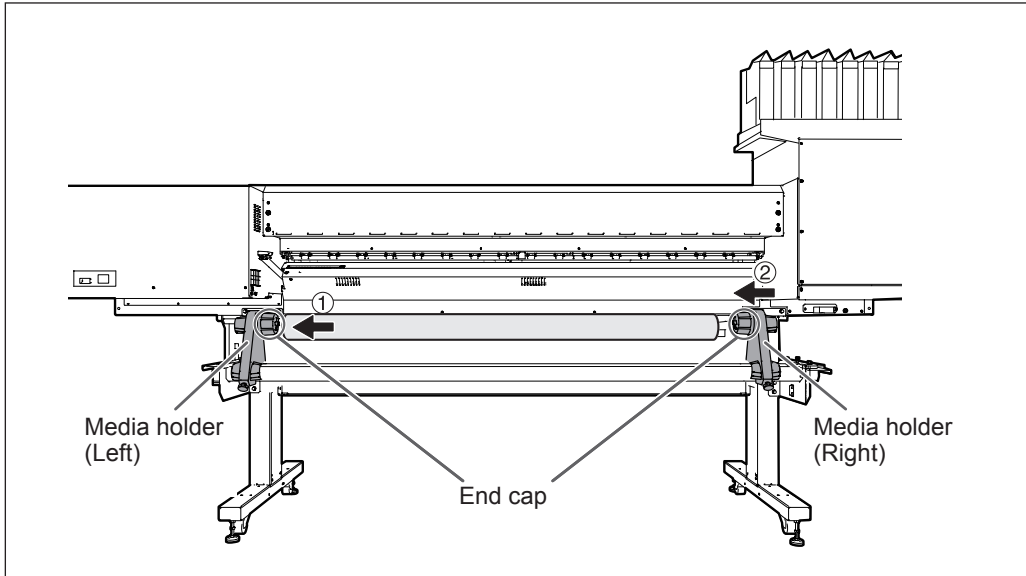
- ① Loosen the securing screws of media holders.
- ② Draw the media holders to both left and right ends respectively.



2

Basic
Operation

- ③ ① **Fit the paper tube (core) of the media onto the end cap of the media holder (Left).**
Do not secure the media holder now.
- ② **Move the media holder (Right) and fit the end cap onto the paper tube (core) of the media.**
Fit it securely to prevent the media from moving easily.

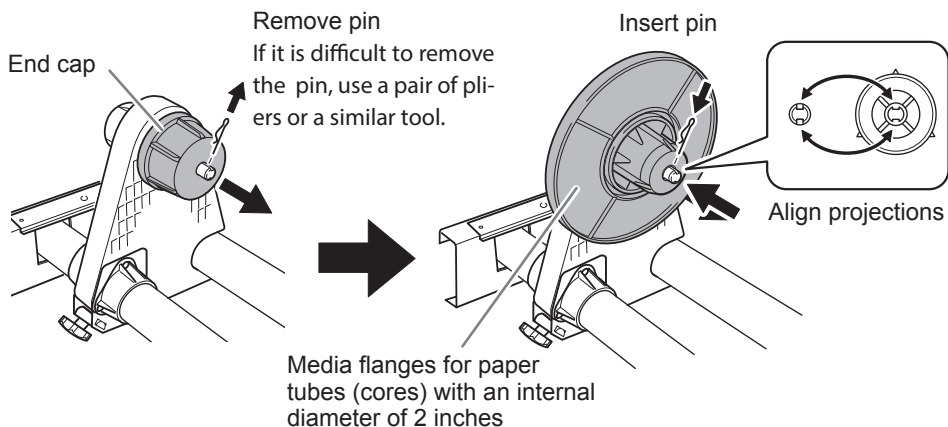


IMPORTANT! Install conforming to the procedures.

When loading the media make sure that the media holder (Left) is drawn to the left edge. Do not secure the media holder before loading the media. If these procedures are not followed, printing results will be affected because the media will not be fed correctly.

How to use media flanges for paper tubes (cores) with an internal diameter of 2 inches

Note: Media flanges for paper tubes (cores) with an internal diameter of 2 inches are optional items.



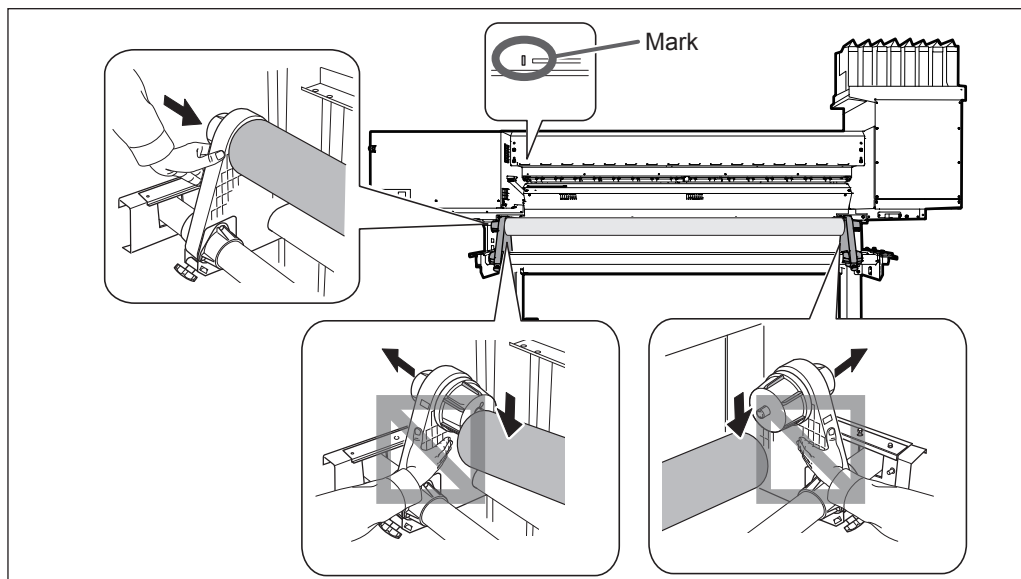
- ④ **Hold the outer side of the media holder (Left) and position the left edge of the media to align with the marks.**

When deciding the position, hold the both sides of media holders from the outer sides and move it. Do not hold the media directly to move.

⚠ CAUTION

Do not hold places other than those instructed.

Otherwise the media may fall off the media holder and cause injury.

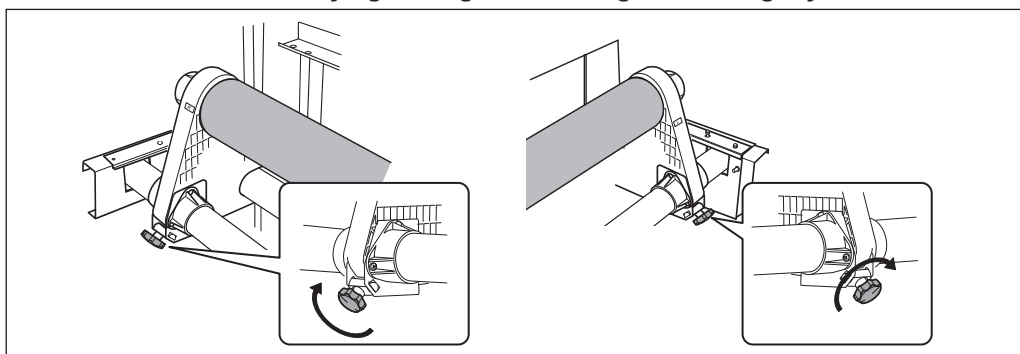


IMPORTANT!

Firmly decide the left and right side positions of the media at this point.

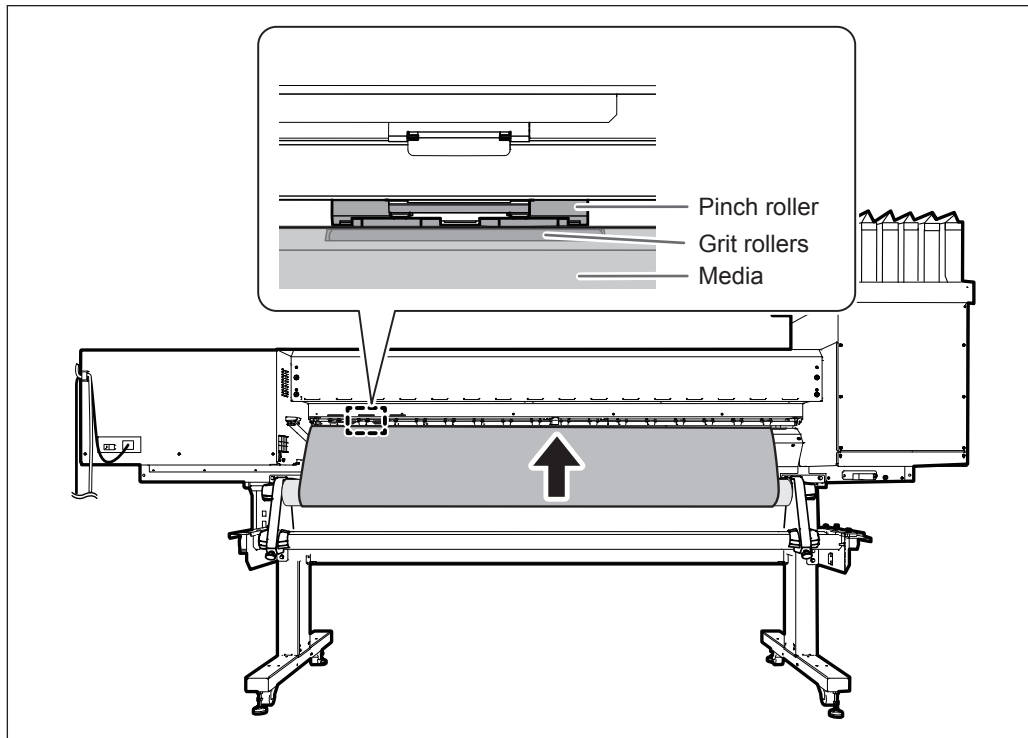
After this procedure is completed, if the left and right side positions do not fit the proper positions when securing the media with pinch rollers, you will have to go back to this step to redo this procedure. If you attempt to forcibly readjust the position of the media simply by pulling on the media itself, printing quality will be affected due to skewed media feed.

- ⑤ **Secure the media holder by tightening the securing screws slightly.**

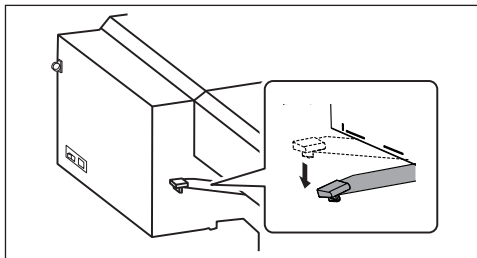


2. Pass the media through the machine and secure the media holders.

- 1 Pass the leading edge of the media between the grit rollers and the pinch rollers.
Pass the media over the top of the feed adjuster bar.

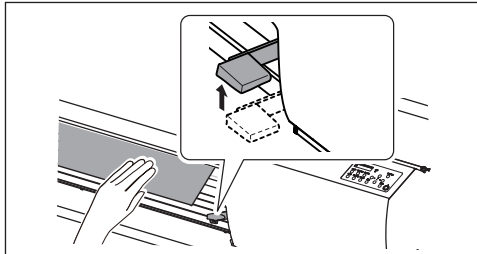


2



Lower the loading lever (rear).
The media is held in place.

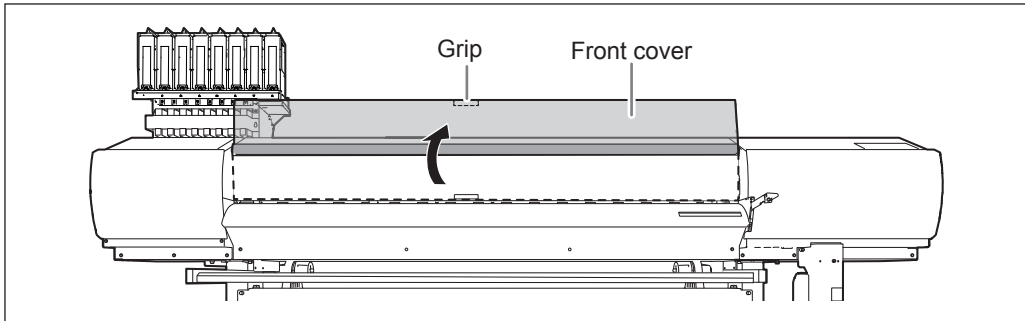
3



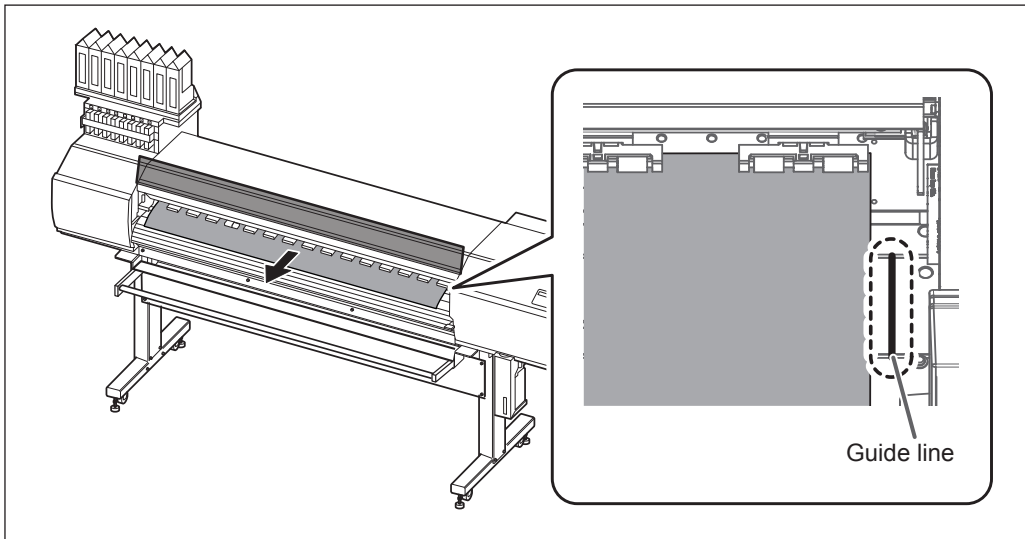
Gently hold down the media and raise the loading lever (front).
The media is released.

4 Open the front cover.

Do not open the front cover until instructed to do so.

**5 Pull out the media over the platen.**

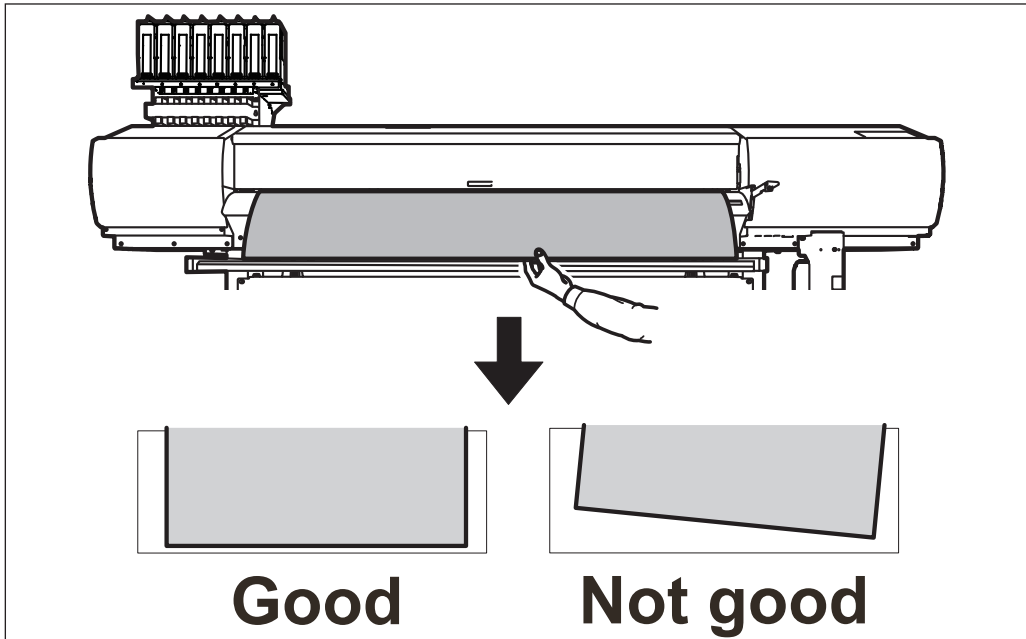
Make sure the right edge of the media is in line with the guide line.

**IMPORTANT!**

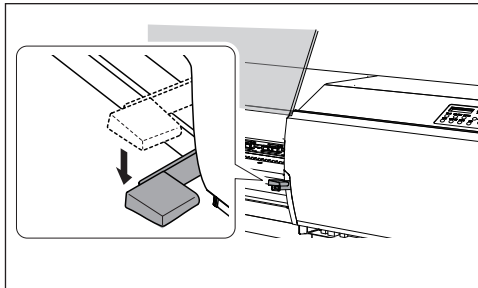
If you want to readjust the media position at this point, redo the procedure from step **1-2**. If you just hold the media to readjust its position forcibly, the media will be skewed during printing, which will have an effect on the printing quality.

- 6** Hold the media at the center and pull it out, being sure to keep it straight and all areas of the media to be taut.

Make sure the right edge of the media is in line with the guide line.



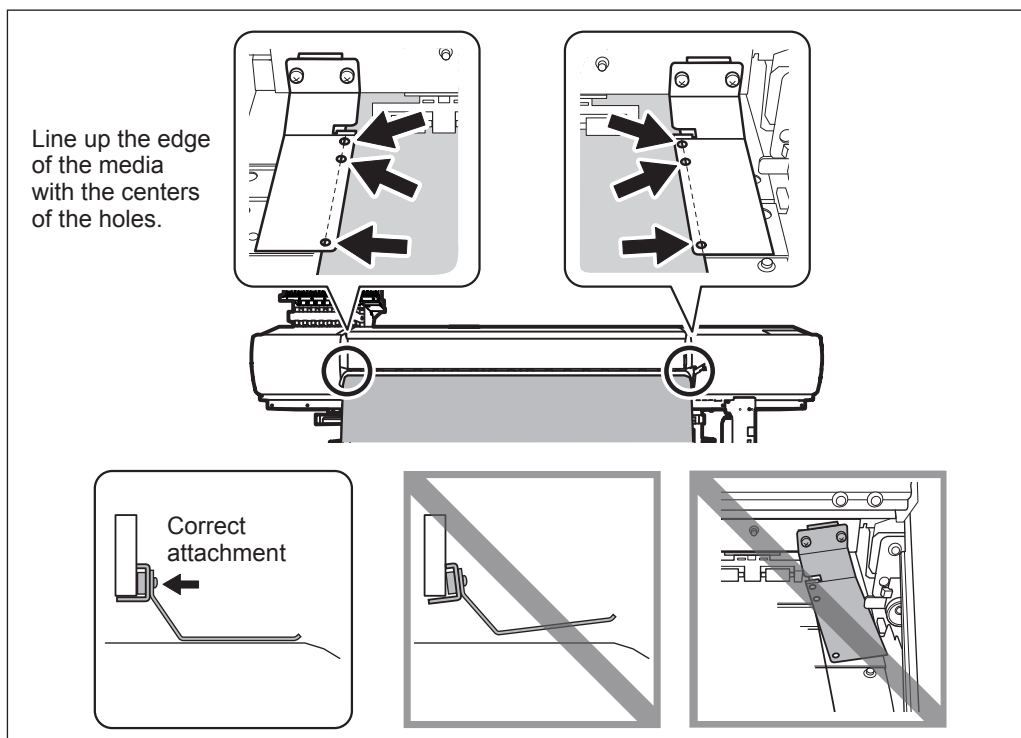
7



Lower the loading lever (front).
The media is held in place.

8 Clamp the edges of the media with the media clamps.

The media clamps are magnetic, and the left and right clamps are distinct. Refer to the figure and install the clamps in the correct positions, making sure not to confuse right and left.

**9 Close the front cover.****10 Press SET UP.**

The print-head carriage moves and detects the width of the media. This operation is called initialization. When initialization ends, SET UP lights, and the printable width is displayed on the screen. This completes the loading of the media.

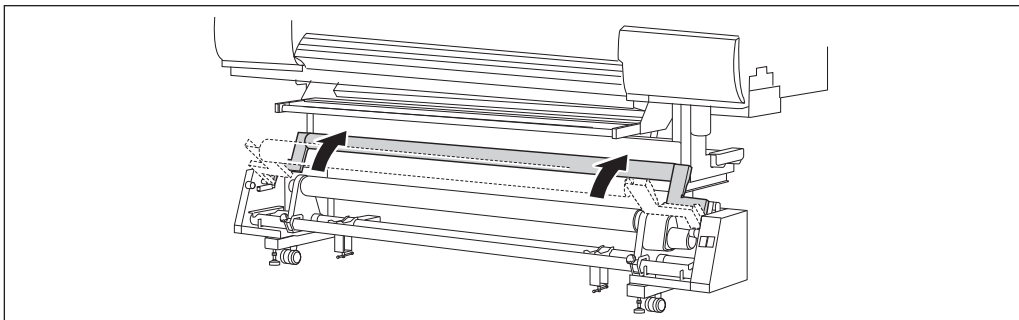
IMPORTANT! Remove roll media when not in use.

If roll media is left unused in a loaded state for an extended period, the media will sag. This can cause poor printing quality and motor errors, so be sure to remove and store the media when not in use.

3. Load a paper tube onto the take-up system, and switch on the take-up system power.

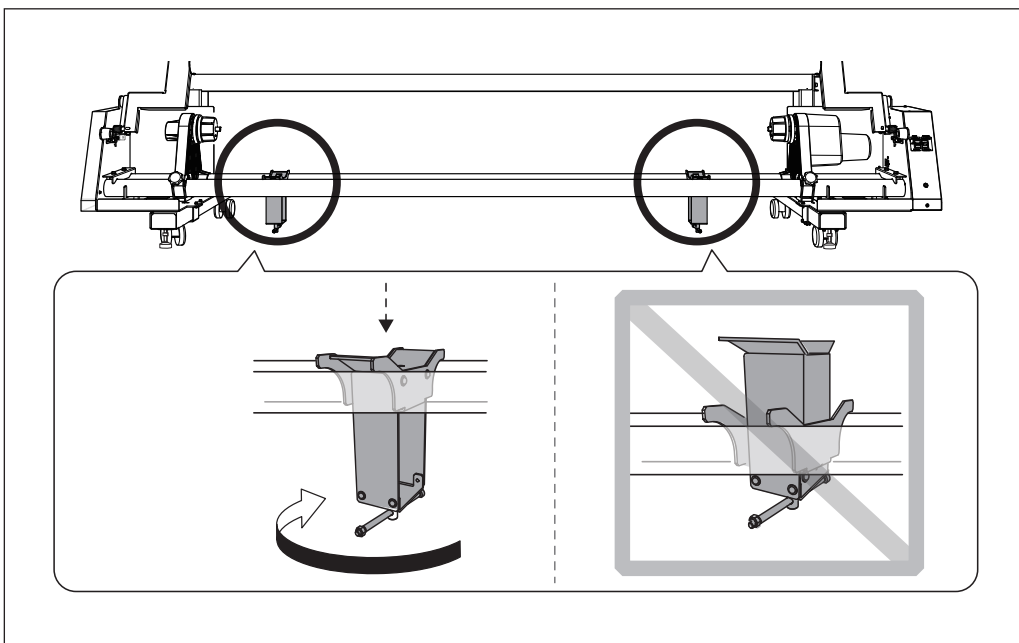
This section describes parts that use the take-up system. These instructions describe how to use TUC-3. If using a take-up system other than TUC-3, refer to the user's manual of the take-up system you are using.

1 Raise the dancer roller.



2 Lower the height of each media support to its lowest position by turning the lever.

Make sure that the media supports are on the inner side of the media holders, and turn the media support lever in the direction shown in the figure.

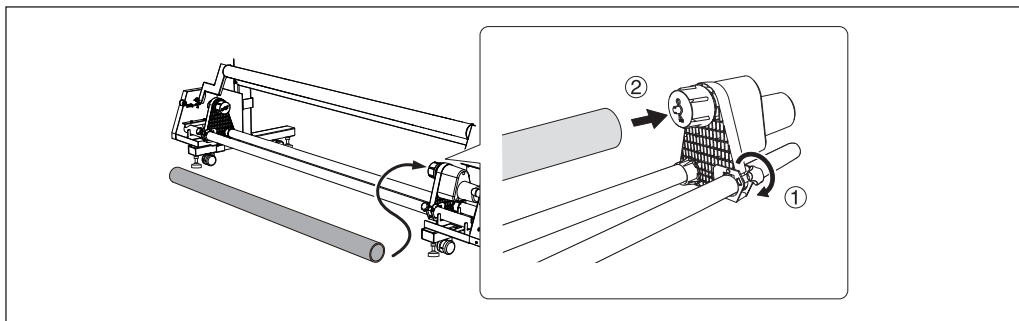


3 ① Secure the motorized media holder.

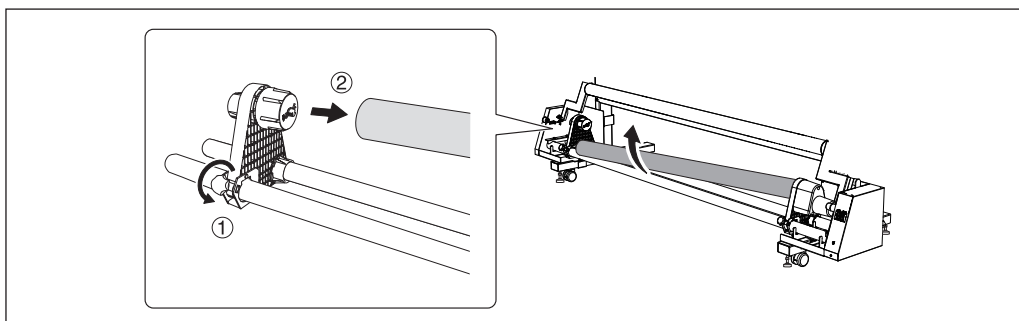
Secure the motorized media holder firmly using the securing screws.

② Fit the paper tube (core) onto the end cap (Right).

Fit the paper tube securely right to the end of the end cap.


4 ① Loosen the securing screw of the media holder (Left).
② Press the end cap (Left) against the paper tube (core) and insert it.

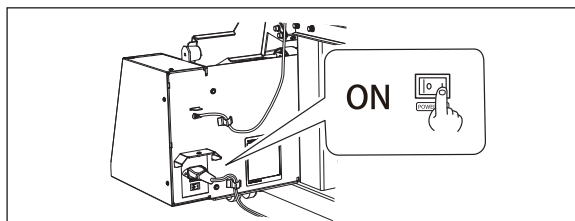
Move the media holder (Left) and fit the end cap (Left) onto the paper tube (core).


POINT!

Fit the paper tube securely onto the end cap. This prevents skewed feeding when the media is taken up.

IMPORTANT!

Use the paper tube that is included with the roll. If a different roll is used, the media may not be taken because the roll may fail to engage.

5


Switch on the power of the take-up system.

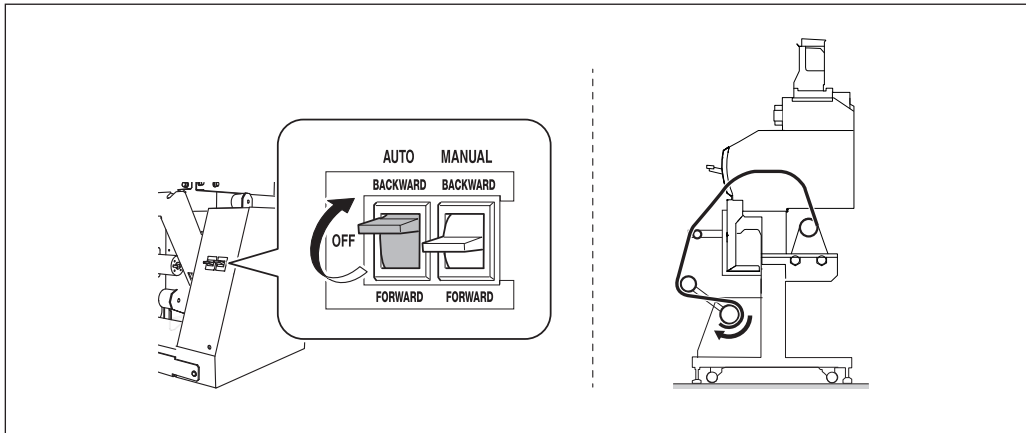
4. Adjust the position of the media.

1 Set the AUTO switch on the take-up unit.

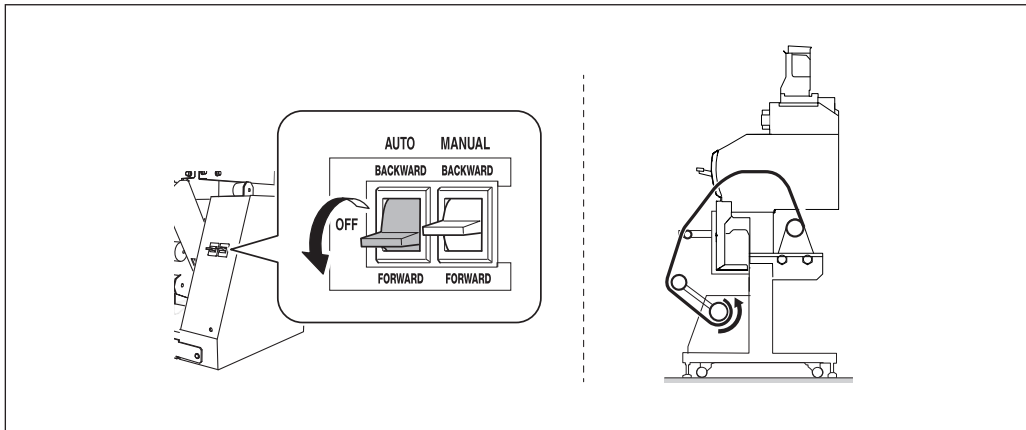
POINT!

It is recommended that you use the BACKWARD setting when using the take-up unit with the machine. When using the TUC-3 as the take-up system, it is not possible to use it with the FORWARD setting if it is adjusted for use with the BACKWARD setting during installation. In the same way, it is not possible to use it with the BACKWARD setting if it is adjusted for use with the FORWARD setting during installation. To change to the BACKWARD or FORWARD setting after installation, contact your authorized Roland DG Corp. dealer.

When using the BACKWARD setting

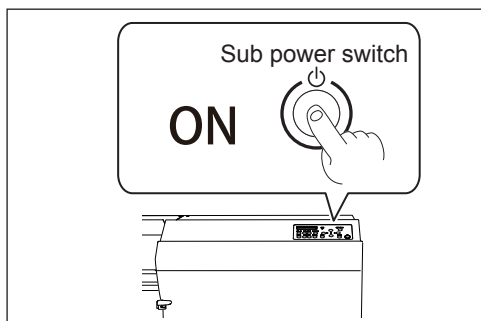


When using the FORWARD setting



2 Close the front cover.

3

**Switch on the sub power.**

The print-head carriage moves and detects the width of the media. This operation is called initialization. When initialization ends, **SET UP** lights, and the width of the media is displayed on the screen.

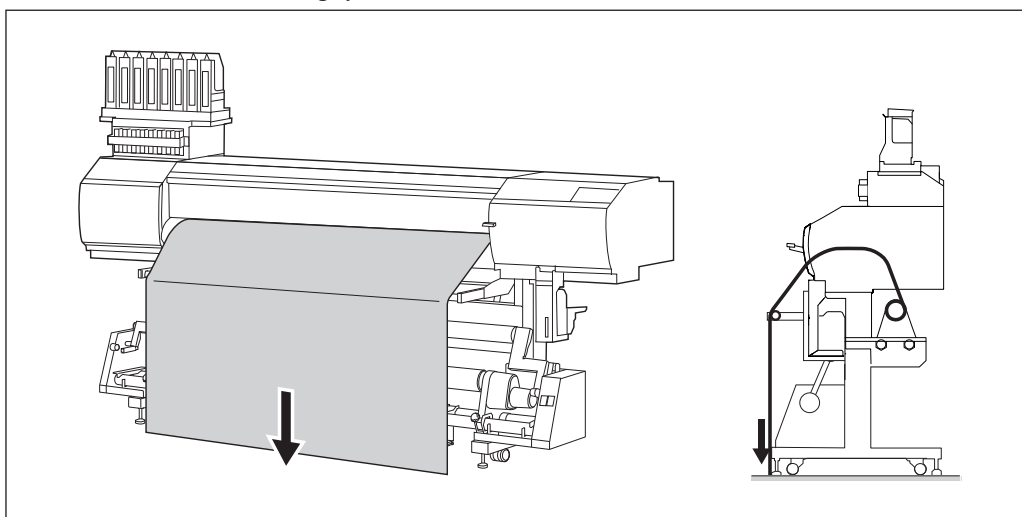
4

Press to feed out the media.

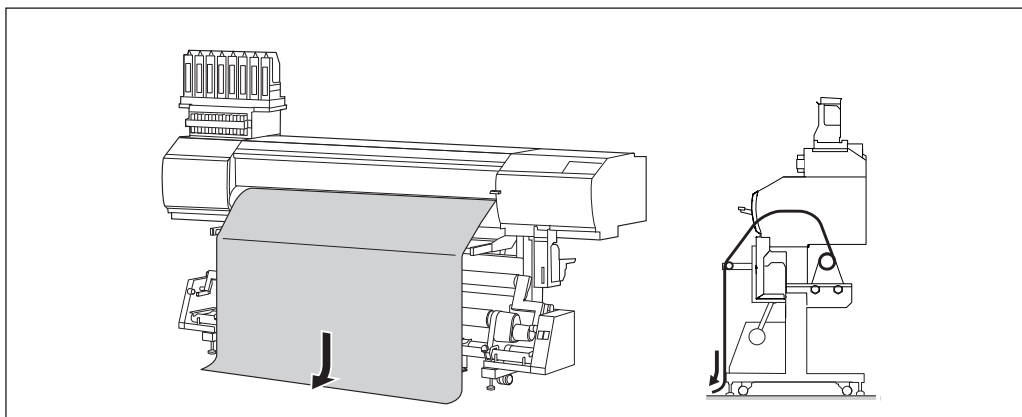
Media is fed out 1 mm (39 mil) each time you press . Holding down the key lets you feed out paper continuously.

When using the BACKWARD setting

Feed out the media until its edge just touches the floor.

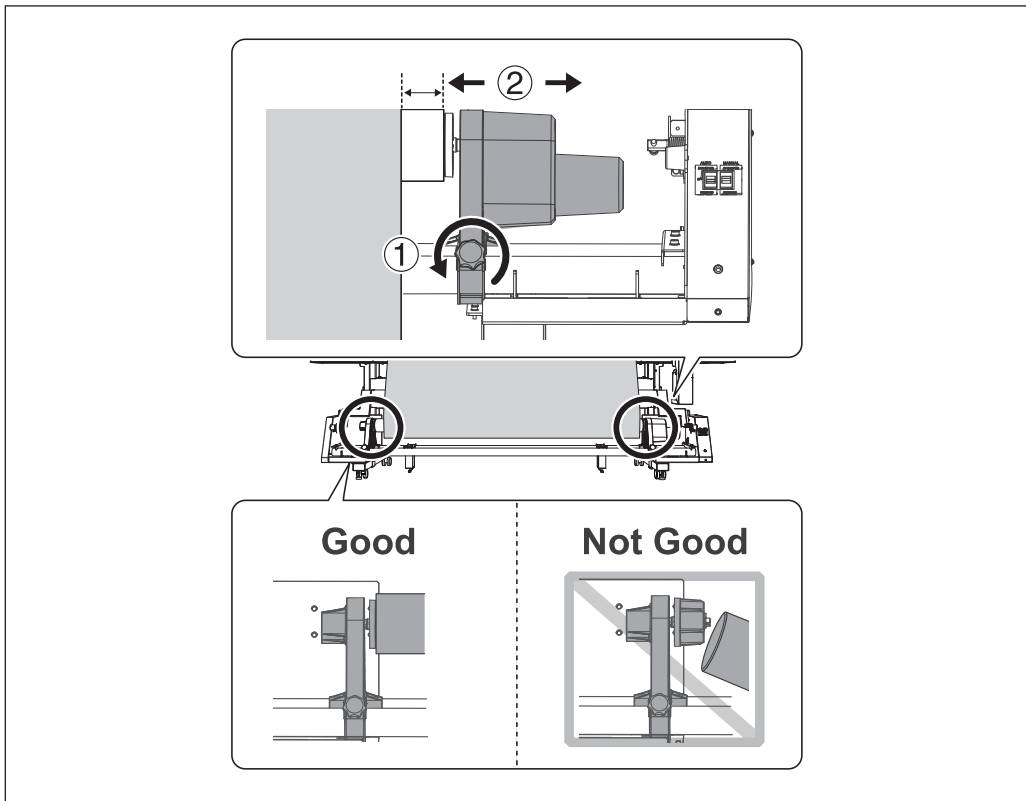
**When using the FORWARD setting**

When the edge of the media is just touching the floor, feed it out another 10 cm (3.94 in.).



- 5 ① Loosen the securing screw of the motorized media holder.
- ② Adjust the position of the media holder.

Move both media holders so that it is possible to see around 20 mm (0.79 in.) of the paper tube (core) from the right edge of the media.



POINT!

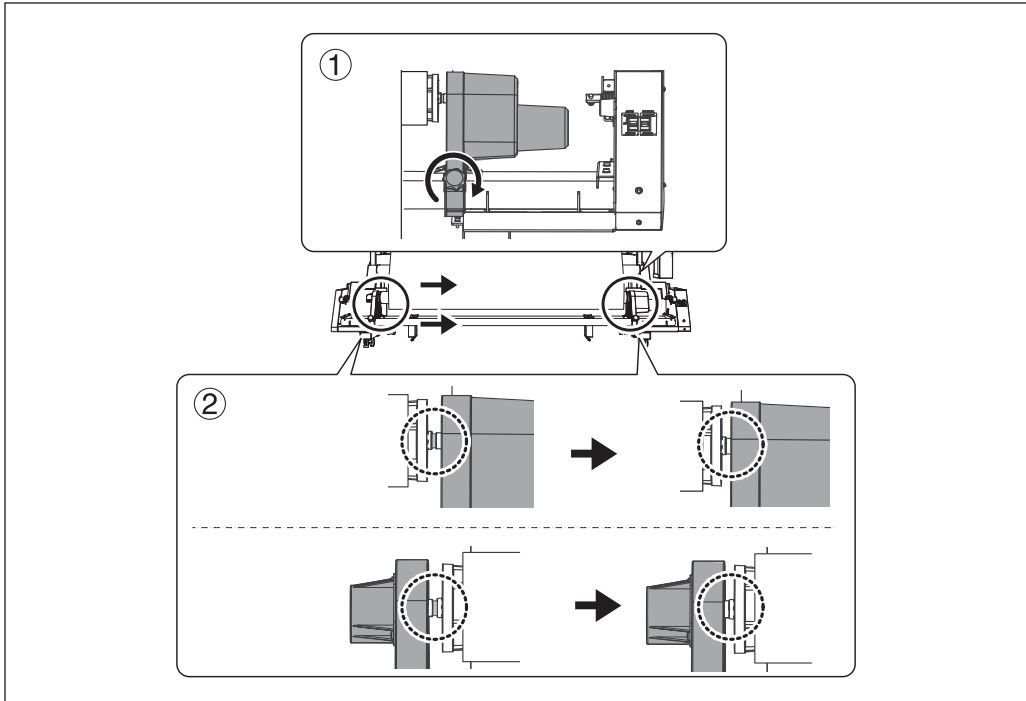
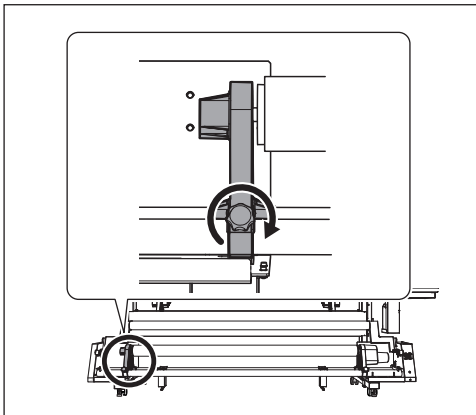
Secure the paper tube (core) in place with the media holder at both ends so that it does not move out of position or come off the end cap.

6 ① Secure the motorized media holder in place.

Secure the motorized media holder firmly using the securing screws.

② Push the media holder (Left) in the direction of the motorized media holder and securely fasten the end cap to the paper tube (core).

Push the media holder firmly until the gap between the media holder and end cap at either end is filled in as shown in the figure.

**7****Secure the media holder (Left) in place.**

Secure the motorized media holder firmly using the securing screws.

POINT!

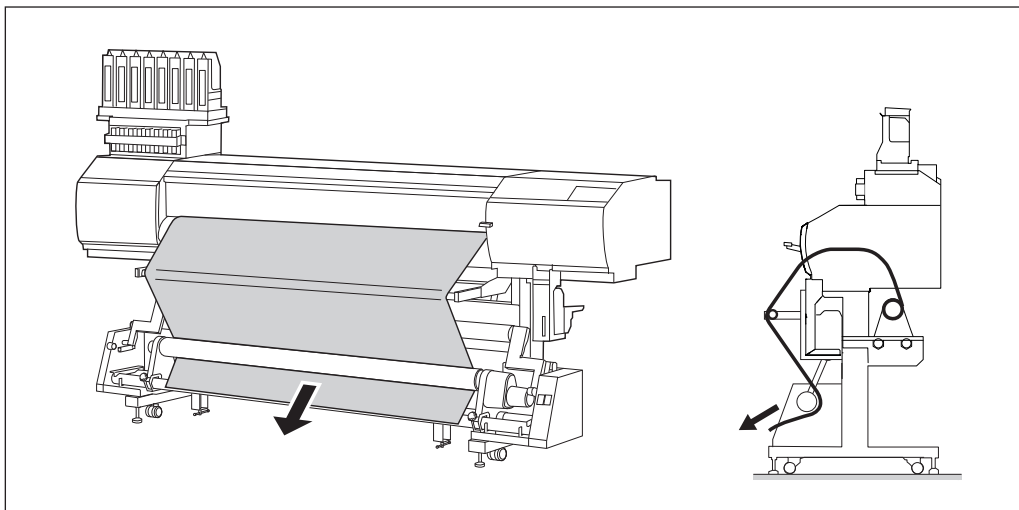
If there is any play when the paper tube is moved from side to side, return to step **2** and redo the procedure.

5. Secure the media on the paper tube (core).

1

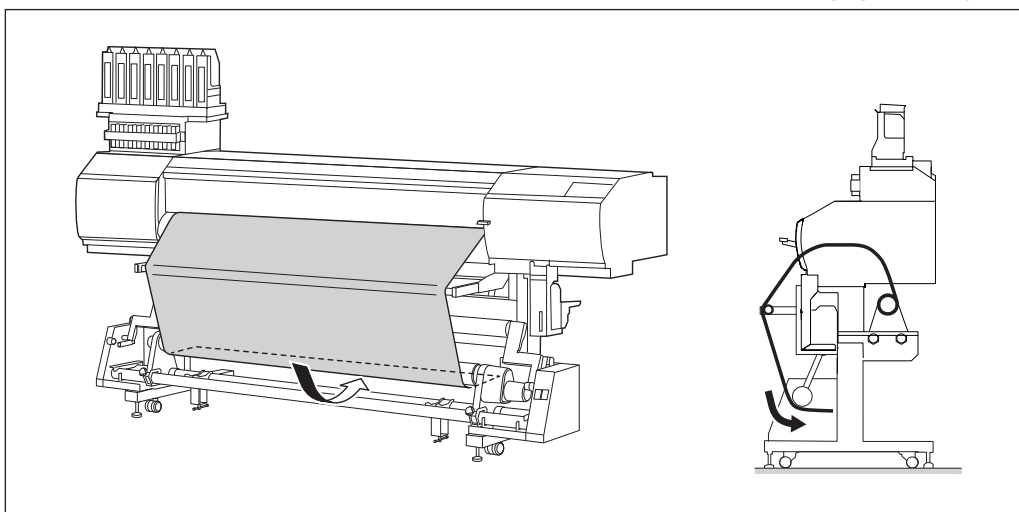
When using the BACKWARD setting

Pass the media around the inner side of the paper tube (core).



When using the FORWARD setting

Pass the media toward the back of the machine from the outside of the paper tube (core).

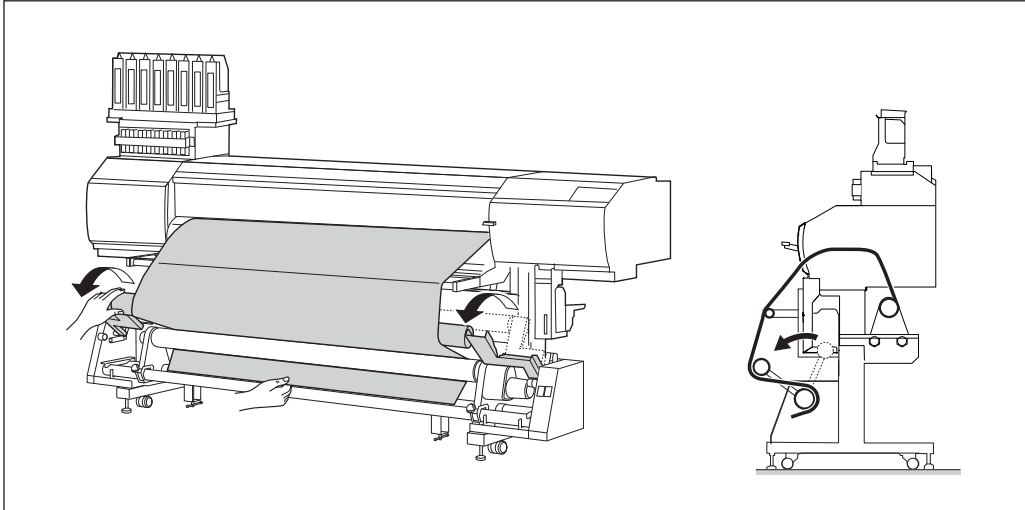


2

When using the BACKWARD setting

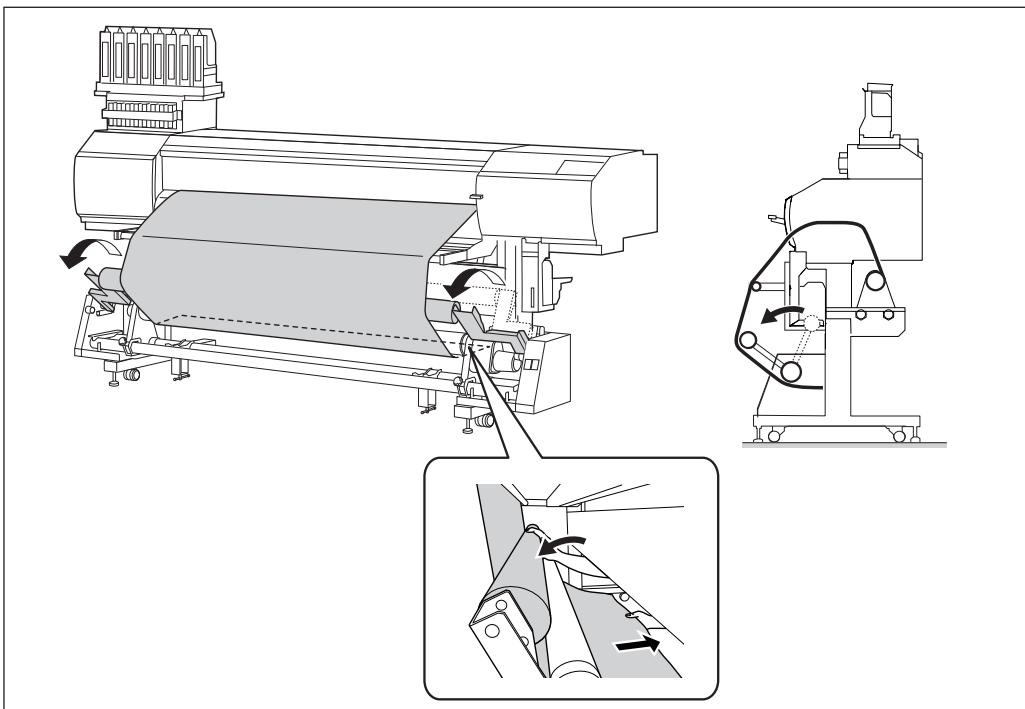
While holding the media, slowly lower the dancer bar forward.

Stop lowering the dancer bar when the paper tube (core) starts rotating. When doing so, do not move the hand holding the media away. After this, you will secure the media on the paper tube (core) in this position.

**When using the FORWARD setting**

(Go round to the back of the machine and,) while holding the media, slowly lower the dancer bar forward.

Stop lowering the dancer bar when the paper tube (core) starts rotating. When doing so, do not move the hand holding the media away. After this, you will secure the media on the paper tube (core) in this position.



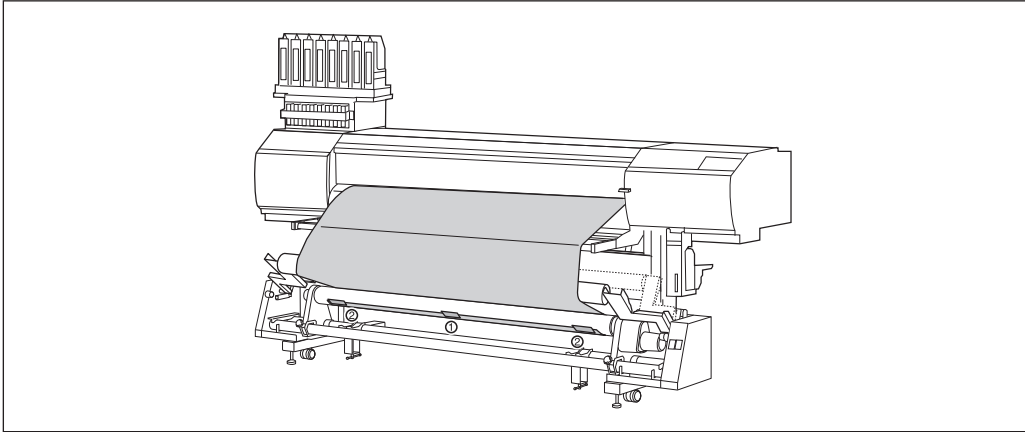
2

Basic
Operation

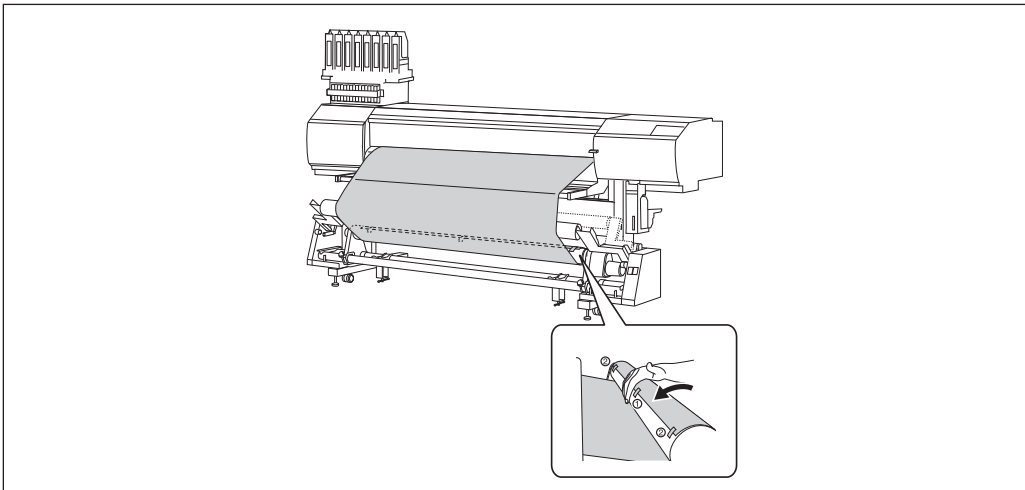
- 3 Attach the center and both ends of the media to the paper tube (core) using adhesive tape (three locations in total).

- ① While pulling the media so that it does not sag, secure the center of the media.
- ② While pulling the media from the center toward the outer edges, and fix the left and right edges.

When using the BACKWARD setting



When using the FORWARD setting



This completes the loading of the media.

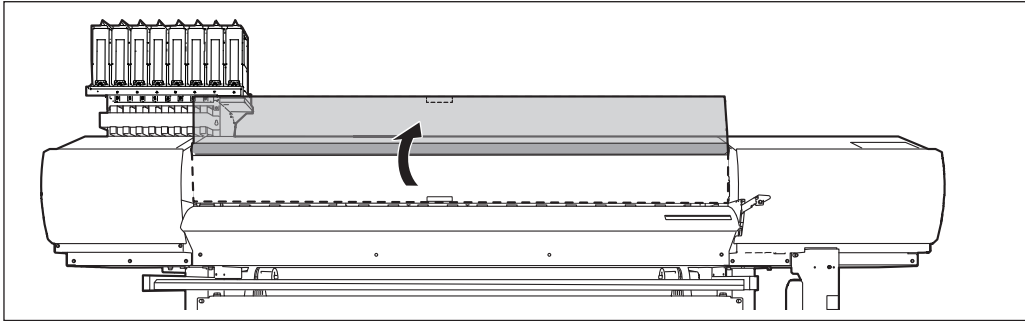
IMPORTANT!

- When take-up starts, take care that the leading edge of the media does not get folded or bent.
- When the media is cut (P. 51 "Cutting Off the Media"), the media is set free. Reload the media.
- Remove when not using roll media. If roll media is left unused in a loaded state for an extended period, the media will sag. This can cause poor printing quality and motor errors, so be sure to remove and store the media when not in use.

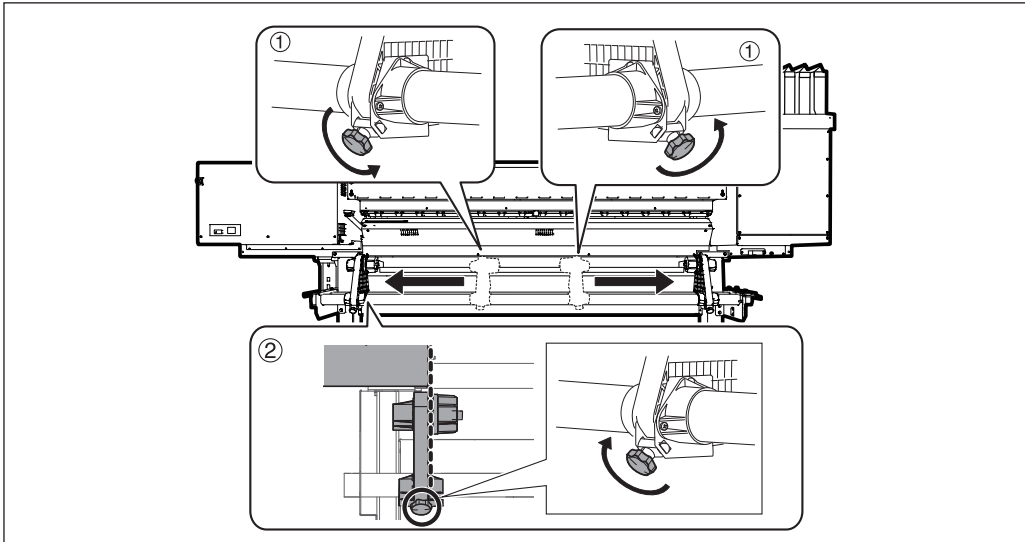
Loading Sheet Media

Procedure

- ① **Switch off the sub power.**
- ② **Open the front cover.**
Do not open the front cover until instructed to do so.



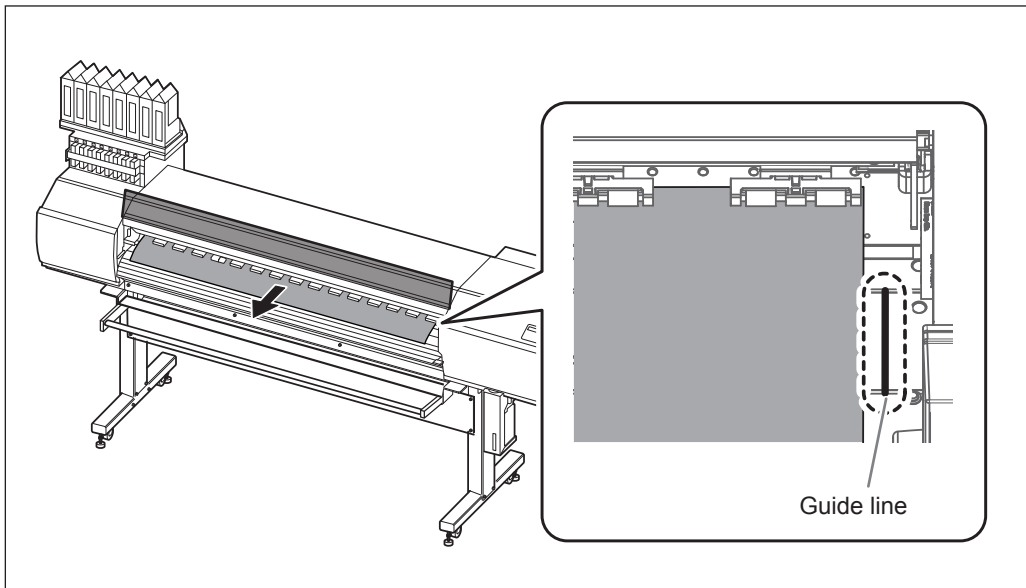
- ③ **Draw the media holders to both left and right ends respectively.**
Move them to a location where they don't disturb the media when the media is hung down from the rear of the machine. If they disturb the media, remove them along with the shaft. For information on how to remove, refer to "Setup Guide."



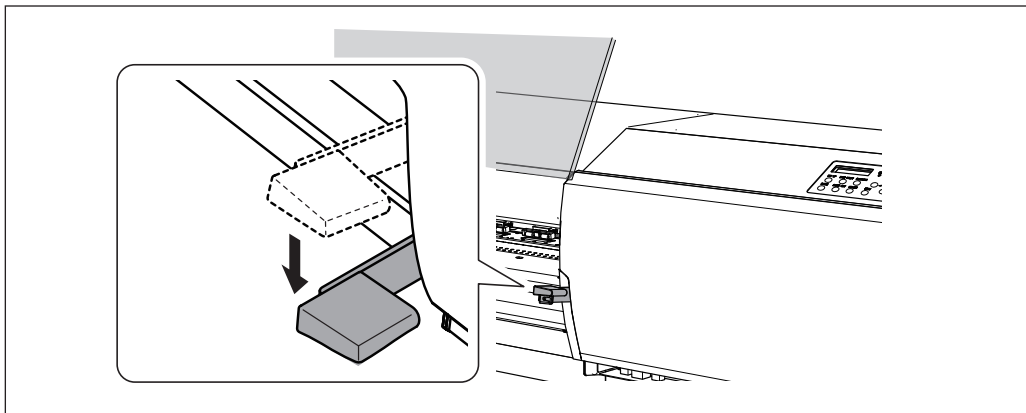
- ④ **Pass the media through the machine.**

☞ See P. 20 "Pass the media through the machine and secure the media holders." steps 2. ① - ④

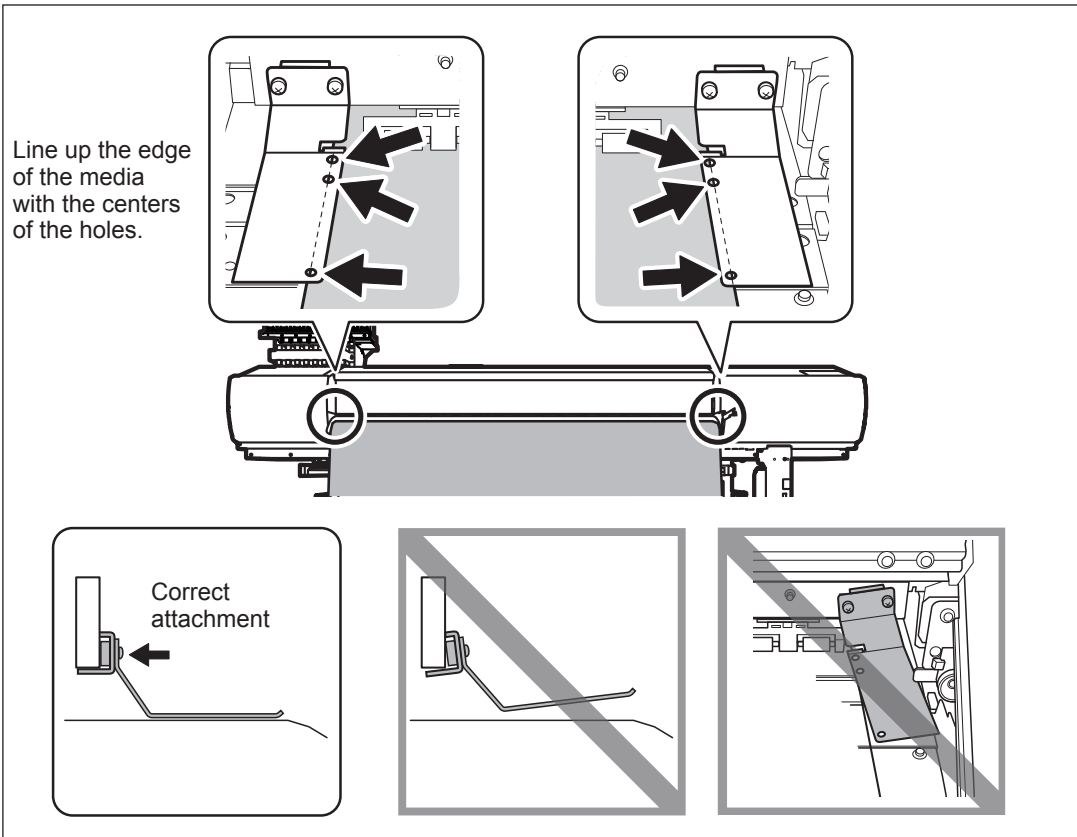
- 5** Align the front edge of the media with the location shown in the figure.
Make sure the right edge of the media is in line with the guide line.



- 6** Lower the loading lever (front side) to secure the media in place.



- 7** ① **Attach the right and left media clamps.**
 ② **Line up the edges of the media with the centers of the holes of the media clamps.**
 The media clamps are magnetic, and the left and right clamps are distinct. Refer to the figure and install the clamps in the correct positions, making sure not to confuse right and left.



- 8** **Load the media onto the take-up system.**
 See P. 24 "Load a paper tube onto the take-up system, and switch on the take-up system power." to P. 30 "Secure the media on the paper tube (core)."