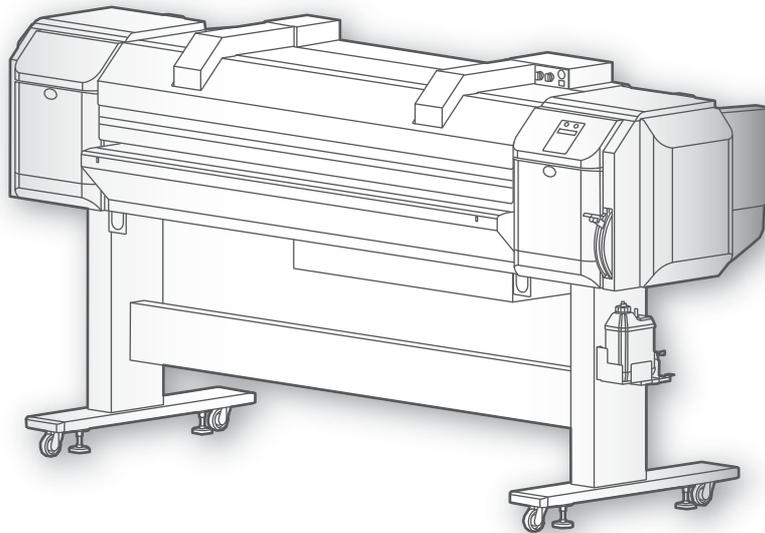


VJ-1628MH

Startup Guide

Unpacking and Initial Setup



Unpacking	2
Assembling	8
Connecting the cables	20
Setup	22
Test printing	34
Sleep Mode	48
Safety Instructions	50

-
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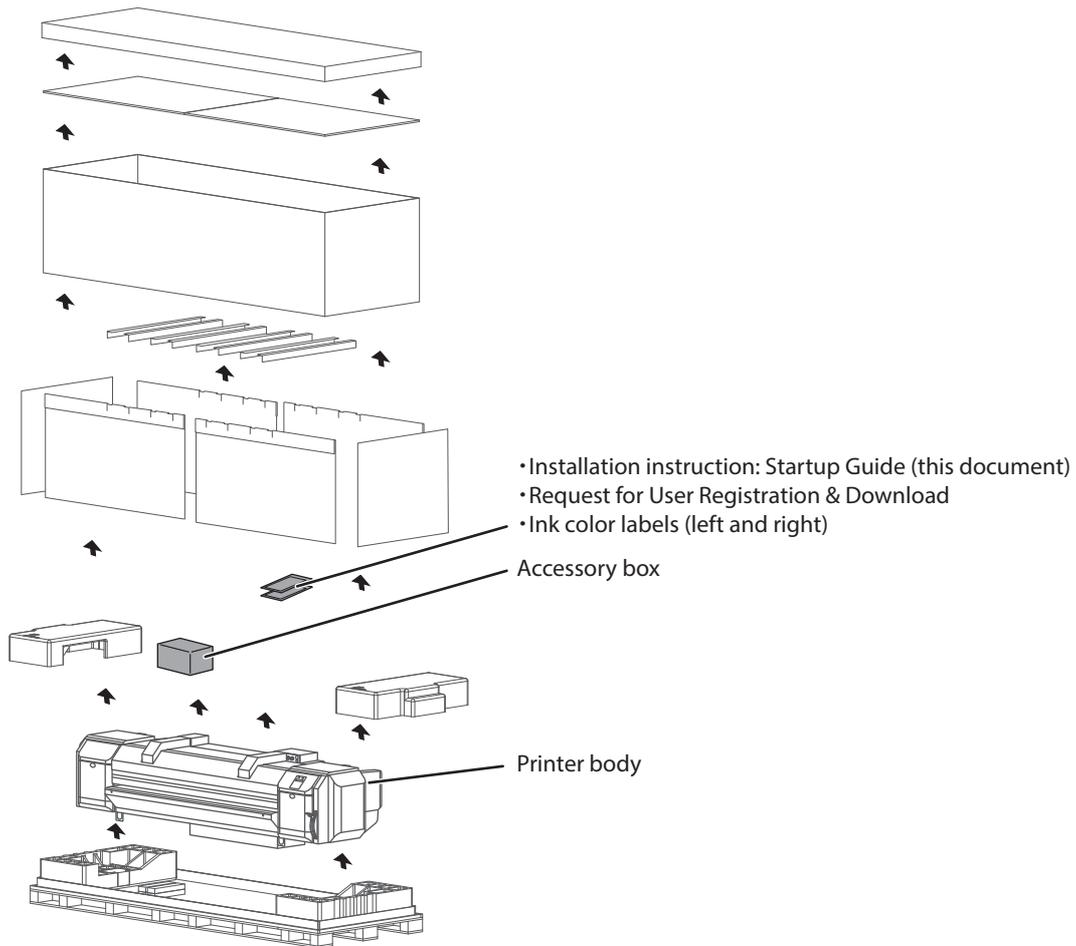
Unpacking

CAUTION

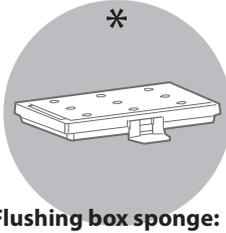
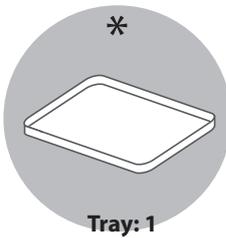
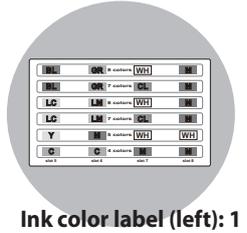
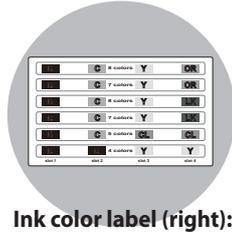
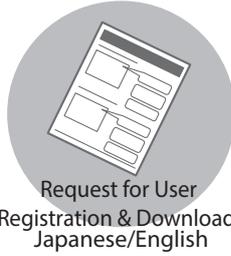
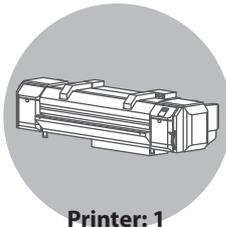
- Four or more people are required to unpack and move this printer.
- Keep this product level when moving it.

Unpacking the printer

[1] Open the packing box and take out each part.



[2] Check if the followings are included.

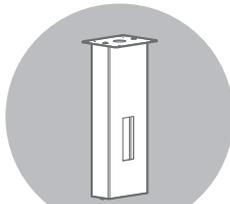


Note

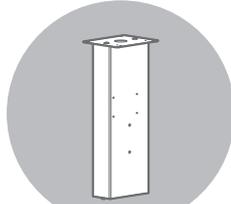
Items marked with an asterisk (*) above are in the accessory box.

Items in the stand box

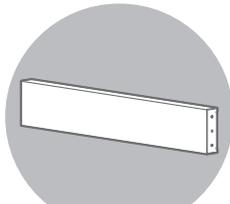
Check if the followings are included.



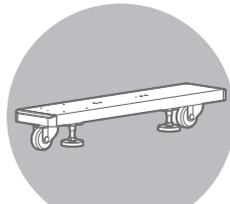
Leg part (Left): 1



Leg part (Right): 1



Connector bar: 1



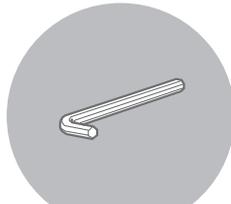
Base part: 2



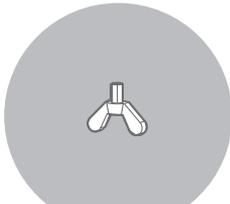
Waste fluid tank holder: 1



Hexagon socket head screw: 8



Hexagonal wrench: 1



Butterfly screw: 8



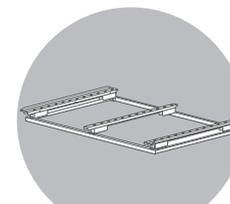
Waste fluid tank holder fixing screw: 4

Important!

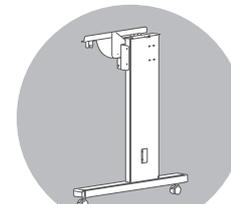
Use the Waste fluid tank holder in the accessory box.

Items in the Media-feed table (optional) box (half side)

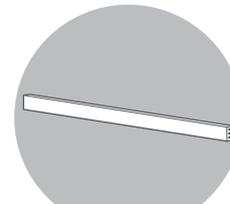
Check if the followings are included.



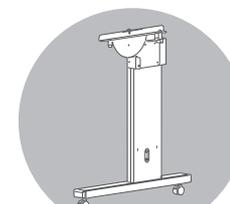
Frame: 1



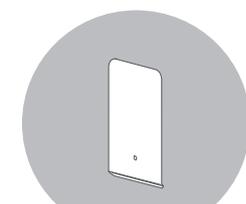
Leg (Left): 1



Reinforcement: 1



Leg (Right): 1



Stopper: 1



Installation plate (Left): 1



Installation plate (Right): 1



Hexagon socket head cap screw: 8



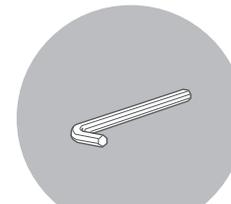
Screw: 4



Thumb screw: 1



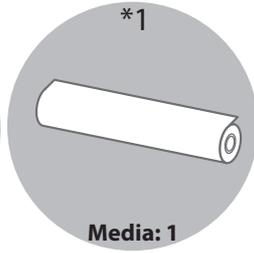
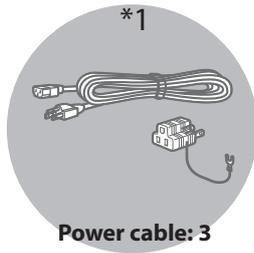
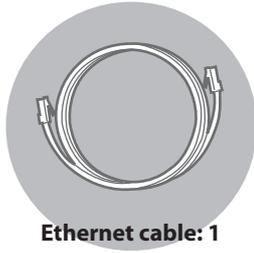
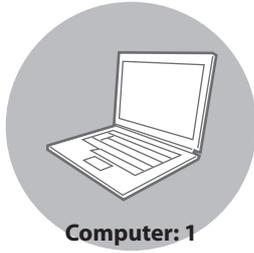
Hexagonal spanner: 2



Hexagonal wrench: 1

Things to prepare in order to install and use the printer

In order to install the product and make the initial settings, you will need the following things in addition to the packaged items.



When installing ink cartridge



When installing High capacity ink pack adapter



*1 Optional accessories or supplies.

*2 To install the 500 ml ink pack to the high-capacity ink pack adapter, refer to the operation manual included with the high-capacity ink pack adapter.

Important!

Make sure your computer meets the following requirements.

- OS: Windows 11, Windows 10

The OS support period of MUTOH software follows the Microsoft support lifecycle policies.

When using RIP software, please also see the system requirements of your RIP software.

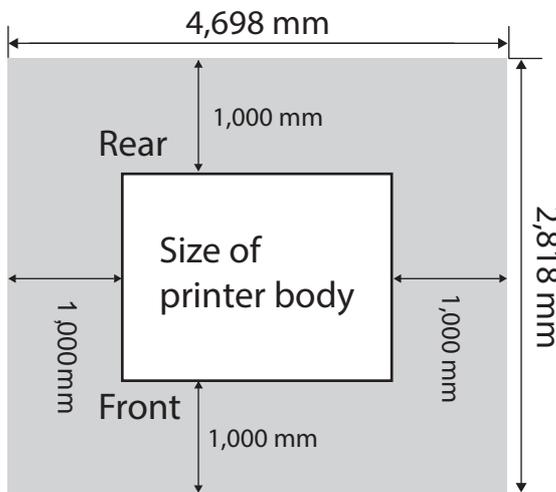
WARNING

Be sure to use a power cable of the specified type.

Using any other power cable could result in electric shock or fire.

Installation location

Minimum installation space



Size of printer body

width x depth : 2,698 mm x 818 mm

height : 1,302 mm

Ensuring a suitable place for installation

Install this product in a place that:

- is level
- has no vibration
- has low humidity and little dust
- has small variation in temperature and humidity
- has no drafts (including those from heating or air conditioning equipment) blowing onto it
- has low levels of electromagnetic radiation and noise

CAUTION

- **Keep the work area well-ventilated.**

The fumes from ink could adversely impact your health.

If you experience headache, fatigue or dizziness, immediately get to fresh air. If nausea persists, seek medical advice.

- **This equipment is not suitable for use in locations where children are likely to be present.**

Installation environment conditions

Install the product in an environment that satisfies the conditions in the table below.

Power supply specifications	Printer	Voltage: AC 100 V to 240 V $\pm 10\%$ Frequency: 50/60 Hz ± 1 Hz Capacity: No less than 3 A
	Heater $\times 2$	Voltage: AC 100 V to 120 V $\pm 10\%$ / AC 200 V to 240 V $\pm 10\%$ Frequency: 50/60 Hz ± 1 Hz Capacity <ul style="list-style-type: none"> • Heater 1: No less than 10 A (AC 100V to 120V) Heater 1: No less than 10 A (AC 200V to 240V) • Heater 2: No less than 10 A (AC 100V to 120V) Heater 2: No less than 0 A (AC 200V to 240V)
Environmental conditions	Operating environment	Temperature 20 to 28 °C, Humidity 40 to 60% No condensation
	Recommended Printing Environment	Temperature 22 to 28 °C, Humidity 40 to 60% No condensation
	Environment for storage	<ul style="list-style-type: none"> • Storage without ink charging: up to 6 months Temperature -20 to +60 °C, Humidity 20 to 80% • Storage with ink charging: up to 30 days ^{*1*2} Temperature 5 to 30 °C, Humidity 20 to 80% <p>^{*1} Perform the Daily Maintenance instructed in the Operation manual.</p> <p>^{*2} Always leave the printer in sleep mode and check the remaining ink level once a week.</p> <p>Agitate ink in the cartridge once a week as instructed.</p>

Assembling

Assemble the printer

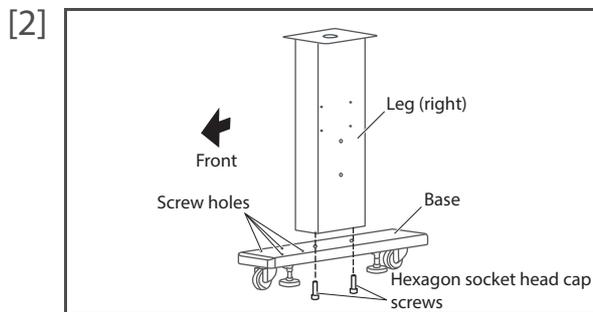


Four or more people are required to assemble this printer.

Procedure for assembling the stand

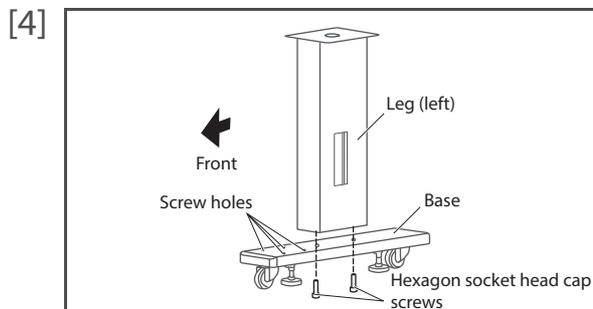
Follow the procedure below to assemble the stand.

[1] Assemble the right stand.

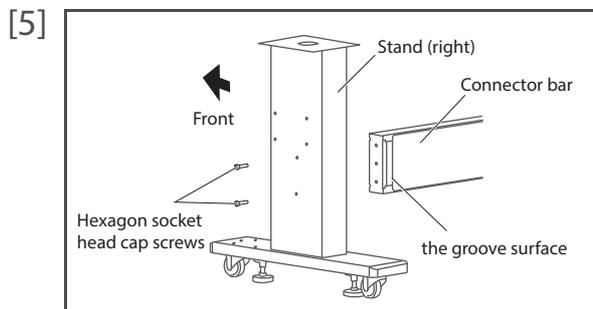


Attach the right leg part to the right base part so that four screw holes in the base part are at the front.

[3] Tighten two hexagon socket head cap screws using a hexagonal wrench (supplied accessory).

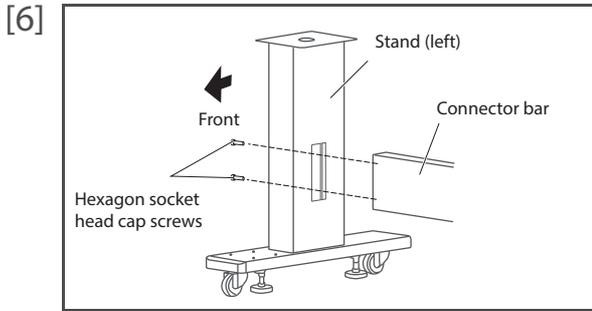


Assemble the left stand in the same way as in Step 2, 3.

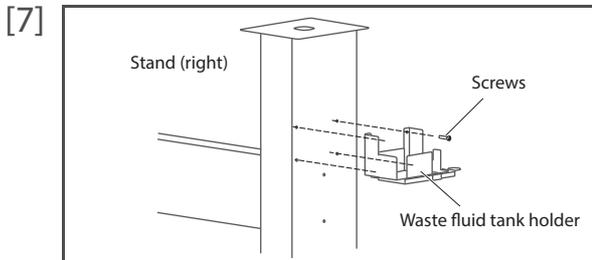


Fasten the connector bar to the right stand using two hexagon socket head cap screws.

- Attach the connector bar with the groove facing the rear as shown left.



Fasten the connector bar to the left stand in the same way as in Step 5.

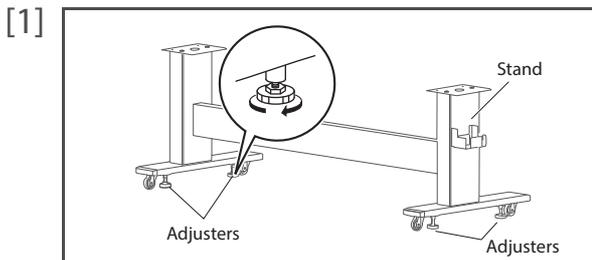


Attach the waste fluid tank holder to the right stand using four screws.

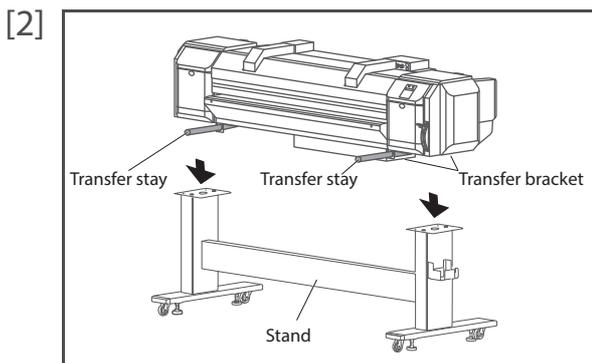
[8] Shake the stand to make sure that each part is firmly attached.

Procedure for attaching the stand

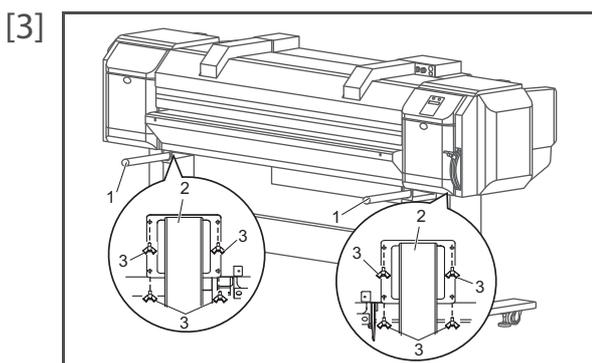
Follow the procedure below to attach the stand to the printer.



Turn the four adjusters as shown below to prevent the stand from moving.



Insert the two transfer stays into the right and left transfer brackets, lift the printer with four or more people and place it on the stand.



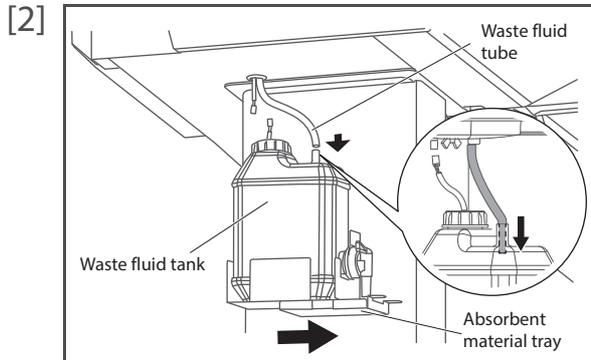
Remove the two transfer stays and fasten the printer to the stand using eight butterfly screws.

- 1: Transfer stays
- 2: Stand
- 3: Butterfly screws

Procedure for attaching the waste fluid tank

Follow the procedure below to attach the waste fluid tank.

[1] Place the waste fluid tank in the waste fluid tank holder.

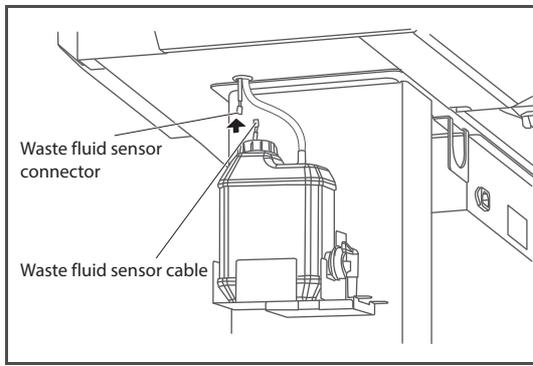


Attach the waste fluid tube to the tank.

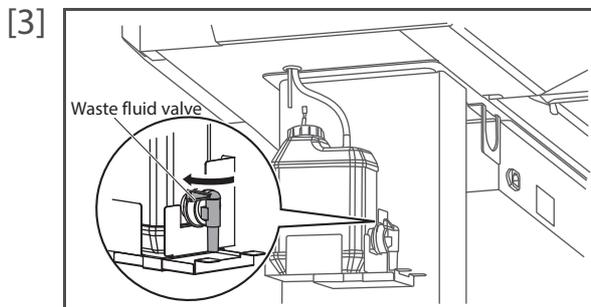
- Attach the waste fluid tube to the tank.
- Pull out the absorbent material tray.

Important!

Make sure the inner tube is fully inserted into the waste fluid tank. If not, waste ink may be spilled from the tank.



Insert the waste fluid sensor cable into the connector on the bottom of the printer.

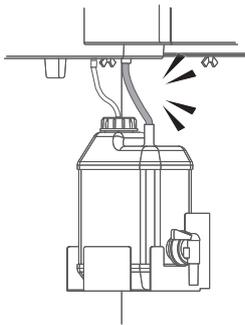


Confirm that the waste fluid valve is closed.

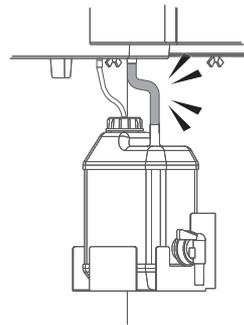
Important!

- After connecting the waste fluid tube, make sure that the tube is not bended. This will lead to ink spillage.

Good



No good



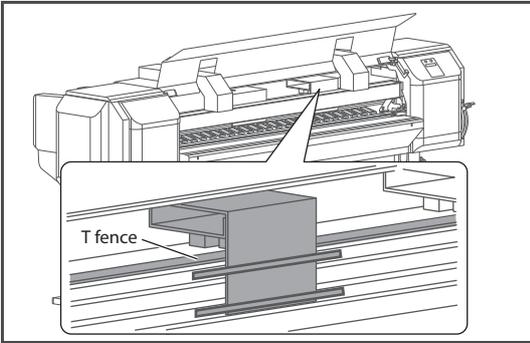
Detaching fastening materials

Follow the procedure below to detach all protective materials.

[1] Remove all tapes from each cover.

[2] Open the front cover and remove all protection materials fixed with tape.

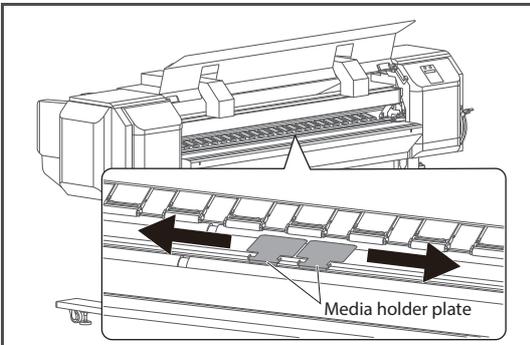
[3] Peel off the tape, be careful not to come in contact with T fence, and remove the Bearer collapse prevention material and Bearer fix.



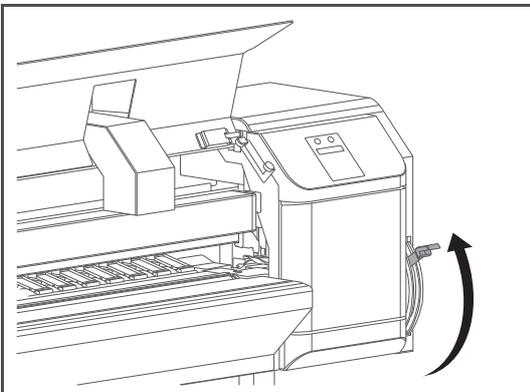
Important!

Make sure not to damage T fence during operation. If T fence is damaged, it will affect print results.

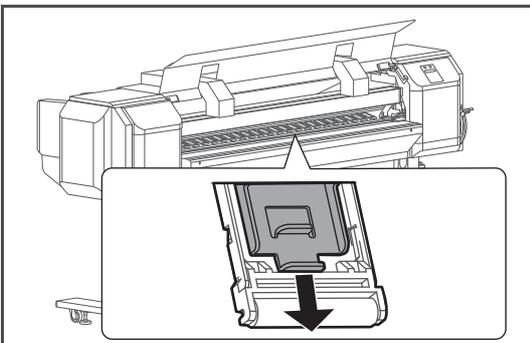
[4] Remove the tape, and move the media holder plates to the left and the right edge.

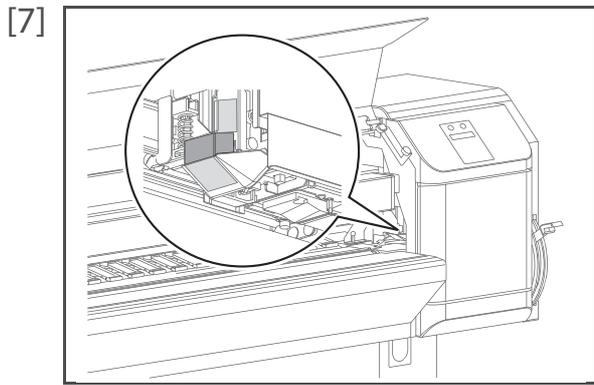


[5] Raise the media loading lever.

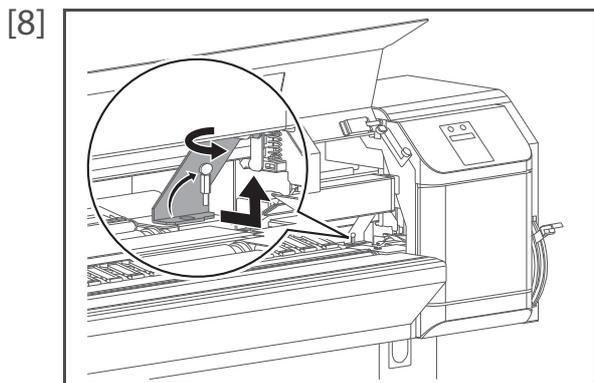


[6] Slide the slide lock levers on all the pressurizing rollers fully down.



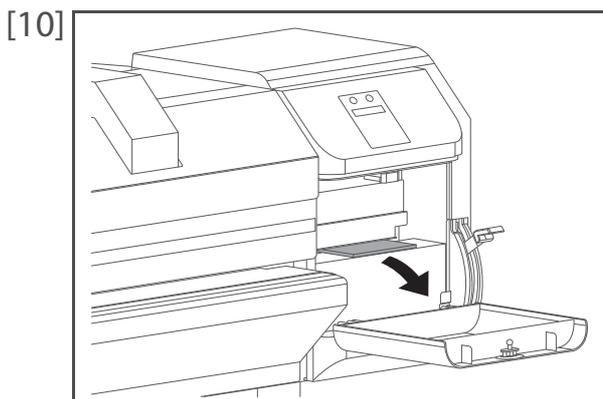


Peel off the tape, and remove the protective material from the head strike prevention sensor.

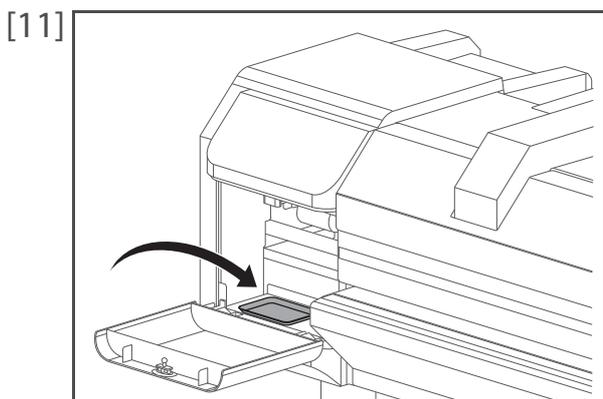


Remove a screw from the carriage bracket and then remove the bracket.

[9] Close the front cover.

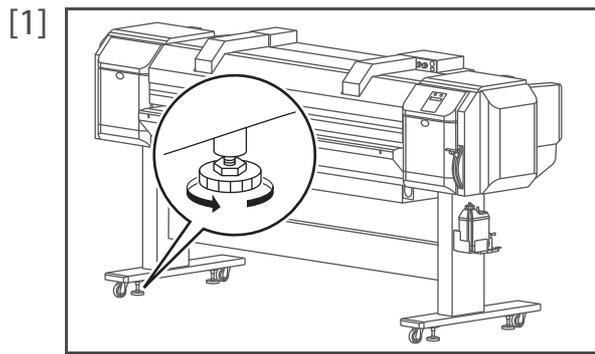


Open the right maintenance cover.
Remove the cushioning material from the printer.
• Close the maintenance cover.



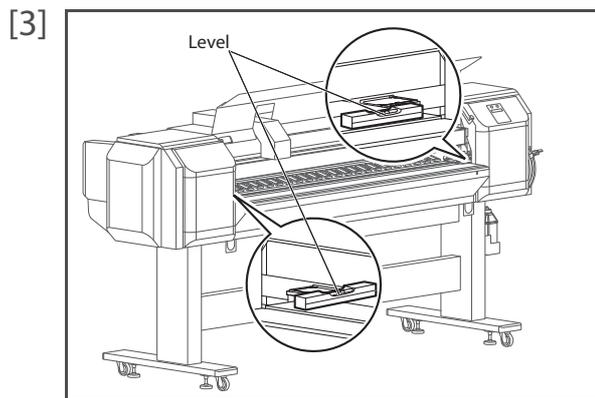
Open the left maintenance cover, then place the tray.
• Close the maintenance cover.

Checking the levelness



Turn the following adjusters in the direction as shown left to prevent the printer from moving.

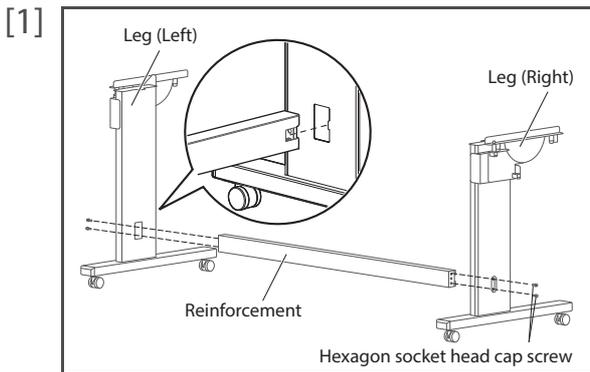
[2] Open the front cover.



Set the level on the right and left platens and adjust so that the printer stays flat.

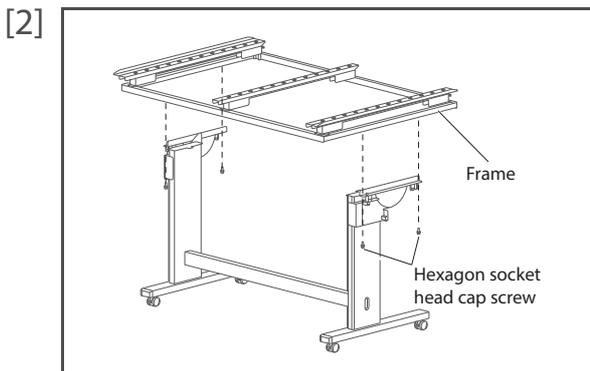
Assembling the media-feed table (optional)

To print on a rigid media, follow the steps below to assemble the media-feed tables.



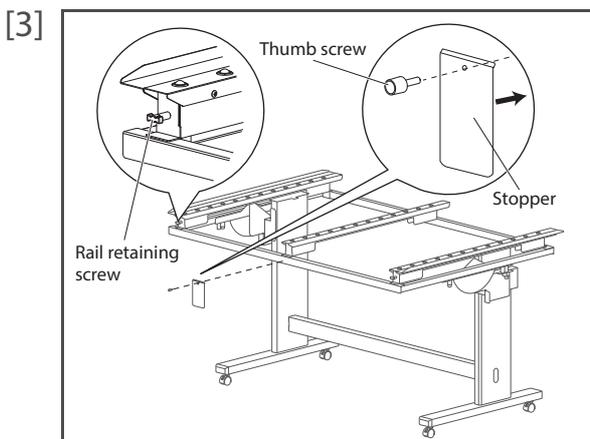
Use hexagon socket head cap screws (4 pieces) to fix the reinforcement between the legs (right and left).

- Place the convex sections of the legs (right and left) along the notch of the reinforcement to assemble.



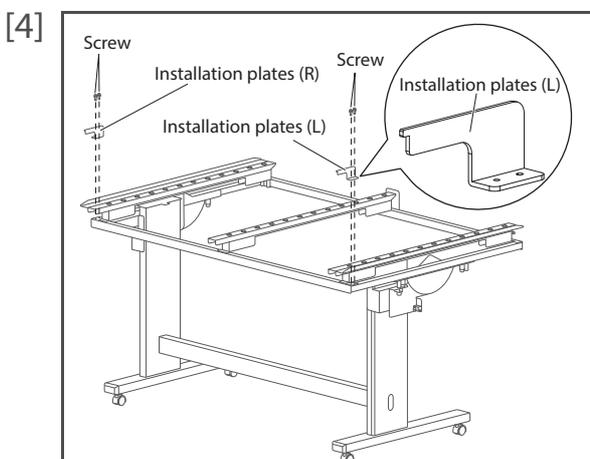
Place the Frame on the legs and fix it with four hexagon socket head cap screws.

- Firmly insert the protruding portions of the legs to the holes of the Frame to fix it.



Use the thumb screw to fix Stopper on Frame.

- Install Stopper on the side of rail retaining screw.
- Install Stopper so that the curved part matches Frame.



Use the screws (2 pieces each) and fix Installation plates (R and L) on Frame.

- Install Installation plates on the opposite side of rail fixing screw.

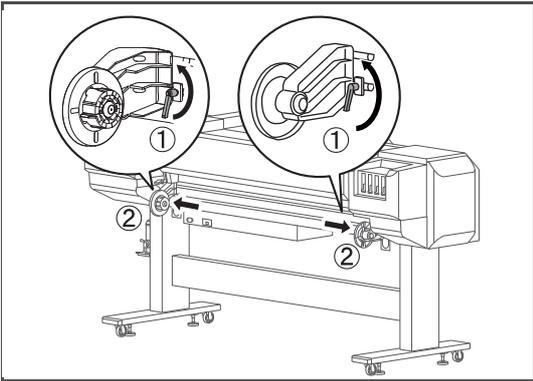
Attaching the media-feed table (optional)

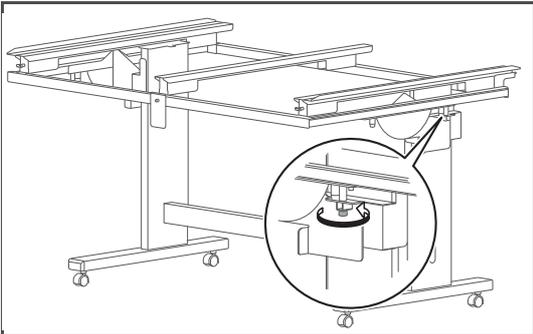
Before printing on a rigid media, follow the steps below to install the media-feed tables.

Required items:

- Hexagonal spanner (supplied with the media-feed table)
- Level (supplied with the printer)

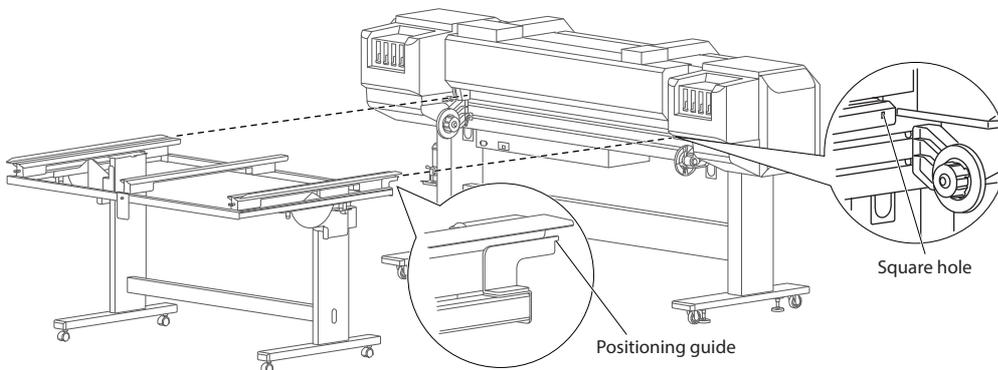
Rear side procedure

[1]  Loosen the fixing levers on the right and left side of the rear. Set the distance between the roll media holders wider than the roll media width.

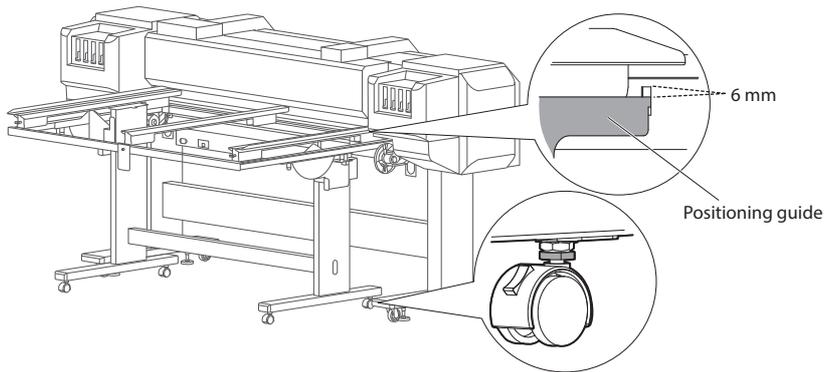
[2]  Check that the leveling screws on the left and right side of the table are tightened.

 **Note**
When fixing the leveling screws, hold the frame while pressing the rubber foot, and then turn the screw until it doesn't turn any further.

[3] Insert the positioning guide of Media-feed table into the square hole of Paper guide R.



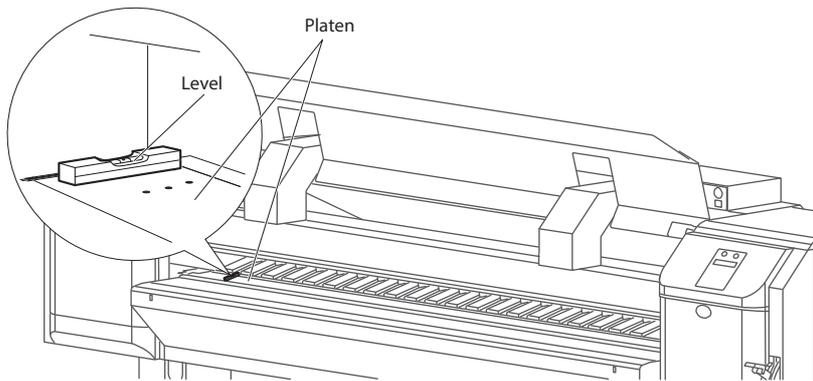
- [4] Turn the screws on the caster of Media-feed table (2 places, ones closer to the printer) with a spanner. Adjust so that there is a 6 mm gap between the top side of the square hole of Paper guide R and the top side of the positioning guide.



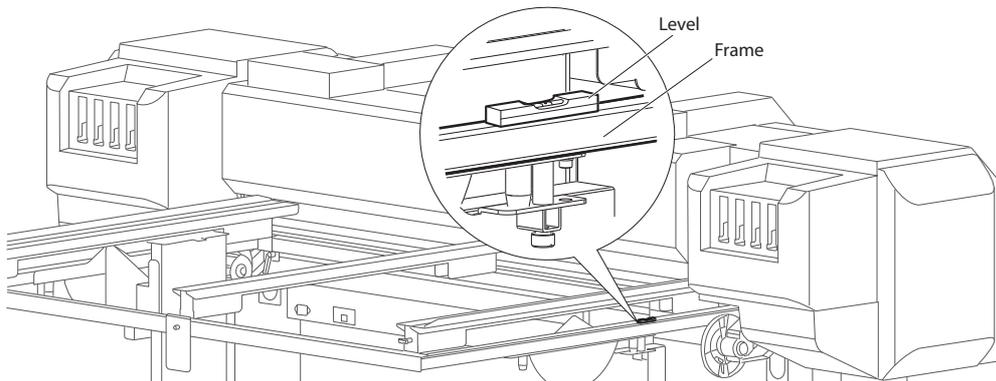
 Note

- Caster of Media-feed table has two types of screws. Turn the bottom screw.
- Turn the screw clockwise to raise Media-feed table.

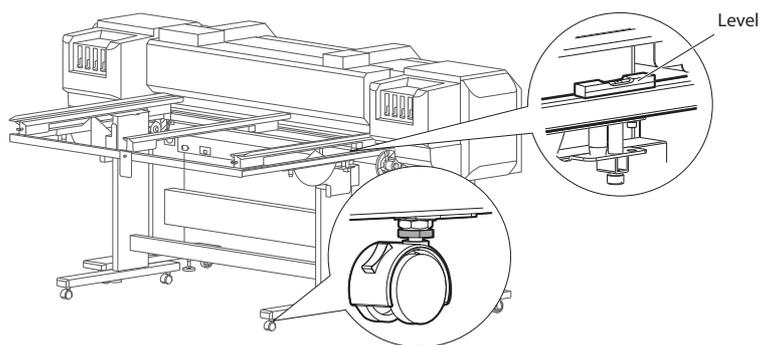
- [5] Place the level at the edge of printer's platen, and check the position of the air bubble.



- [6] Place the level on the frame of Media-feed table.
Place the level on the same side as when you placed it on the printer.

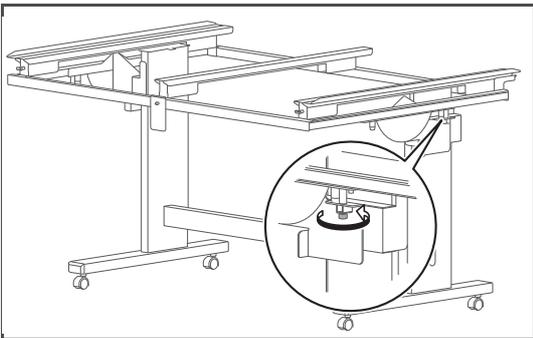


- [7] Turn the screw of Media-feed table's caster (the one further from the printer) with a spanner, and adjust the slant. Make sure that the position of the level's air bubble is at the same position as when you place it on the printer.



- [8] Adjust the slant on the other side in the same way.

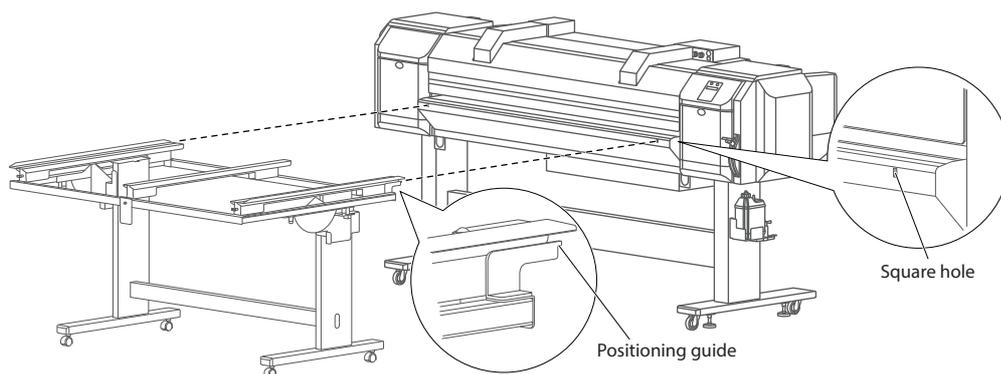
Front side procedure

- [1]  Check that the leveling screws on the left and right side of the table are tightened.

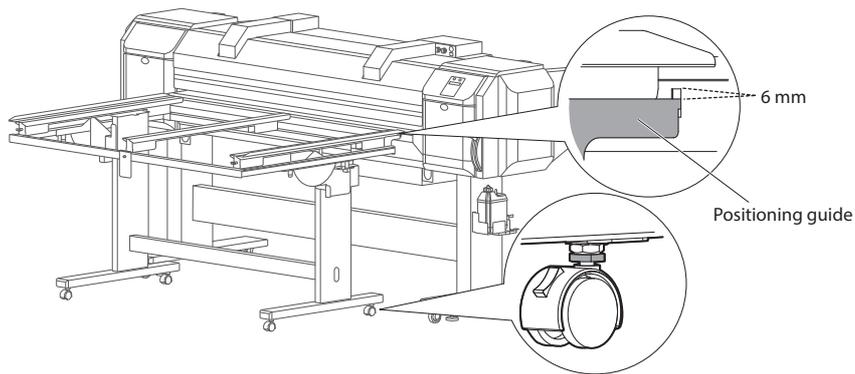
 **Note**

When fixing the leveling screws, hold the frame while pressuring the rubber foot, and then turn the screw until it doesn't turn any further.

- [2] Insert the positioning guide of Media-feed table into the square hole of Paper guide F.



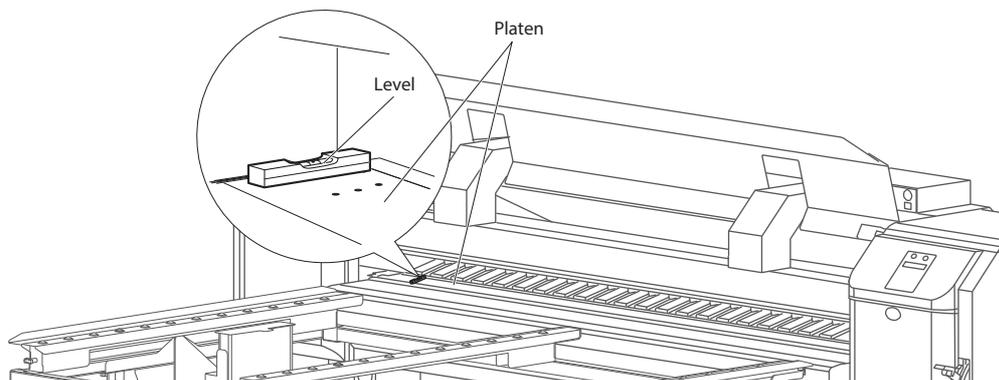
- [3] Turn the screws on the caster of Media-feed table (2 places, closer to the printer) with a spanner. Adjust so that there is a 6 mm gap between the top side of the square hole of Paper guide F and the top side of the positioning guide.



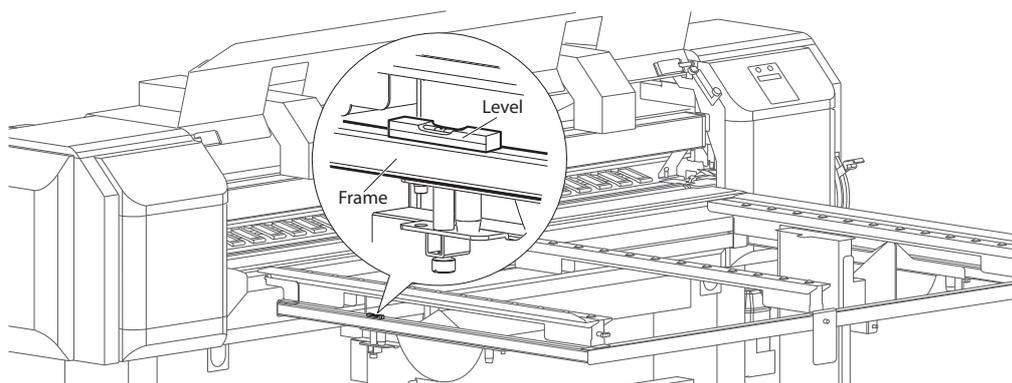
 **Note**

- Caster of Media-feed table has two types of screws. Turn the bottom screw.
- Turn the screw clockwise to raise Media-feed table.

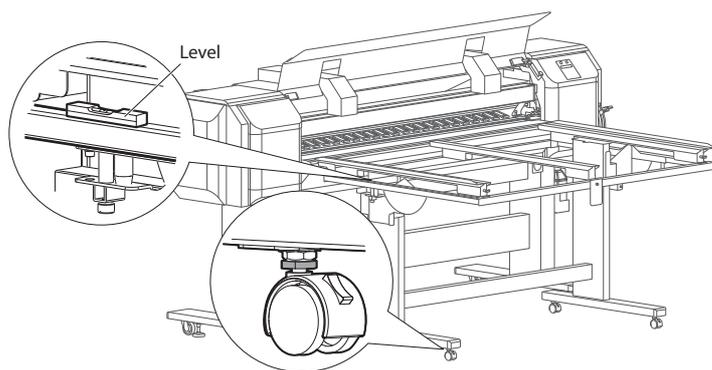
- [4] Place the level at the edge of printer's platen, and check the position of the air bubble.



- [5] Place the level on the frame of Media-feed table. Place the level on the same side as when you placed it on the printer.



- [6] Turn the screw of Media-feed table's caster (the one further from the printer) with a spanner, and adjust the slant. Make sure that the position of the level's air bubble is at the same position as when you place it on the printer.

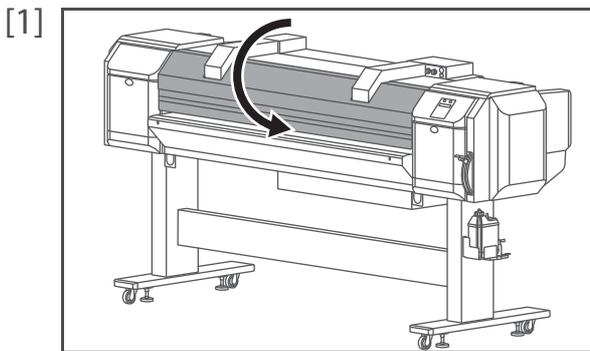


- [7] Adjust the slant on the other side in the same way.

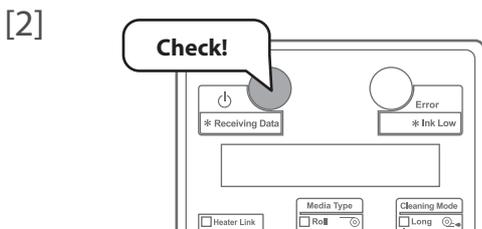
Connecting the cables

Connecting power cable

1. Before connecting the cables...



Close the front cover.

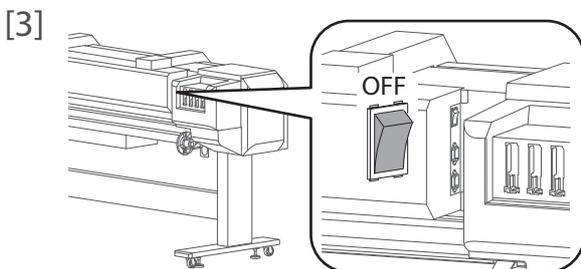


Make sure that the printer is turned off.



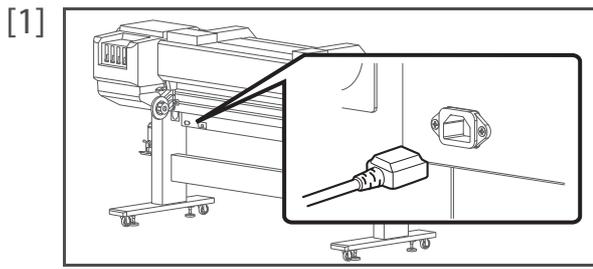
Note

If the power switch is in a pressed-inward state, it is turned on and you must press it again to turn it off.

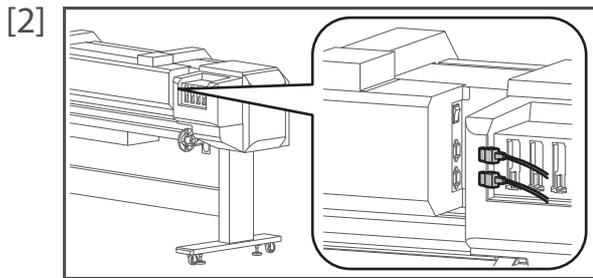


Make sure that the blower heater is turned off.

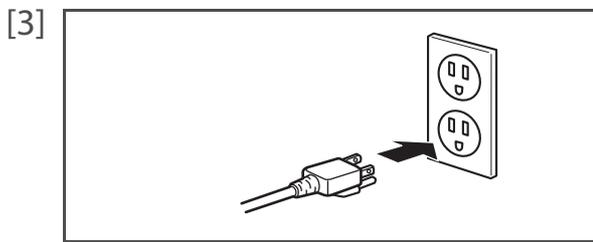
2. Connecting the power cable



Connect power cable to the printer.



Connect the power cables (x2) to the blower heater.



Insert the plug of the power cables correctly in the sockets.

Important!



Electric shock hazard.

This printer has three power cords. To unplug from the wall outlet, make sure to unplug both of them.



Setup Procedure

Perform activation

Activate this product from the operation panel.

Configuring the initial settings

Select the language and units of the operation panel display.

Initial Charging

Install ink cartridges (ink bags) into this product and perform ink charging.

Loading the media for test printing

Set the media to print the nozzle check pattern.

Nozzle check and cleaning

Print the nozzle check pattern and perform cleaning the head until the all lines are clearly printed.

Connecting to a Computer

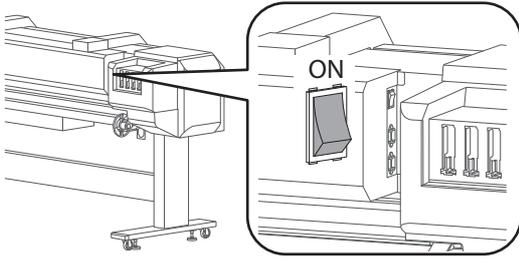
Enter the printer IP address on the operation panel.
Install MUTOH Status Monitor (MSM) and set up the printer with MSM.

The setup is now complete!

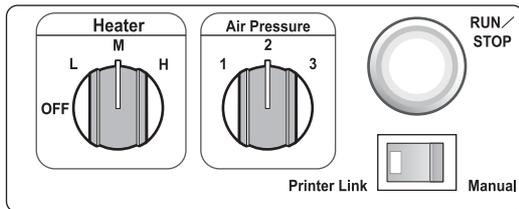
Turning the power ON

[1] Close the front cover.

[2] Turn ON the power switch of blower heater on the rear side of the printer.



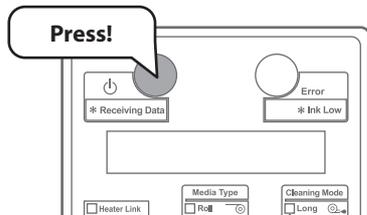
[3] Turn Link switch of blower heater on the front of the printer to "Printer Link".



- Link switch blinks.

[4] Press the power button to turn the power ON.

- The blue light becomes ON.
- This product starts its initialization operations.



Perform Activation

This product requires activation when you turn the power ON for the first time.

Activation required

When the message on the left appears, carry out activation.
There are two ways of carrying out activation.

 ["To activate via the control panel" P. 24](#)

 ["To activate via the Internet" P. 24](#)

To activate via the control panel

[1]

Activation required

Press the [Enter] key.



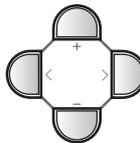
[2]

0000-0000-0000-0000

Enter a 16-digit activation code.

- Use the [+] key to increase a setting value.
- Use the [-] key to decrease a setting value.
- Use the [<] key to move the cursor to the previous digit.
- Use the [>] key to move the cursor to the next digit.

Press the [Enter] key after entering each digit.



 **Note**

Obtain the activation code from the distributor, by email or other means.

[3]

Reboot a printer

- Turn the power OFF.
- Wait a short while, then turn the power ON, to restart the printer.



To activate via the Internet

Activation required

Carry out activation according to the "Printer Activation Guide".

 **Note**

You can obtain the "Printer Activation Guide" by accessing the MUTOH Club via the Internet address below and registering as a user under "Register".

<https://mutoh-club.com/mutoh/guser/>

Configuring the initial settings

Configure the initial settings according to the instructions displayed.

Configuring the operation panel language and units

- [1] **Language :** **English** Press the [Enter] key.
- 
- [2] **Length :** **mm** Press the [Enter] key.
- 
- [3] **Initializing** The printer starts initialization operations.

Initial ink charging

Preparation

- Cleaning wiper: 1
- Cleaning cartridge (Cleaning bag): 8
- Ink cartridge (Ink bag): 8
 - 4 color setting:
Black (K), Cyan (C), Magenta (M), Yellow (Y): 2 cartridges (bags) each
 - 5 color setting:
Black (K), Cyan (C), Magenta (M), Yellow (Y): 1 cartridge (bag) each
White (Wh), Cleaning (Cl): 2 cartridges (bags) each
 - 7 color (Light color) setting:
Black (K), Cyan (C), Magenta (M), Yellow (Y), Light Cyan (LC), Light Magenta (LM),
Light Black (LK), Cleaning (Cl): 1 cartridge (bag) each
 - 7 color (OGB) setting:
Black (K), Cyan (C), Magenta (M), Yellow (Y), Orange (OR), Green (GR), Blue(BL),
Cleaning (Cl): 1 cartridge (bag) each
 - 8 color (Light color) setting:
Black (K), Cyan (C), Magenta (M), Yellow (Y), Light Cyan (LC), Light Magenta (LM),
Light Black (LK), White (Wh): 1 cartridge (bag) each
 - 8 color (OGB) setting:
Black (K), Cyan (C), Magenta (M), Yellow (Y), Orange (OR), Green (GR), Blue(BL),
White (Wh): 1 cartridge (bag) each

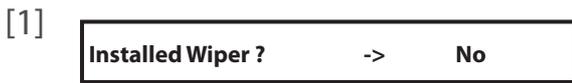
Important!

Avoid using the cleaner cartridge (or cleaner bag) that you used for initial cleaning as it may not have enough ink for initial ink charging.

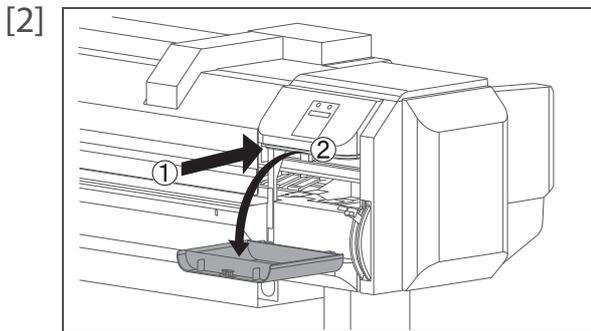
Note

- When using ink bags, high-capacity ink pack adapters are required.
- For proper instructions of high-capacity ink pack adapter, see the High-Capacity Ink Pack Adapter Operation Manual.

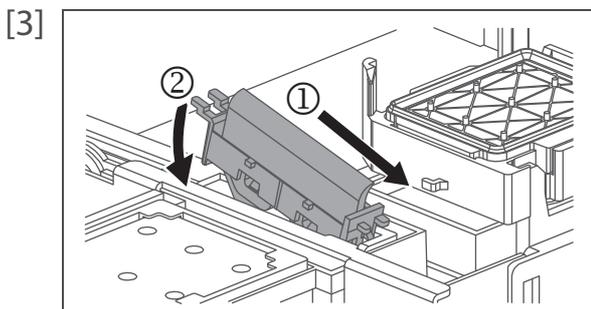
1. Installing the cleaning wiper



- The message on the left will appear.
- Press the [Enter] key.



- Open the right maintenance cover.



- Follow the steps below to install cleaning wiper.
- Slide the front side of the cleaning wiper into its slot.
 - Press the wiper hook down until it clicks into place.



**Do NOT touch the cleaning wiper rubber with your bare hand.
If finger oil gets on the rubber, it will damage the print head.**

- [4] Close the maintenance cover.



- Use the [+] or [-] key on Operation panel to select "Installed Wiper? Yes".
- Press the [Enter] key.

2. Initial cleaning

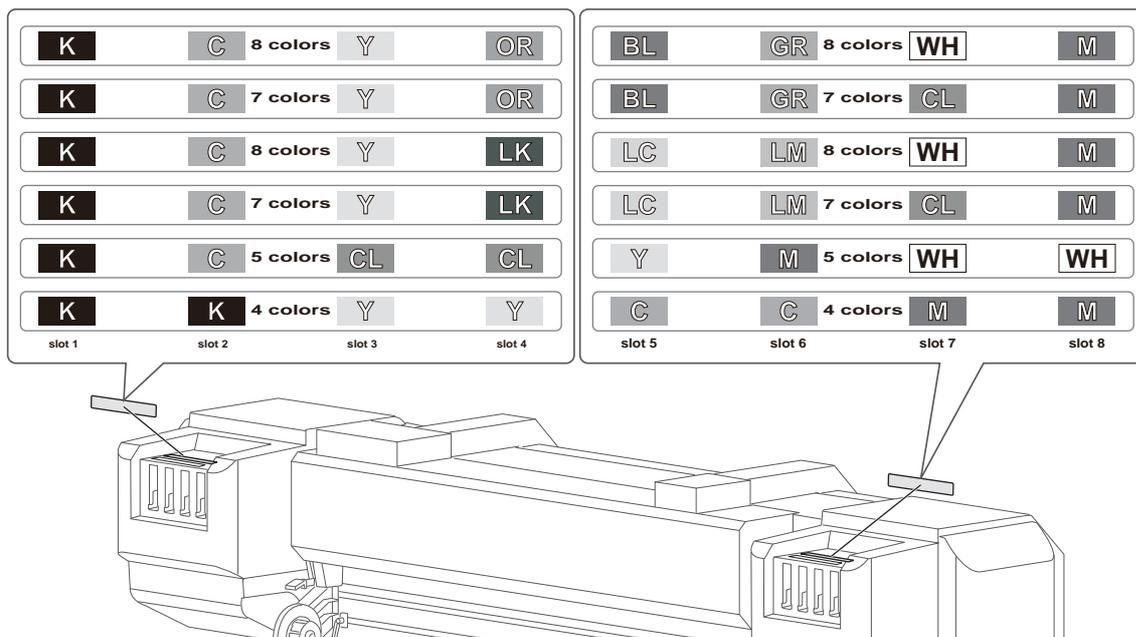
[1] Press the [Enter] key.

Start Ink Charge -> E

[2] • Use the [+] or [-] key on Operation panel to select the ink color setting.
• Press the [Enter] key.

Comb. : * [*****]

[3] According to the ink configuration selected, apply an appropriate ink color label to the top surface of the ink slot.



Important!

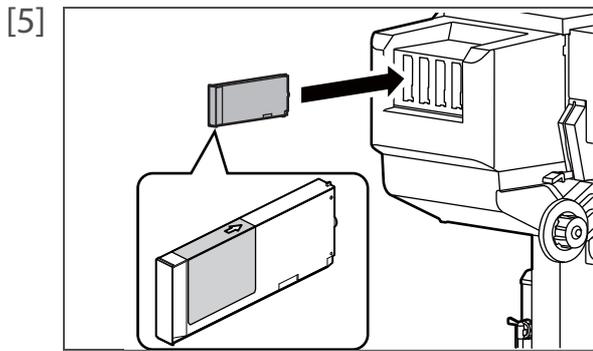
- The ink slot labels are included in the same plastic bag as this document.
- Make sure to apply with the correct order of ink colors.

[4] Make sure the waste ink tank is empty, and press the [Enter] key.

Empty WasteInk -> E

The message on the left will appear.

Insert CleaningCart.



Insert cleaning cartridges into all the cartridge slots.

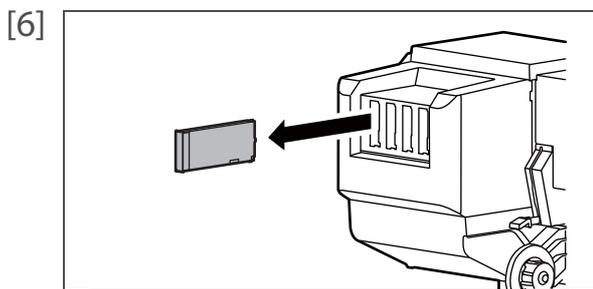
- The arrow should face up.
- Insert all the way to the end.

Busy-Washing

The printer starts charging cleaning fluid.

Remove Cartridges

When cleaning fluid charging ends, the message on the left will appear.



Remove all cleaning cartridges from the ink cartridge slots.

Busy-Washing

The printer starts discharging cleaning fluid.



If the message on the left appears, prepare a PET bottle or other container to drain waste fluid from the printer.

- Press the [Enter] key.

3. Emptying the waste fluid tank

WARNING



You are obligated to properly dispose of waste fluid from the printer in compliance with Wastes Disposal and Public Cleansing Act and local ordinances. Delegate disposal to an industrial waste disposal contractor.

CAUTION

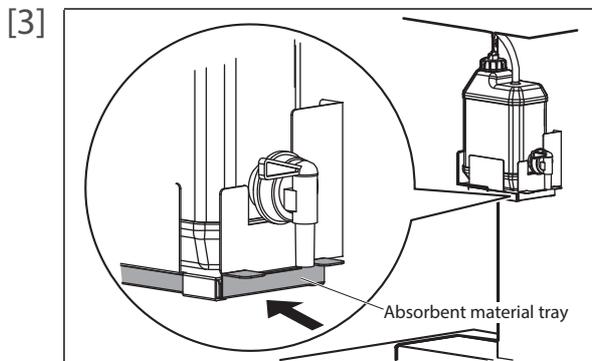


Be cautious that ink does not get into your eye or make a contact with your skin. Wear gloves.

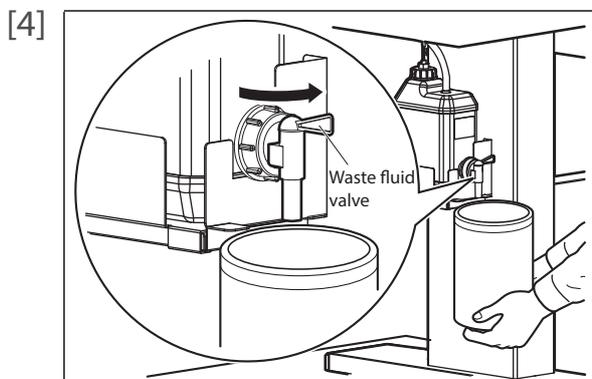
When ink gets into your eye or make a contact with your skin, wash with water immediately. If left as it is, it may cause red eye or light inflammation. If it is necessary, please see your doctor immediately.

[1] Prepare a container to drain the waste fluid.

[2] Lay a protective material on the floor under the waste fluid tank.



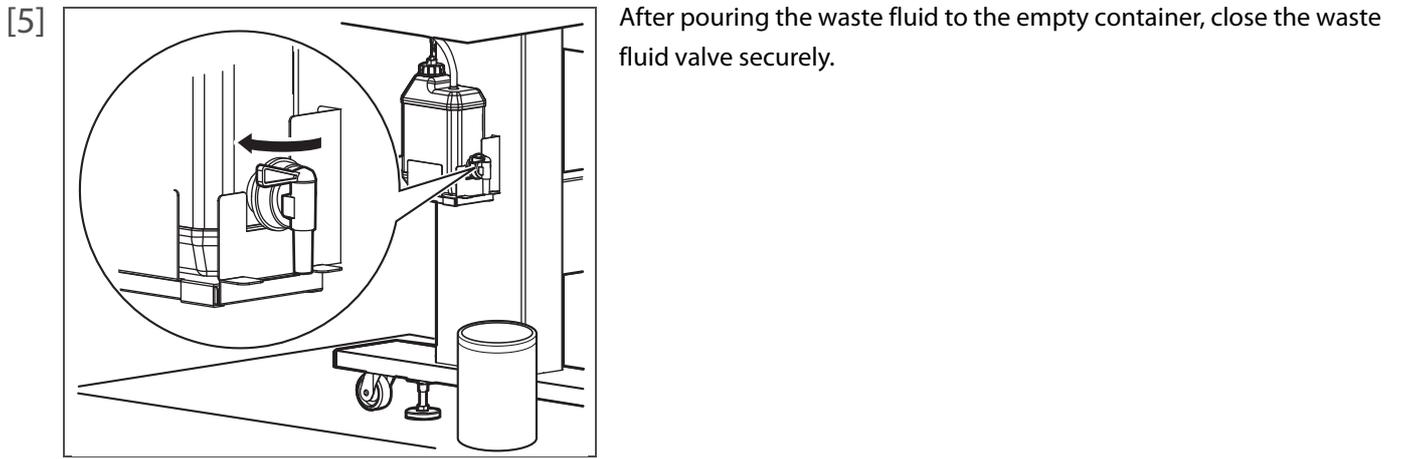
Press on the absorbent material tray of the waste fluid valve to store it.



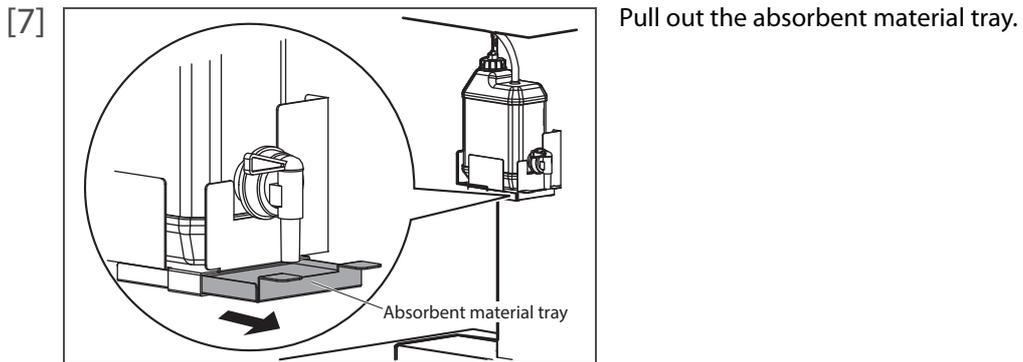
Open the waste fluid valve, and transfer the waste fluid to the container.

Important!

When pouring the waste fluid to the empty container, the waste fluid may splash, therefore put the container close to the waste fluid valve.



[6] Wipe the opening of the waste fluid valve with a cloth, etc.



[8] Dispose of the waste fluid as an industrial waste product.

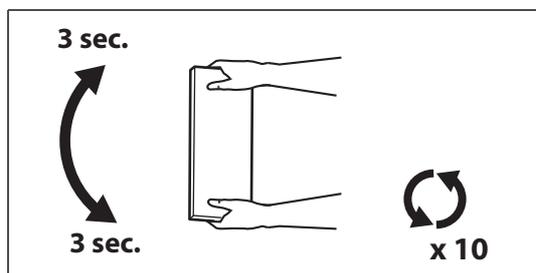
4. Initial ink charging

[1]

Insert InkCartridges

The message on the left will appear.

[2]



Make sure you agitate the ink cartridge after you unpack it.

- Turn the ink plug upward and wait for three seconds.
- Next, turn the ink plug downward and wait for three seconds.
- Repeat that 10 times.

You need the following ink cartridges:

4-color setting

- Black (K): 2
- Yellow (Y): 2
- Cyan (C): 2
- Magenta (M): 2

5-color setting

- Black (K): 1
- Cyan (C): 1
- Cleaner (Cl): 2
- Yellow (Y): 1
- Magenta (M): 1
- White (Wh): 2

7-color (Light color) setting

- Black (K): 1
- Cyan (C): 1
- Yellow (Y): 1
- Light Black (LK): 1
- Light Cyan (LC): 1
- Light Magenta (LM): 1
- Cleaner (Cl): 1
- Magenta (M): 1

8-color (Light color) setting

- Black (K): 1
- Cyan (C): 1
- Yellow (Y): 1
- Light Black (LK): 1
- Light Cyan (LC): 1
- Light Magenta (LM): 1
- White (Wh): 1
- Magenta (M): 1

7-color (OGB) setting

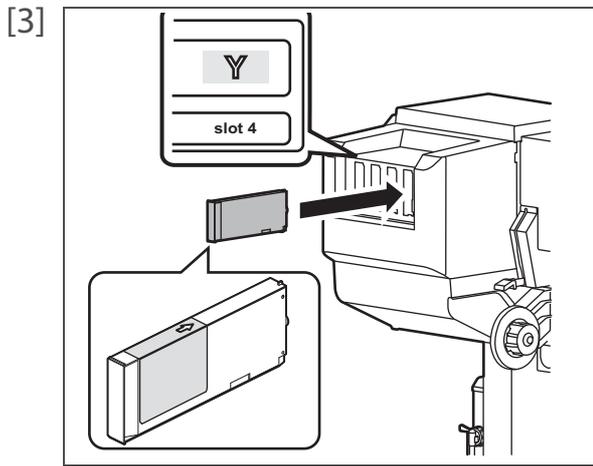
- Black (K): 1
- Cyan (C): 1
- Yellow (Y): 1
- Orange (OR): 1
- Green (GR): 1
- Blue (BL): 1
- Cleaner (Cl): 1
- Magenta (M): 1

8-color (OGB) setting

- Black (K): 1
- Cyan (C): 1
- Yellow (Y): 1
- Orange (OR): 1
- Green (GR): 1
- Blue (BL): 1
- White (Wh): 1
- Magenta (M): 1

Important!

Avoid using the cleaner cartridge (or cleaner bag) that you used for initial cleaning as it may not have enough ink for initial ink charging.



Insert new ink cartridges into Ink cartridge slots.

- Make sure to match the ink cartridge color with the label of this printer.
- The arrow should face up.
- Insert all the way to the end.

Ink Refill

** %

The message on the left will appear.

- The printer starts ink charging.

CAUTION



During ink charging, make sure:

- Not to turn OFF the printer.
- Not to unplug the power cable of the printer.
- Not to open the front cover.
- Not to open the maintenance cover.
- Not to raise the media loading lever.



When ink charging ends, the message on the left will appear.

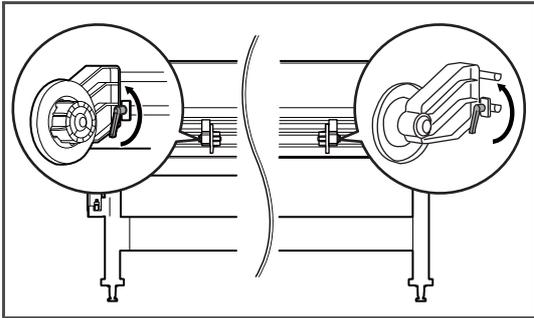
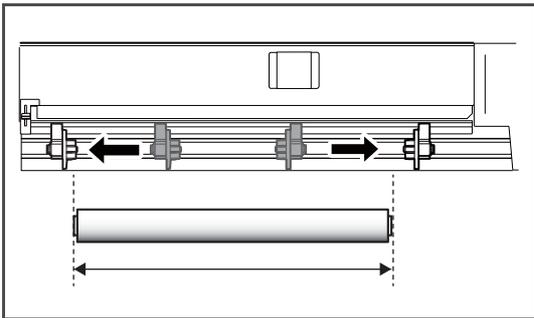
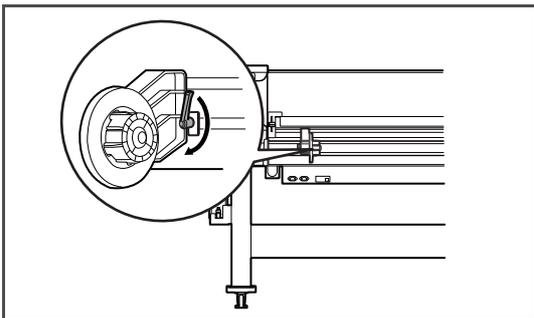
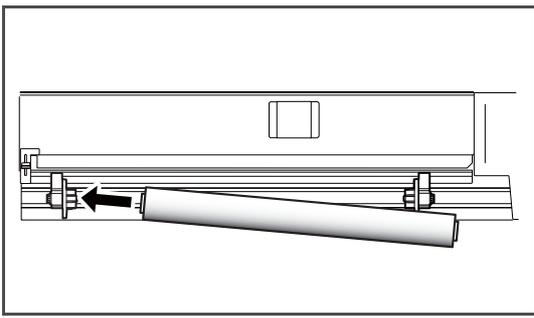
- That completes the ink charging.

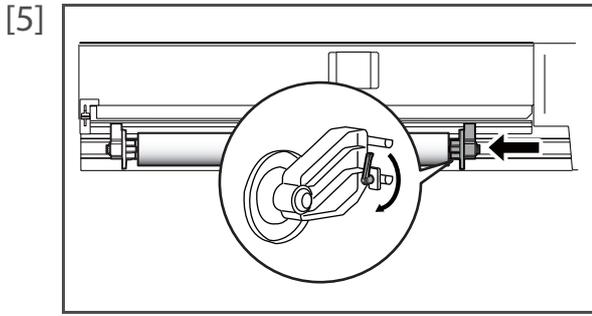
Loading a roll media in the printer

Important!

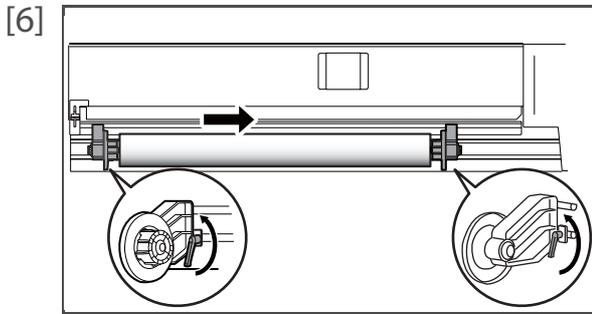
Depending on the type of the media, we recommend that two or more persons set the media.

1. Loading Roll Media onto the Roll media holder

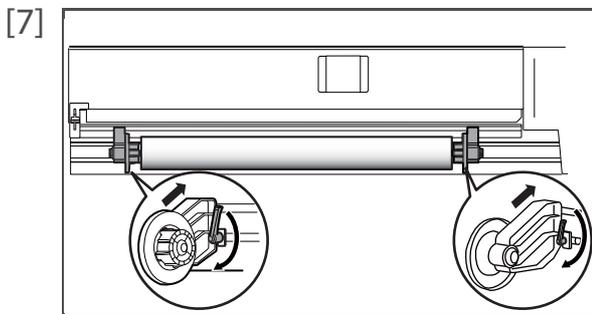
- [1]  Loosen Fixing levers on the Roll media holders (both left and right) on the back of the printer.
- [2]  Set the distance between Roll media holders wider than the actual width of the roll media to be set.
- [3]  Tighten Fixing lever of Roll media holder (left) and fix the Roll media holder (left).
- [4]  Set the roll media to Roll media holder (left).



Attach Roll media holder (right) to the roll media and tighten Fixing lever.



Loosen the Fixing levers of the right and left Roll media holders, move the roll media to the center.



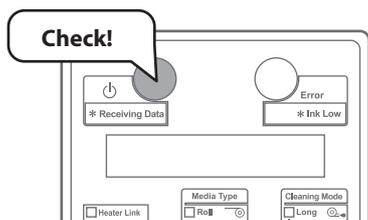
Press Roll media holder toward the printer and fix the Fixing levers.

 **Note**

- When tightening Fixing lever, press Roll media holder toward the printer.
- If you do not press Roll media holder, Fixing lever may not be completely locked because of the weight of the roll media.

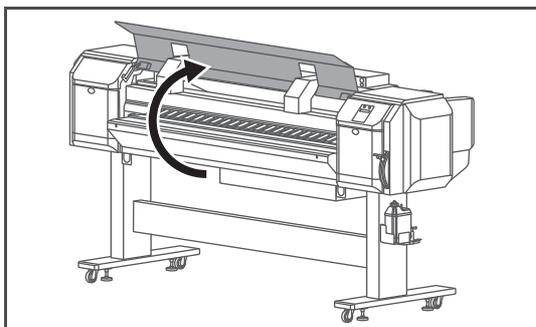
2. Loading Roll Media into the printer

[1]



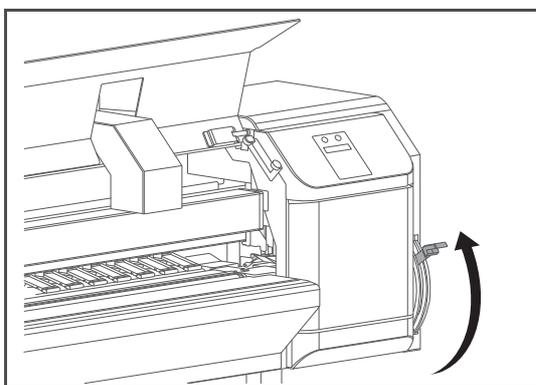
Make sure that the printer is turned ON.

[2]



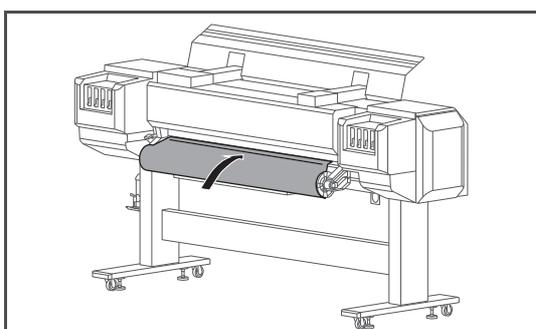
Open the front cover.

[3]



Raise the media loading lever.

[4]

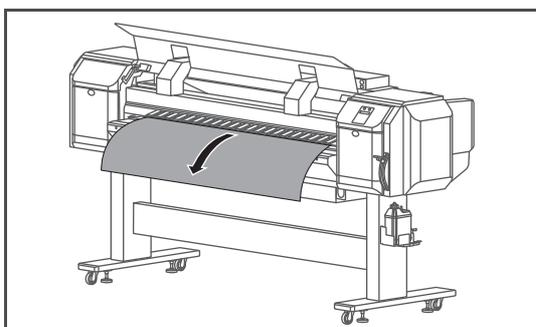


Load the roll media to Media feed slot.

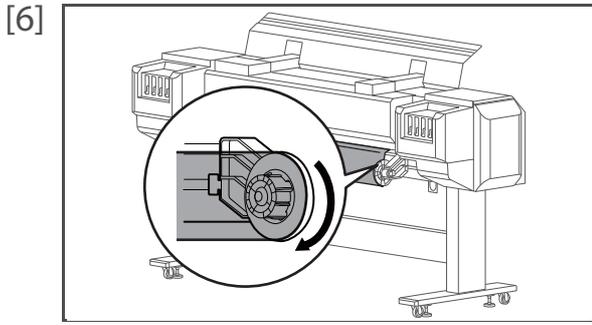


If the end of the roll media is not wound tightly, wind it tightly again, and then load it.

[5]



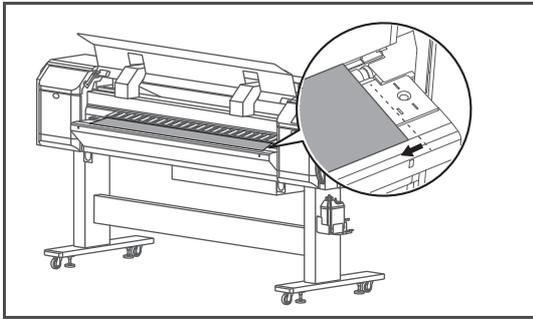
Pull the roll media out about 1 m from the front Media feed slot.



Turn the flange on the roll media holder to rewind the media while holding the edge of the media, and eliminate any slack or slant.

 **Note**

If you set the roll media free while rewinding, the roll media may fall out from Media feed slot and fall toward the back of the printer.



Confirm that the right edge of the roll media does not go beyond the loading mark. If it does, it may affect print quality.

[7] If needed, use a slide lock lever on the pressure rollers to individually cancel the holddown pressure.

 Operation manual "Individually Canceling Pressurizing Rollers"

 **Note**

Normally you do not need to adjust the holddown pressure by the slide lock levers.
To print on thin or soft media, individually reduce the holddown pressure.

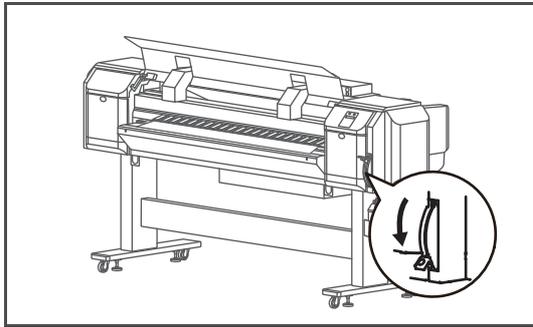
3. After loading the media...

[1]

Lever Up

"Lever Up" is displayed on the Operation panel.

[2]

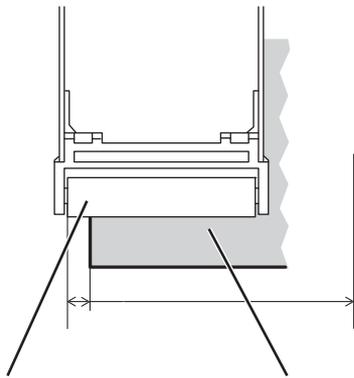


Lower the media loading lever.

[3]

Make sure that the edges of the media is appropriately pressed by Pressurizing rollers.

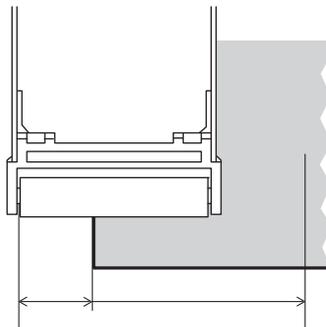
Good



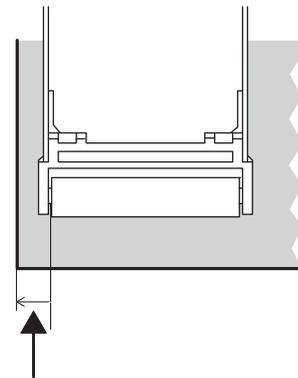
Pressurizing roller

Roll media

Good



Not Good

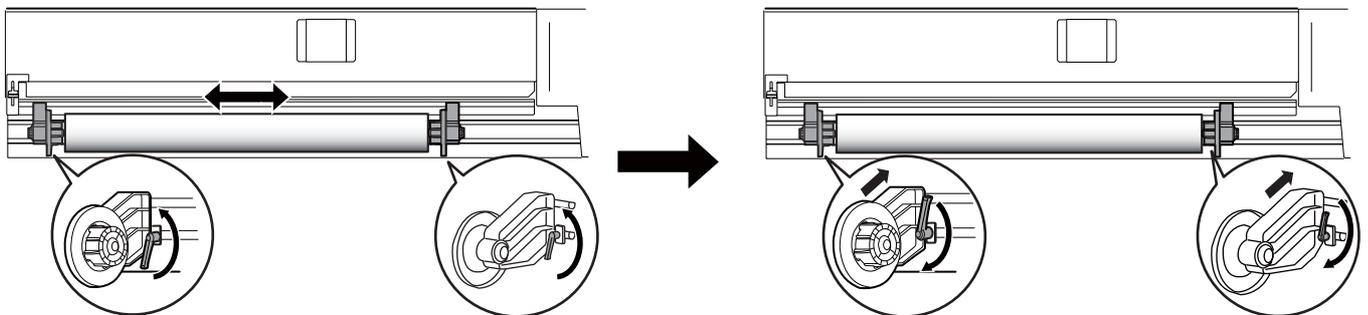


The edge of the roll media is protruding from the pressurizing roller.

[4]

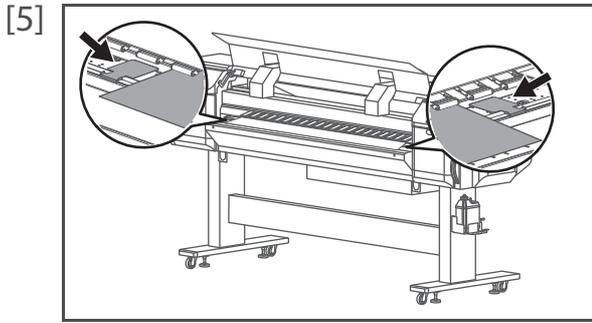
When the media is not appropriately pressed by Pressurizing rollers, follow the procedure to adjust the position of the roll media.

- Raise the media loading lever.
- Loosen Fixing levers of the right and left Roll media holders, and move the roll media to left or right.
- Press Roll media holder toward the printer and fix the Fixing levers.



 **Note**

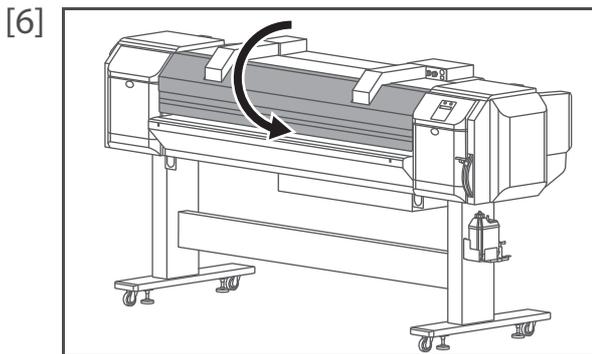
- If the media is not appropriately pressed by Pressurizing rollers, the media may be misaligned or creased during printing.
- When tightening Fixing lever, press Roll media holder toward the printer.
If you do not press Roll media holder, Fixing lever may not be completely locked because of the weight of the roll media.



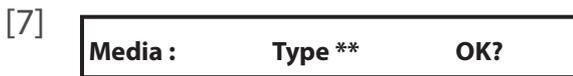
Set the media holder at both edges of the media.

Important!

With the default settings, the printing operation starts 5 mm from the edge of the media. To hold down the media, make sure that the part overlapping the media is less than 5 mm in length.

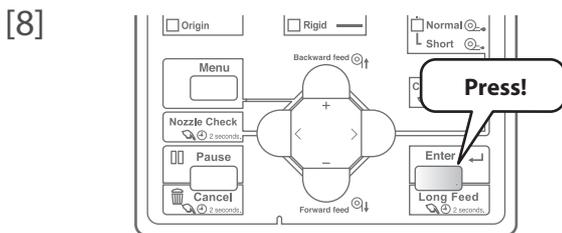
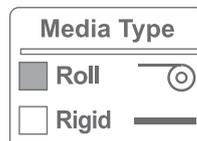


Close the front cover.



“Media: Type ** OK?” is displayed on the Operation panel.

- Press the [+] key or [-] key on Operation panel to select the User Type Setting.
- Check that the media type in the selected user type is set to “Roll”.



Press the [Enter] key to execute media initialization.

- That ends the media loading procedure.

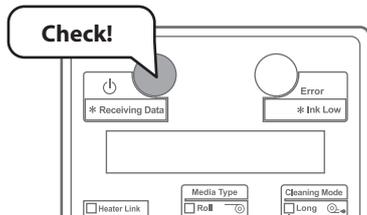
Loading a rigid media in the printer

Important!

Depending on the type of the media, we recommend that two or more persons set the media.

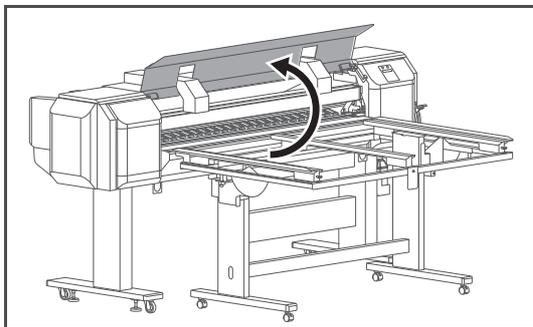
1. Loading Rigid Media into the printer

[1]



Make sure that the printer is turned ON.

[2]

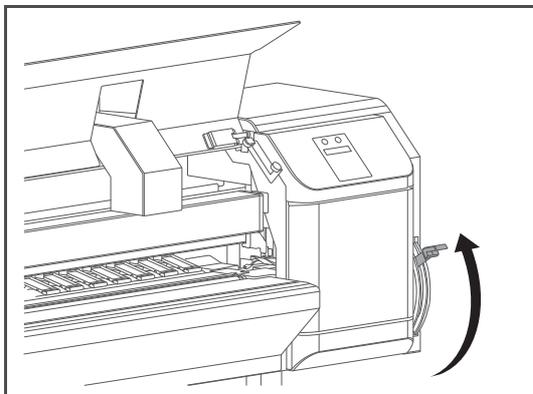


Open the front cover.

Note

Before installing the media-feed table, always open the front cover. If the cover is closed, the printer may not work properly.

[3]



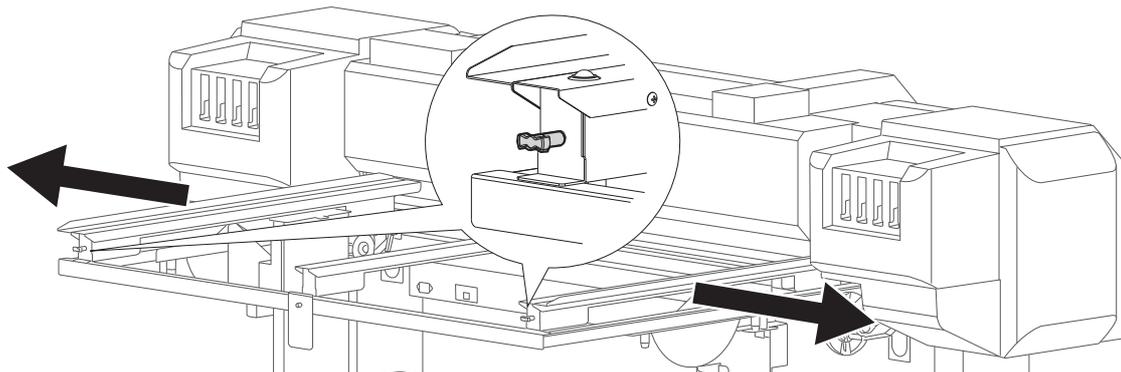
Raise the media loading lever.

Note

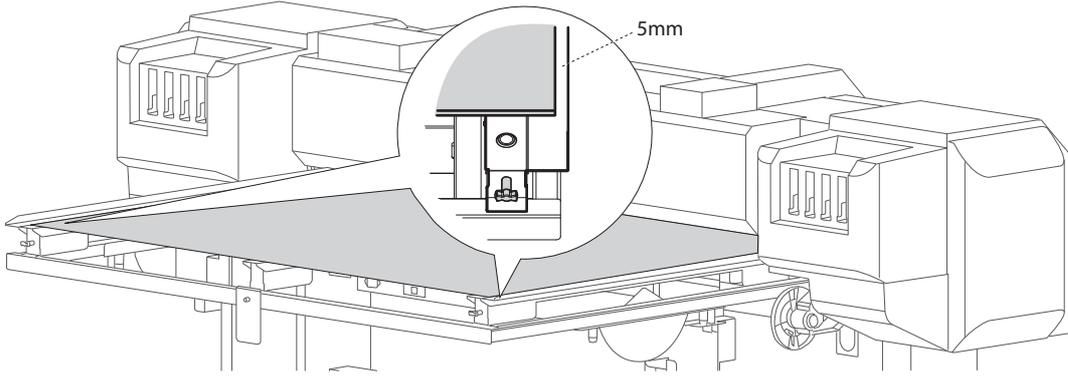
Media-feed table is excluded from the illustration for simplicity.

[4] Loosen the rail retaining screw on Media-feed table (rear side), and widen the rails to the sides so that you can place the rigid media.

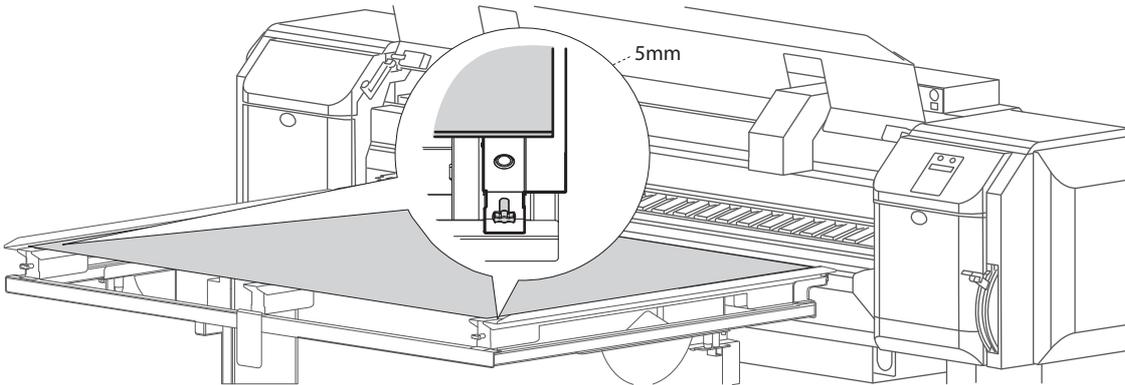
Make sure that the rigid media is set on the center of the printer.



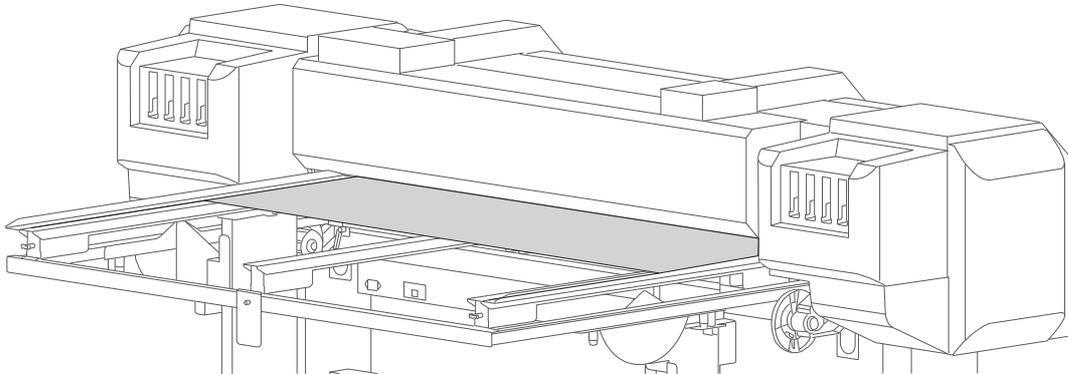
- [5] Place the rigid media on the rails and tighten the rail retaining screw at where there is a 5 mm gap between the stoppers on both sides and the media.



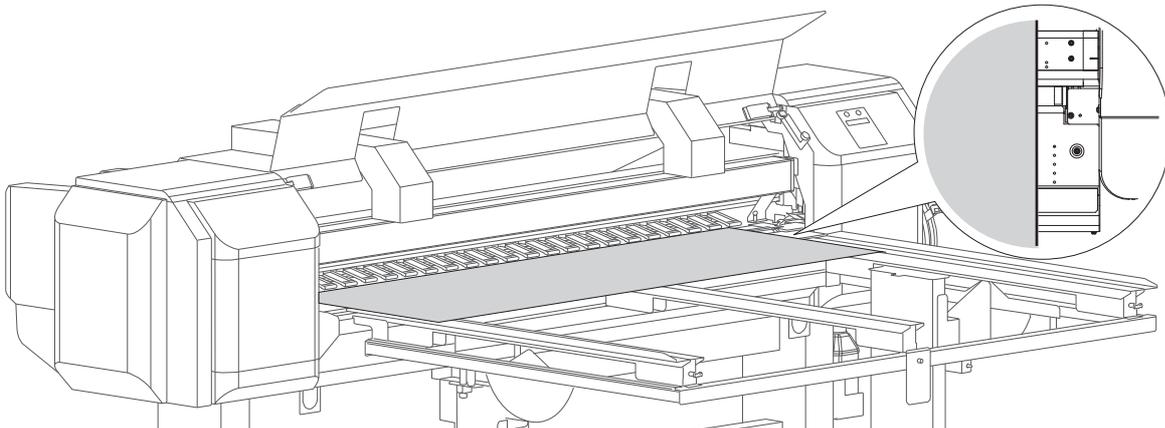
- [6] Place the rigid media on Media-feed table (front side) in the same way, and fix the rails at where there is a 5 mm gap between the stoppers on both sides and the media.



- [7] From the rear side of the printer, insert the rigid media into Media feed slot.



- [8] If the right edge of the roll media goes further right from the loading mark when seen from the front, adjust the position of Media-feed table's rails.



[9] If needed, use a slide lock lever on the pressure rollers to individually cancel the holddown pressure.

 Operation manual "Individually Canceling Pressurizing Rollers"

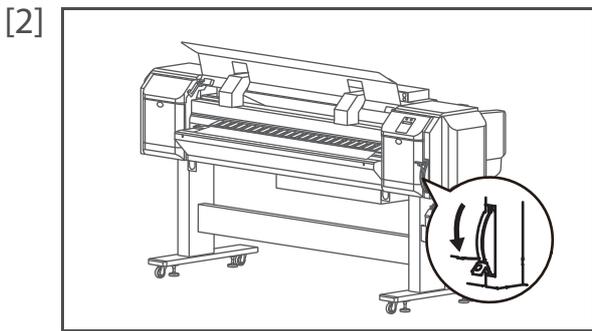
 **Note**

Normally you do not need to adjust the holddown pressure by the slide lock levers.
To print on thin or soft media, individually reduce the holddown pressure.

2. After loading the media...

[1] **Lever Up**

"Lever Up" is displayed on the Operation panel.



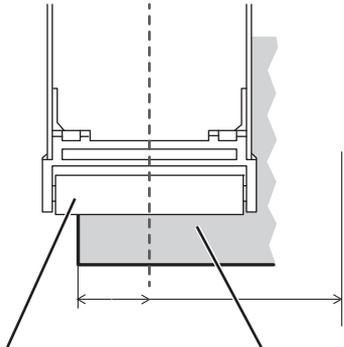
Lower the media loading lever.

 **Note**

Media-feed table is excluded from the illustration for simplicity.

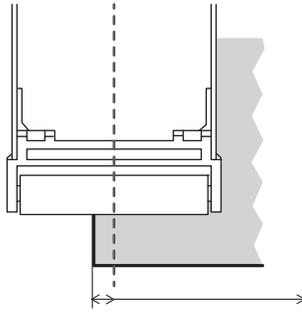
[3] Make sure that the edges of the media is appropriately pressed by Pressurizing rollers.
More than 50% area of the pressurizing roller on the far left and right should hold down the edge of the media.
If not, adjust position of the rail on the media-feed table.

Good

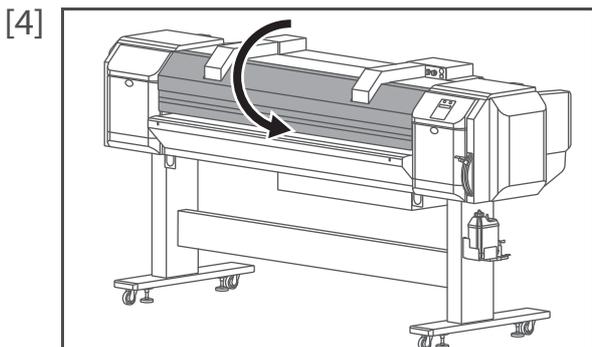
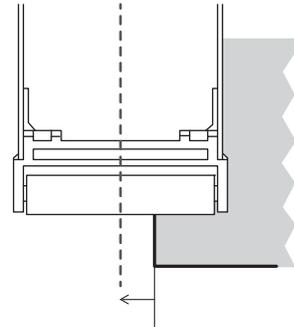


Pressurizing roller Rigid media

Good



Not Good



Close the front cover.

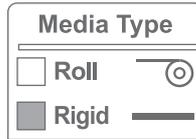
 **Note**

Media-feed table is excluded from the illustration for simplicity.

[5] **Media : Type ** OK?**

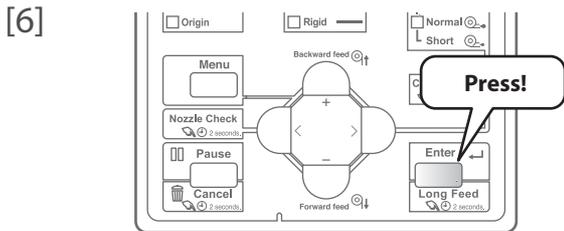
“Media: Type ** OK?” is displayed on the Operation panel.

- Press the [+] key or [-] key on Operation panel to select the User Type Setting.
- Check that the media type in the selected user type is set to “Rigid”.



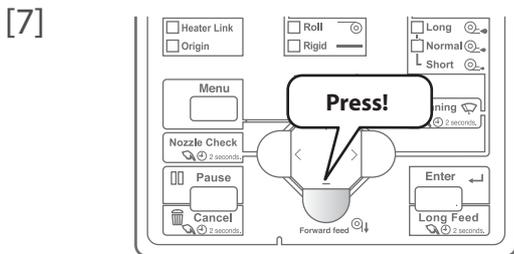
Note

If the media type is not set to “Rigid”, go to “Menu 2: User Type >” - “User: Type*” - “**> 10: Rigid / Roll” and select “Rigid”.



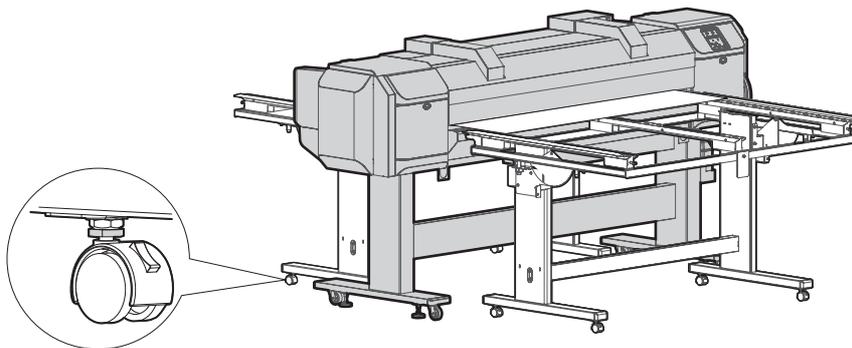
Press the [Enter] key to execute media initialization.

- That ends the media loading procedure.

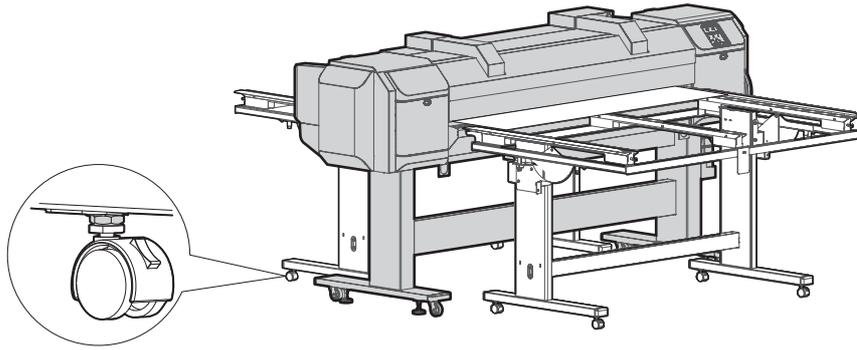


Press down the [-] key on Operation panel for a while, and check that the rigid media can be fed no problem.

- [8] When feeding does not go smoothly, turn the screws of the front and back casters of Media-feed table (4 places each) with a spanner and raise the height slowly to adjust the position for smoother feeding.



- [9] Use a spanner and tighten the hexagon nuts of the caster's height adjuster (4 places) toward the Media-feed table side.
- The height of the caster is fixed.



Nozzle check and cleaning

Before starting everyday operation, please perform nozzle check printing to check the print head condition. If nozzle clog is found, perform cleaning.

This printer offers the following two kinds of nozzle checks:

- Nozzle Check - Prints the nozzle check patterns.
- Nozzle Check B - Prints the nozzle check patterns on the partially colored background.

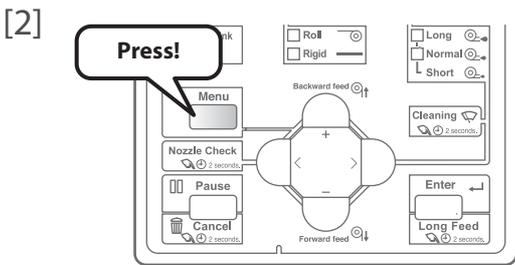
 **Note**

- "Nozzle Check B" will only appear in the menu on the printer with 5-color or 8-color ink configuration.
- When using white ink, colored media, transparent films or semi-transparent films (such as OHP film, tracing paper and more) are recommended to use for nozzle check.

1. Nozzle check steps

[1] Load the media to be used for the nozzle check.

 ["Test printing" P. 34](#)



Press the [Menu] key.



Press the [-] key until "Menu4: Test Print >" appears.

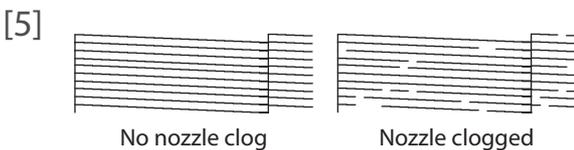
- Press the [>] key.



- Press the [Enter] key.
- To select Nozzle Check B, press the [-] key to display "Nozzle Check B", then press the [Enter] key.

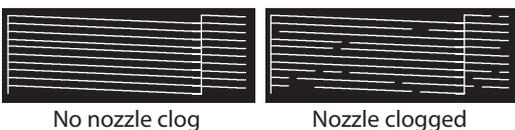


- Nozzle check patterns will be printed.



Check the nozzle check print.

- If there is nozzle clog, go to ["Cleaning steps" P. 47](#).
- If there is no nozzle clog, go to ["Sleep Mode" P. 48](#).



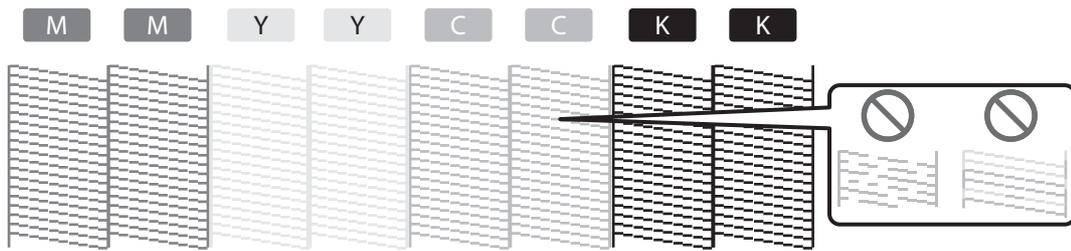
When performing nozzle check B, part of the nozzle check pattern background is black (part of the white pattern).

 **Note**

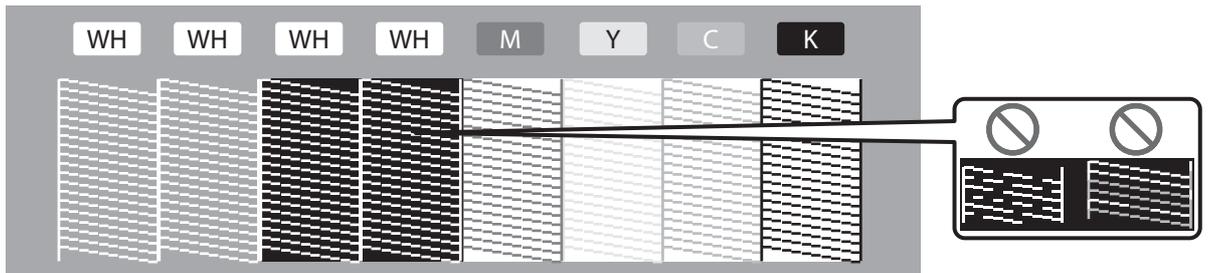
For the color nozzles, the background is printed in white ink. For varnish (and part of white) nozzles, the background is not printed.

 Note

The figure below is an example of the Nozzle Check patterns (4-color setting).



The figure below is an example of the Nozzle Check B pattern (5-color setting). In this example, non-colored background area is shown in gray.



 Note

The printer information (date and time of printing, printer's serial number, firmware version) is printed on the nozzle check pattern.

 Important!

If the printer perform the nozzle check printing immediately after the initial ink charge is complete, the following results may occur.

- Printed lines become blurred.
- The data is partially not printed.

In such cases, follow "Menu 5: Cleaning" on the Operation manual and perform "Little Charge". Then, check the nozzle check pattern.

If there is no improvement in the print result even after performing "Little Charge", leave the printer unused for an hour or more. Then perform "Little Charge" again and check the print result.

If nozzle missing still persists, contact your local Mutoh dealer.

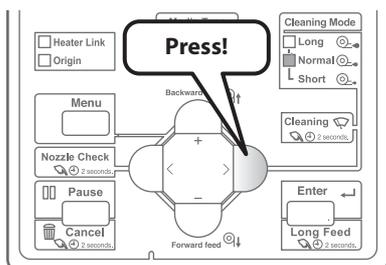
 Note

Before connecting to a computer to print, configure the IP address, subnet mask and gateway.

 Operation manual "Initial 5: IP Address", "Initial 6: Subnet Mask", "Initial 7: Gateway"

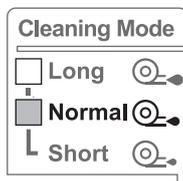
2. Cleaning steps

[1]



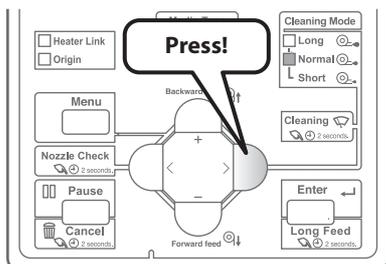
Press the [Cleaning] key, so that the “Normal” indicator (one of the “Cleaning Mode” indicators) lights steady.

- The cleaning mode will be set to “Normal”.



Normal Cleaning

[2]



Press the [Cleaning] key for more than two seconds.

- Cleaning will start.

[3] Conduct a nozzle check, again.

 ["Nozzle check steps" P. 45](#)

- If there is still nozzle missing, repeat normal cleaning.
See “Head cleaning” of the operation manual regarding “Short”, “Long”, “LittleCharge” and “InitialCharge” cleaning.

Sleep Mode

When you are not using the printer, always leave the power on and put the printer into the sleep mode while not in use. If you do not put the printer into the sleep mode, the ink inside the printer could settle out and/or coagulate, causing poor image quality or printer failure.

Make sure to follow the instructions on the operation panel to perform daily maintenance.

Important!

To leave the printer in sleep mode for seven days or more, perform followings once a week:

- Check the ink level and replace the relevant ink cartridge (ink bag) if "Ink Low" is displayed.
- Agitate the ink cartridges (ink bags).

When you may not be able to run a weekly cleaning on the printer that is in sleep mode:

Perform "Longstore" and then power off the printer. It allows you to store the printer for up to one month (30 days).

Steps

[1] Make sure that the printer's operating condition is as follows:

- The front cover and the maintenance cover are closed.
- No media is loaded.
- The remaining ink level is sufficient.
- No ink agitation message is prompted.
- No other messages are displayed.
- The waste ink tank has enough space.

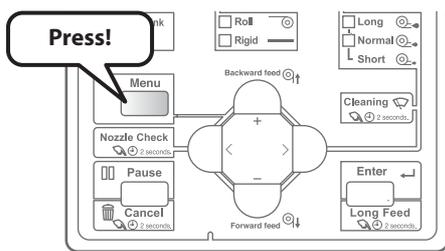
Important!

If you are going to use the sleep mode for a prolonged period of time, first empty the waste ink tank, as follows.

[2] Prepare items required for daily maintenance.

 Daily Maintenance Sheet for VJ-1628MH

[3]



Press the [Menu] key.

[4]

Menu 1: Sleep Mode >

Press the [>] key.

[5]

Sleep Mode : Start

Press the [Enter] key.

[6]

Start Sleep Mode ?

Press the [Enter] key.

[7]

Daily Maint. :	Start
----------------	-------

Press the [Enter] key.

[8]

Cleaning	** %
----------	------

The printer automatically performs the cleaning.

Wait for a while

- The table, carriage and cleaning wiper move to gain access to daily maintenance.

[9]

Daily Maint. :	End
----------------	-----

The message on the left will appear.

- You can start daily maintenance.
 - 👉 Daily Maintenance Sheet for VJ-1628MH
- After the daily maintenance is complete, press the [Enter] key.

Restart	- >	Enter
---------	-----	-------

- The sleep mode will start.
- To exit the sleep mode, press the [Enter] key.

Note

- The power button flashes in blue while the printer is in the sleep mode.
- It may take some time for Blower heater to stop because it has to cool down.
- Stop Blower heater manually in Manual mode.
- Depending on the time elapsed since the last automatic cleaning, the printer may perform an automatic head cleaning or ink charging when powered on or waking up from sleep mode. Such operation does not depend on the sleep mode settings. It is an automatic maintenance function of the printer.

Important!

The following message appears on the operation panel when the printer has been in sleep mode for one week.

- "Perform Nzl Chk -> E"

Follow the steps below to run a nozzle check and ensure that all nozzles are firing properly.

- Press the [Enter] key to wake up from sleep mode.
- Follow the instructions on the operation panel to invert the ink bag back and forth to agitate ink.
- Load a media to print a nozzle check pattern and perform a nozzle check.
 - 👉 ["Nozzle check steps" P. 45](#)
- If nozzle missing is found on the nozzle check print, perform the head cleaning.
 - 👉 ["Cleaning steps" P. 47](#)

Then, put the printer into sleep mode again.

Safety Instructions

Important Notice

For Users in Europe



The CE marking is a mandatory European marking for certain product groups to indicate conformity with the essential health and safety requirements set out in European Directives.

By affixing the CE marking, the manufacturer, his authorized representative, or the person placing the product on the market or putting it into service ensures that the item meets all the essential requirements of all applicable EU directives and that the applicable conformity assessment procedures have been applied.

For Users in the United States

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

About the safety notices

Signification of WARNING and CAUTION

 WARNING	Used for dangerous situations where death or serious injury may be caused.
 CAUTION	Used for dangerous situations that may cause slight or medium injury, or when all or parts of products are damaged.

Meaning of symbols

Warning symbol	Meaning
	Indicates "prohibited" operations.
	Indicates "required" operations.



Note

Refer to "Introduction" of operation manual for names of each component in the main body.

Concerning electric shock, short circuits and fire

WARNING



Do not install the printer where it is humid or dusty.
It could lead to an electric shock and fire.



Do not use a damaged power cable.
It could lead to an electric shock and fire.



Do not pull out or insert the power plug with a wet hand.
This could lead to an electric shock.



Do not connect an earth wire to the following places.

- **Gas pipe**
There is a possibility of ignition and explosion.
- **Earth wire of telephone cables and lightning rods**
Heavy current might flow whenever lightning strikes.
- **Water pipe and faucet**
The earth might not work if a plastic pipe is connected in the middle of the metal pipe.



Do not insert or drop metal or flammable objects into the printer through openings such as a vent.
It could lead to an electric shock or fire.



If foreign substances or liquids such as water entered the printer, do not use the printer as it is.
It could lead to an electric shock or fire.
Turn the power button OFF immediately and disconnect the power plug from outlet. Then contact the customer support.



Do not block the vent on the product with cloth or other material.
If you cover the vent, the product interior may get hot and cause a fire.



Pay attention to the following points when handling the power cord set.

- **Do not tamper with the power cord set.**
- **Do not put heavy objects on the power cord set.**
- **Do not bend, twist or pull the power cord set by force.**
- **Do not route the power cord set near heating appliances.**



Pay attention to the following points when handling the power plug.

- **Any mishandling of the power cable could cause a fire.**
- **Make sure that no foreign substances such as dust are stuck to the power plug.**
- **Make sure that the power plug is firmly inserted to the edge of the power socket.**



Make sure to use only the specified power supply.
If a power supply other than the specified voltage is used, it could cause an electric shock and fire.



Take power for the printer directly from the power socket.

Do not use multiple plugs on the same socket.
This could generate heat and might cause fire.



Be sure to use a dedicated power socket with earth wire for the power supply, and connect it to the earth wire.

If the earth wire is not connected, an electric shock or fire may occur.



Make sure to connect an earth wire to the earth connection that meets the following standards.

- Earth terminal of power socket
- An earth wire with a copper plate which is buried at 650 mm or more in the ground.



Be sure to use the specified power cord set.

- Using a power cord set other than the specified can cause an electric shock or fire.
- Use a power cable that is equipped with a protective grounding terminal, and connect it firmly to the outlet.
- Use a power cable that conforms to the safety regulations, power supply voltage and plug shape of the country where you are using it.



Connect up the cords (cables) in the ways specified in this Guide.

Mistakes in the cable connections could result in fire.



Never open covers attached using screws under any circumstances.

This may cause an electric shock or a malfunction.



Make sure that no moisture enters the printer.

It could cause shorting of the electrical circuits.

Installing the printer

WARNING



Do not install the printer on a surface:

On such surfaces the printer could topple over or fall off, potentially causing injury.

- is not stable
- is not level
- receives vibration from other devices nearby.

CAUTION



Do not slant the printer, turn it upside down.

The ink inside the printer may leak. Moreover, normal operation after shifting (to these positions) cannot be guaranteed.



Keep this product level when moving it.



Four or more people are required to unpack and move this printer.



When taking the printer out of the container box, make sure to remove the vinyl, install Reinforcement for transportation, and hold Reinforcement.



This equipment is not suitable for use in locations where children are likely to be present.

If lifting up the printer with the vinyl on, there is a possibility the printer can slip and drop, and be damaged.

Concerning handling

WARNING



Do not step on this printer or place heavy things on top of it.

It may cause an injury if the printer falls down.

CAUTION



- **Wear goggles and/or other protective equipment, so that ink will not get in your eyes.**
- **Wear gloves, so that ink will not get directly on your hands.**



Heed the following when cleaning the print head circumference.



Heed the following instructions for cleaning of the cleaning wipers and the print head circumference.

- **Cleaning sticks can be used for about 1 week.**
After 1 week, or when you cannot remove ink clumps, replace the cleaning stick.

- **NEVER touch the surfaces of the print head's nozzles.**
It could result in damage to the print head.
- **Do not touch the tip of a cleaning stick.**
You could get oil or grease on it, which could result in damage to the print head.



Heed the following when cleaning the cleaning wipers.

- **Do not touch the cleaning wipers or the head cap unit.**
You could get oil or grease on them, with the result that head cleaning cannot be implemented normally.
- **Make sure to use a cleaning stick, and dip it in the dedicated maintenance cleaner, and then clean around the print head.**
Wipe it with a fluid other than cleaning fluid can cause the print head to clog.

- **Make sure to use a cleaning stick, and dip it in the dedicated maintenance cleaner, and then clean around the print head.**
Wipe it with a fluid other than cleaning fluid can cause the print head to clog.

Concerning handling (continued)



During ink charging, make sure:

- **Not to turn OFF the printer.**
- **Not to unplug the power cable of the printer.**
- **Not to open the front cover.**
- **Not to open the maintenance cover.**
- **Not to raise the media loading lever.**



When moving this printer, always empty the waste ink tank even moving short distance.

If ink splashes inside the waste ink tank while being moved, it can cause damage.



Pay attention to the following points when you cut roll media. Mishandling the razor blade may cause a cut on your finger or hand.

- When you hold media, do not place your finger on the media cut groove.
- Move the razor blade along the media cut groove.



Keep the work area well-ventilated.

Not doing so may cause nausea or a fire hazard.



Do not use volatile solvents such as thinner, benzene, or alcohol.

These solvents may cause damage to the paint.



Do not touch Blower Heater while Heater is working.

Blower Heater become very hot and you could burn yourself.

Concerning consumable items

WARNING



- **You are obligated to properly dispose of waste fluid from the printer in compliance with Wastes Disposal and Public Cleansing Act and local ordinances. Delegate disposal to an industrial waste disposal contractor.**
- **Waste fluid from this printer is harmful to aquatic organisms. Avoid the waste fluid from out flowing to sewage or natural water systems.**
- **Keep out of direct sunlight and store the waste fluid container in a cool, dark place.**
- **Do not mix waste fluid with any other chemicals, even in a small amount.**

CAUTION



Do not disassemble Ink cartridge (Ink bag).

If disassembled, there is a possibility that ink might come into contact with your eyes or skin.



Before operation, make sure to read the Material Safety Data Sheet (SDS).



Regarding the ink cartridge (ink bag), be sure to:

- **Before installing a new ink bag, invert the ink bag back and forth to agitate ink.**
- **Agitate ink in the bag when prompted on the operation panel.**

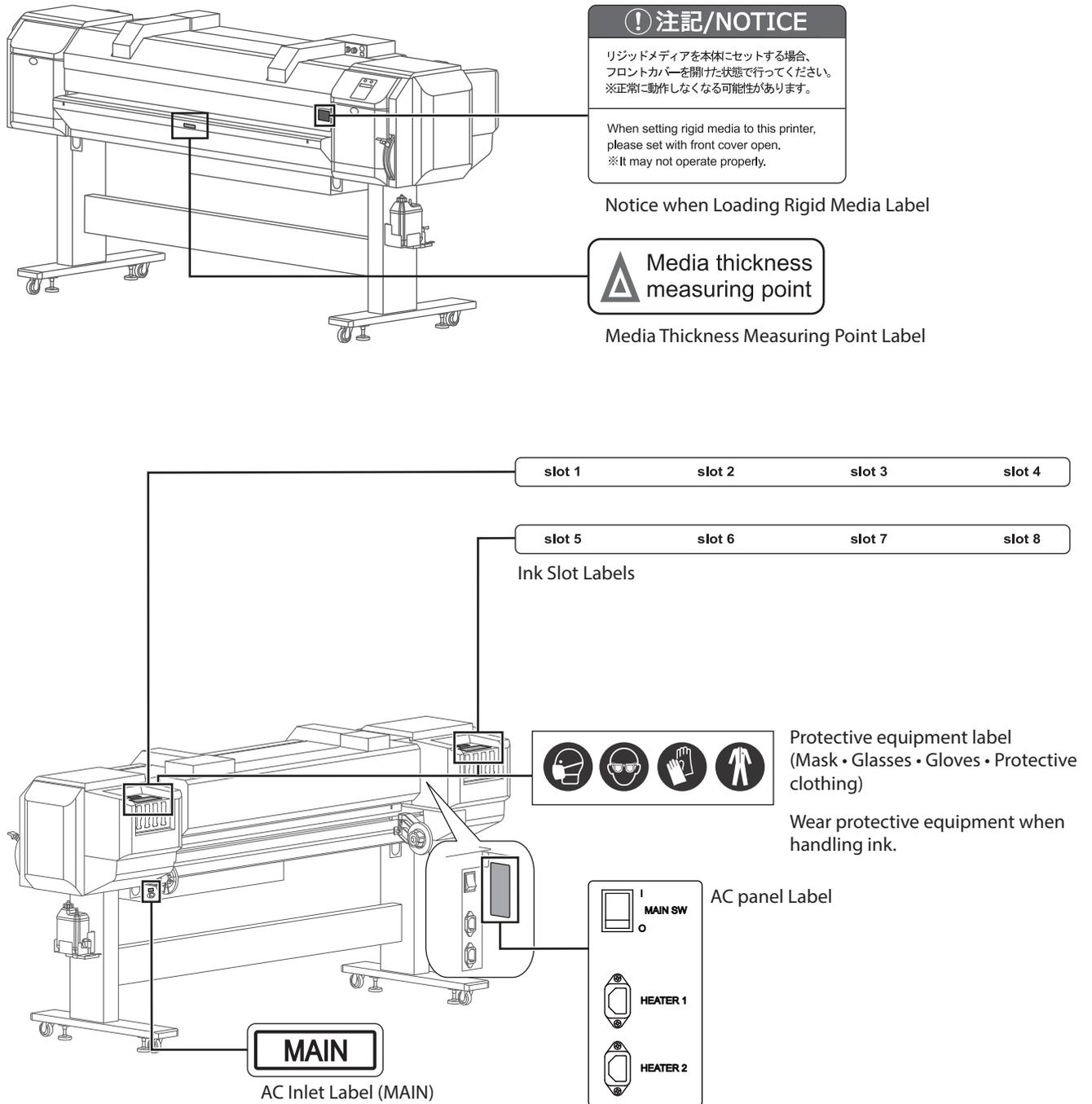


DO NOT drop or hit an ink cartridge (ink bag).

Ink may leak from the cartridge (bag).

Concerning operation instruction labels

Operation instruction labels are stuck on the printer at places where caution in operation is required. The contents of these labels are as shown below.



MUTOH