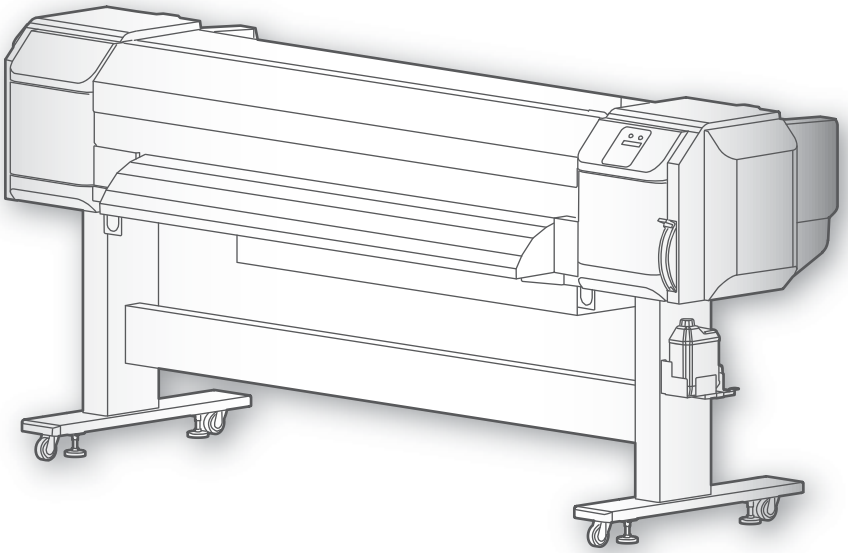
MUTOH

ValueJet

VJ-1638UR Mark Ⅱ

Startup Guide

Unpacking and Initial Setup



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- Unauthorized copying or duplication of the whole or part of the contents of this Guide is prohibited.
- Every care has been taken in writing the contents of this Guide, but please contact MUTOH or the dealer you purchased the product from if you find any unclear, erroneous or otherwise unsatisfactory content in the Guide.
- Please be aware that MUTOH will not be liable in any way for failures or accidents that result from handling or operating the printer according to any procedures other than those set forth in this Guide.
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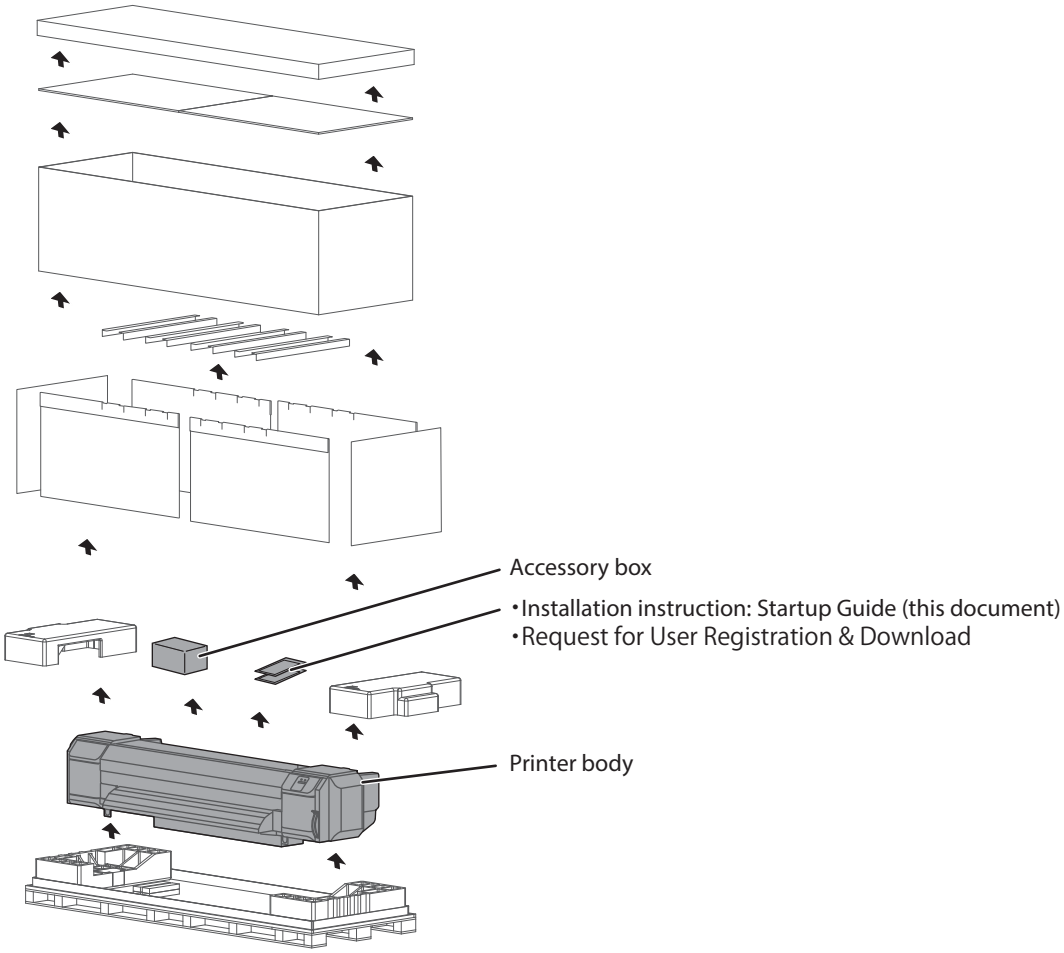
Unpacking

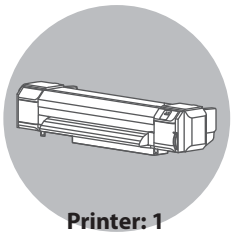
⚠ **CAUTION**	• **Four or more people are required to unpack and move this printer.** • **Keep this product level when moving it.**

Unpacking the printer

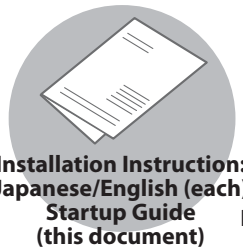
[1] Open the packing box and take out each part.



[2] Check if the followings are included.

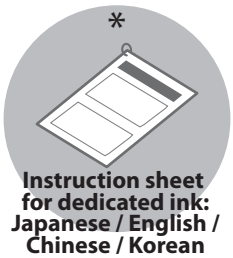


Printer: 1



Installation Instruction: Japanese/English (each)
Startup Guide (this document)

Request for User Registration & Download : Japanese/English (each)

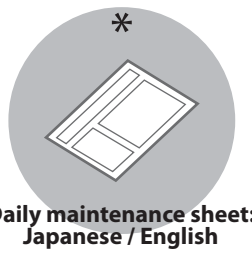


*

Instruction sheet for dedicated ink: Japanese / English / Chinese / Korean

*

Notification sheet: Japanese / English / Chinese / Korean



*

Daily maintenance sheet: Japanese / English

*

Paper Towel (Lint-free cloth): 5

*

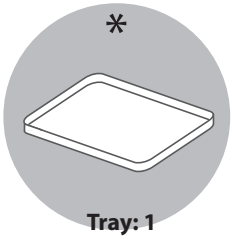
Cleaning stick: 50

*

Dropper (5 ml): 2

*

Plastic cup (100 ml): 1



*

Tray: 1

*

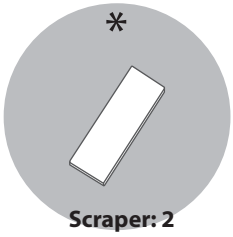
Rubber gloves: 100

*

Polyethylene gloves: 100

*

Protective goggles: 1

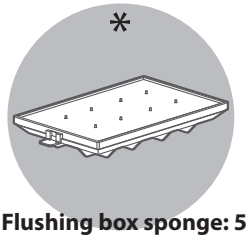


*

Scraper: 2

*

Cleaning wiper: 3

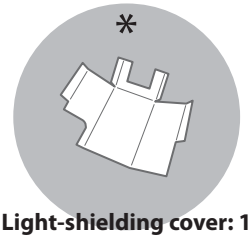


*

Flushing box sponge: 5

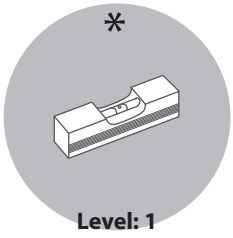
*

Waste fluid tank: 1



*

Light-shielding cover: 1



*

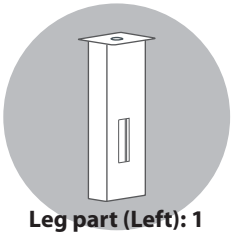
Level: 1

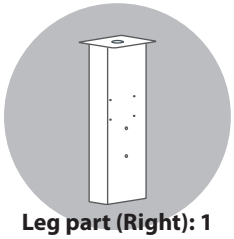
Note

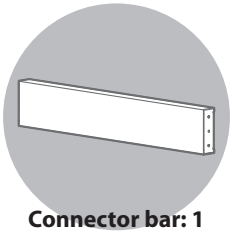
Items marked with an asterisk (*) above are in the accessory box.

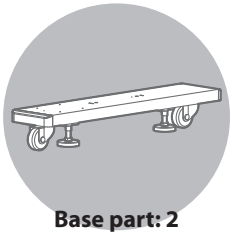
Items in the stand box

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 cap screw: 8

Hexagonal wrench: 1

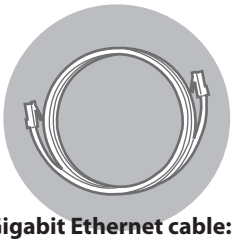
Butterfly screw: 8

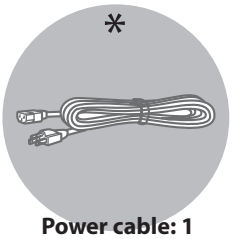
Waste fluid tank holder fixing screw: 4

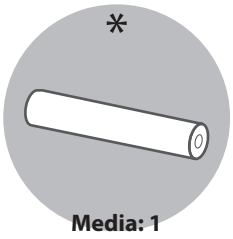
Things to prepare in order to install and use the printer

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

Computer: 1


Gigabit Ethernet cable: 1


Power cable: 1

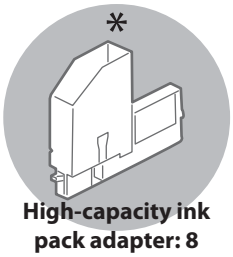

Media: 1

Cleaning cartridge: 8

Ink cartridge: 8

Or

800 ml ink bag: 8


High-capacity ink pack adapter: 8

Important!

Make sure your computer meets the following requirements.

- **OS: Windows 10 (64bit), Windows 8/8.1 (64bit), Windows 7 (64bit)**
- **CPU: Intel (R) Core (TM) i5 / i7**
- **Memory: No less than 8G byte**
- **Network: Use a network port that supports Gigabit Ethernet, and an Ethernet cable that supports Category 6 Gigabit Ethernet or later.**

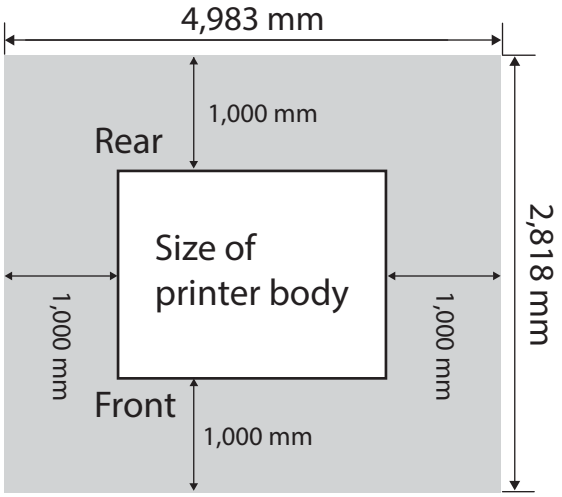
Note

- Items marked with an asterisk (*) are accessories or supplies.
- To install the 800 ml ink pack to the high-capacity ink pack adapter, refer to the operation manual included with the high-capacity ink pack adapter.

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	: 2,983 mm x 818 mm
height	: 1,529 mm *1

*1 when the front cover is opened

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.

Installation environment conditions

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

Power supply specifications	Voltage	AC 100 V to 240 V ±10%
	Frequency	50 / 60 Hz ±1 Hz
Environmental conditions	Operating environment	Temperature 20 to 32 °C, Humidity 40 to 60% No condensation
	Recommended Printing Environment	Temperature 22 to 30 °C, Humidity 40 to 60% No condensation
	Environment for storage	• 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% *1 Perform the Daily Maintenance instructed in the Operation manual. *2 Always leave the printer in sleep mode and check the remaining ink level once a week. Agitate ink in the cartridge once a week as instructed.

Assembling

Assemble the printer

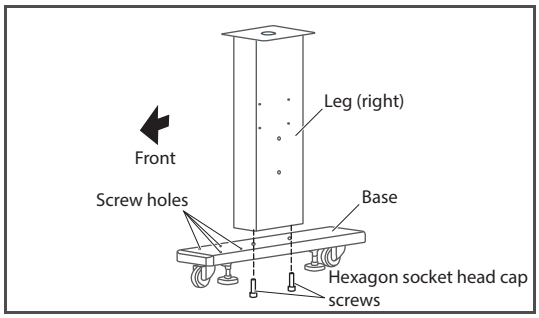
⚠ CAUTION	**Four or more people are required to assemble this printer.**

Procedure for assembling the stand

Follow the procedure below to assemble the stand.

[1] Assemble the right stand.

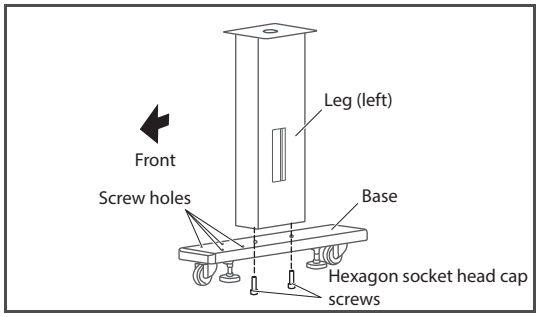
[2]



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

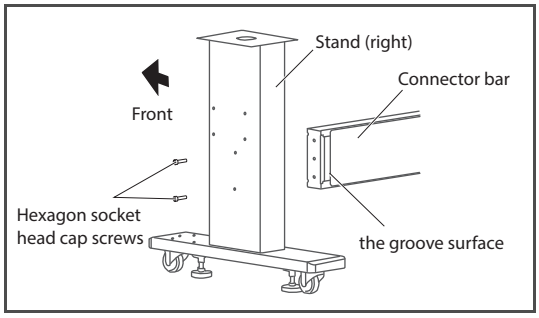
[3] Tighten two hexagon socket head cap screws using a hexagonal wrench (supplied accessory).

[4]



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

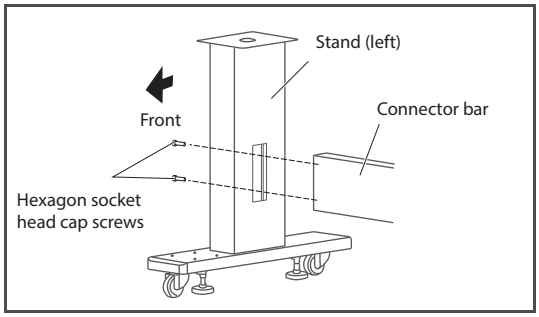
[5]



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

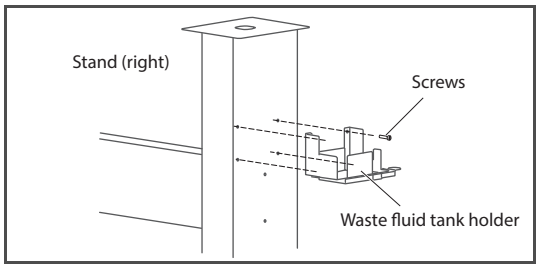
- Attach the connector bar with the groove facing the rear as shown left.

[6]



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

[7]



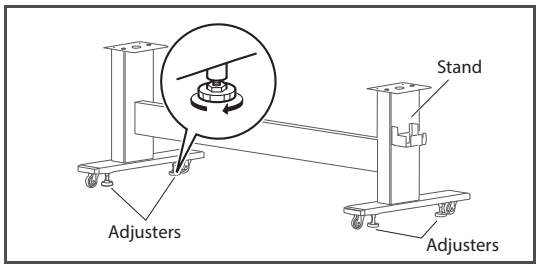
Attach the waste fluid tank holder to the right stand using four screws.

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

Procedure for attaching the stand

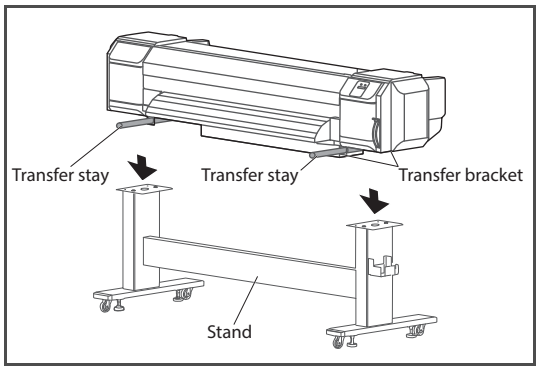
Follow the procedure below to attach the stand to the printer.

[1]



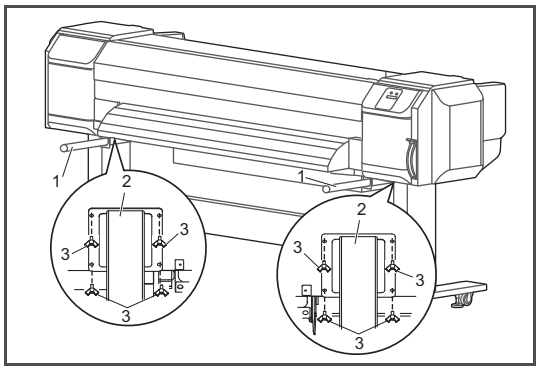
Turn the four adjusters as shown below to prevent the stand from moving.

[2]



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.

[3]



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

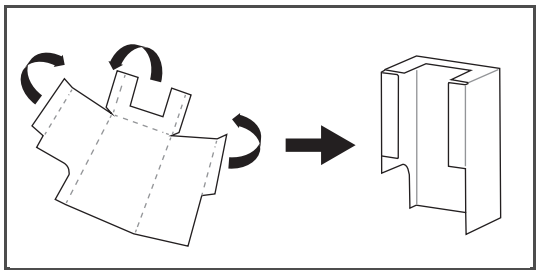
- 1: Transfer stays
- 2: Stand
- 3: Butterfly screws

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.

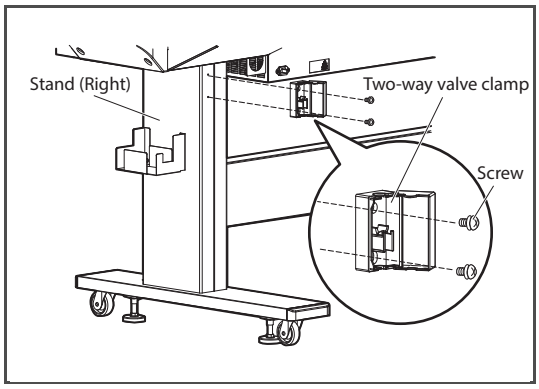
[2]



Shape the light-shielding cover.

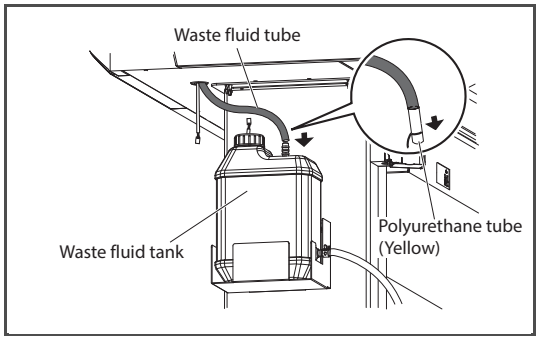
- To shape the light-shielding cover, use double-sided adhesive tape (already attached to the light-shielding cover) to glue each tab to the corresponding side.

[3]



Open the cover of the two-way valve clamp. Use two screws to secure the two-way valve clamp to the rear side of the right stand leg.

[4]

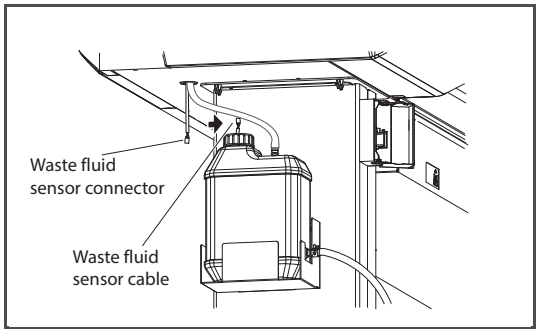


Follow the procedure below to attach the waste fluid tank.

- Place the waste fluid tank in the waste fluid tank holder.
- Remove the polyurethane tube (Yellow) from inside the waste fluid tube and attach the waste fluid tube to the tank.

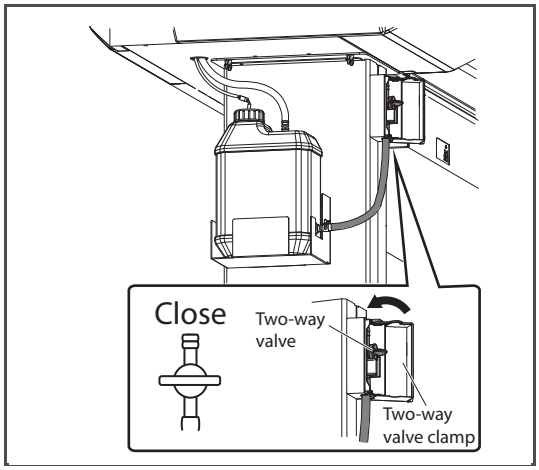
Important!

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



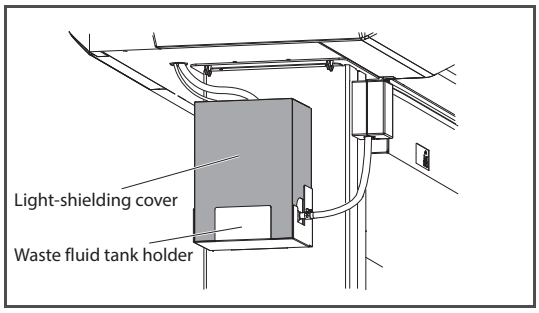
Insert the waste fluid sensor cable into the connector on the bottom of the printer.

[5]



Check that the two-way valve of the drain tube is closed. Hook the two-way valve on the clamp, then close the clamp cover.

[6]



Attach the light-shielding cover to the waste fluid tank.

- Insert the light-shielding cover inside the waste fluid tank holder.

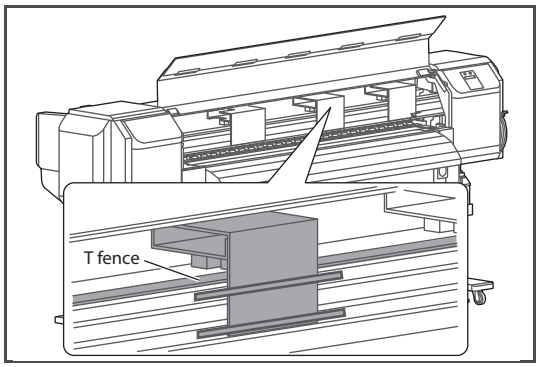
Detaching fastening materials

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]

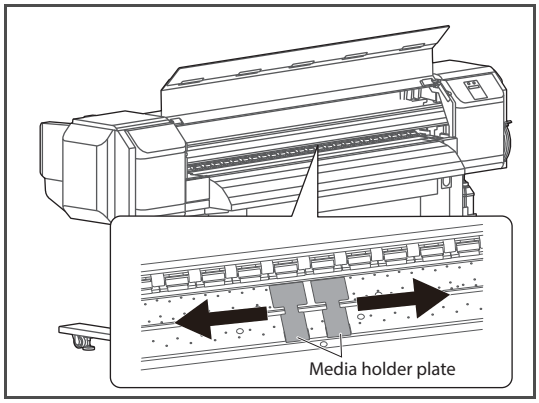


Peel off the tape, be careful not to come in contact with T fence, and remove the Bearer collapse prevention material and Bearer fix.

Important!

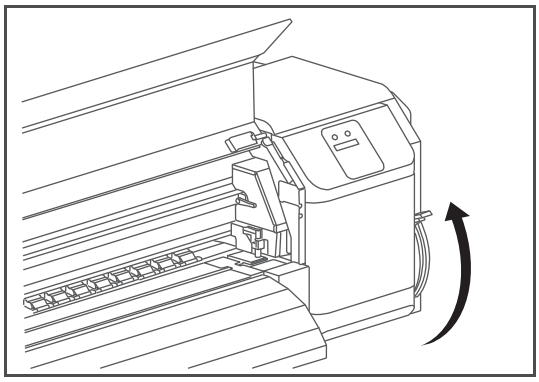
Make sure not to damage T fence during operation. If T fence is damaged, it will affect print results.

[4]



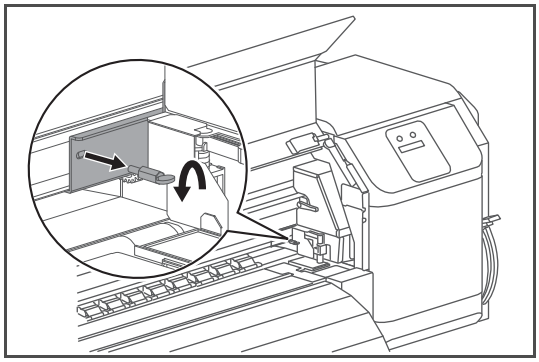
Remove the tape, and move the media holder plates to the left and the right edge.

[5]



Raise the media loading lever.

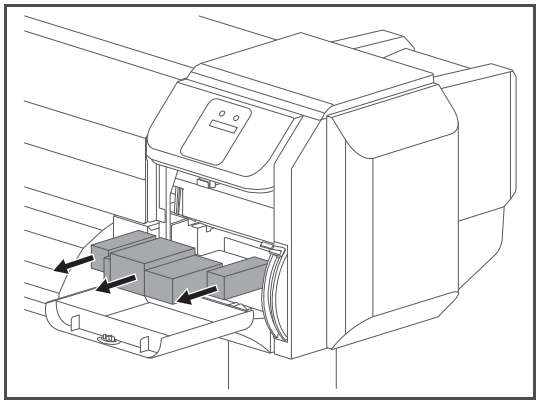
[6]



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

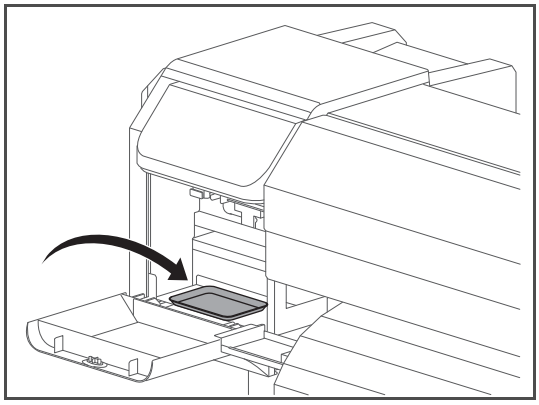
[7] Close the front cover.

[8]



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

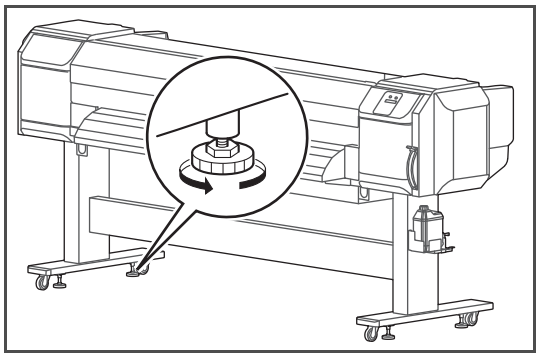
[9]



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

Checking the levelness

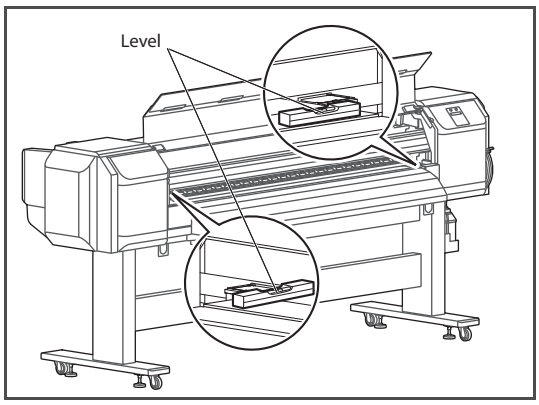
[1]



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

[2] Open the front cover.

[3]

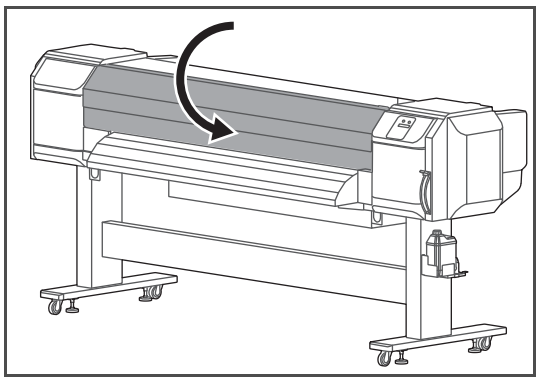


Set the level on the right and left platens and adjust so that the printer stays flat.

Connecting the cables

Connecting power cable

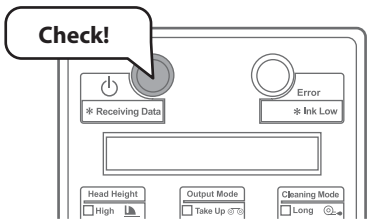
1. Before connecting the cables...



Close the front cover.

2. Connecting the power cable

[1]

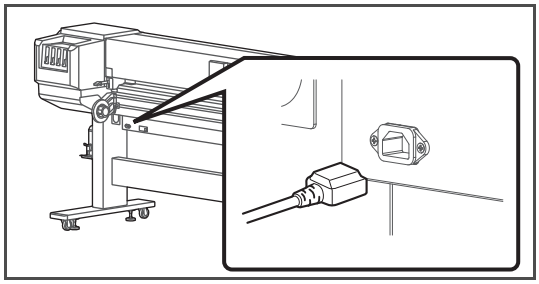


Make sure that the printer is turned off.

Note

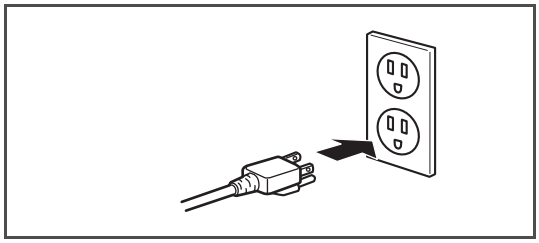
If the power switch is in a pressed-inward state, it is turned on and you must press it again to turn it off.

[2]



Connect power cable to the printer.

[3]



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

Setup

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

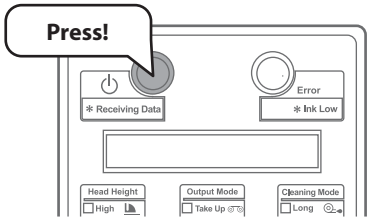
Enter the printer IP address on the operation panel.
Install MUTOH Status Monitor (MSM) and set up the printer with MSM.

The setup is now complete!

Turning the power ON

[1] Close the front cover.

[2]



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.

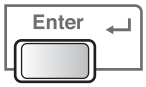
☞ "To activate via the control panel" P.14
☞ "To activate via the Internet" P.15

To activate via the control panel

[1]

Activation required

Press the [Enter] key when the message on the left appears.



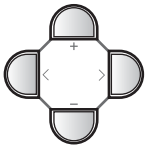
[2]

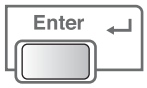
0000-0000-0000-0000

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

- When the message on the left appears, turn the power OFF.
- Wait a short while, then turn the power ON, to restart the printer.

Activation required

When the message on the left appears, 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://club.mutoh.co.jp/mutoh/guser/

Configuring the initial settings

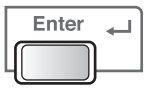
Configure the initial settings according to the instructions displayed.

1. Configuring the operation panel language and units

[1]

Language : English

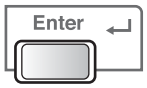
Press the [Enter] key.



[2]

Temp : Celsius [˚C]

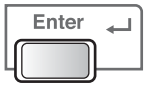
Press the [Enter] key.



[3]

Length : mm

Press the [Enter] key.



[4]

Initializing

The printer starts initialization operations.

Initial ink charging

Preparation

- Cleaning wiper: 1
- Cleaning cartridge: 8
- Ink cartridge: 8
  4 color setting:
  Black (K), Cyan (C), Magenta (M), Yellow (Y): 2 cartridges each
  5 color setting:
  Black (K), Cyan (C), Magenta (M), Yellow (Y): 1 cartridge each
  Varnish (Va), Cleaning (Cl): 2 cartridges each
  6 color setting:
  Black (K), Cyan (C), Magenta (M), Yellow (Y): 1 cartridge each
  Varnish (Va), White (Wh): 2 cartridges each

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

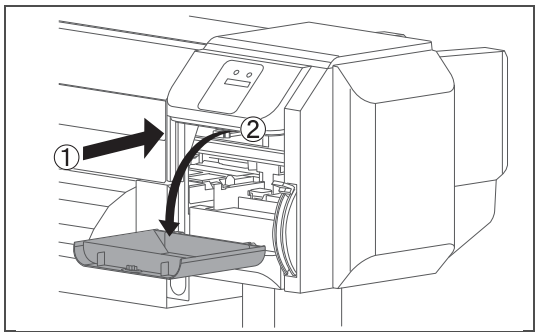
[1]

Installed Wiper ?	**->**	**No**

The message on the left will appear.

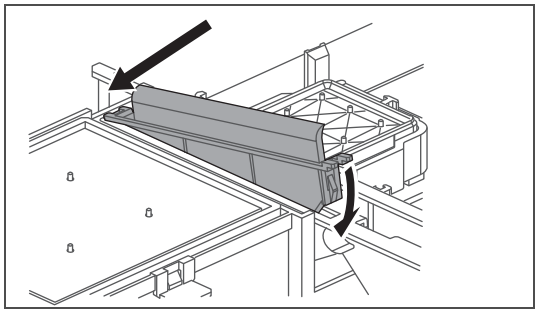
- Press the [Enter] key.

[2]



Open the right maintenance cover.

[3]



Follow the steps below to install cleaning wiper.

- Slide the rear side of the cleaning wiper into its slot.
- Press the wiper hook down until it clicks into place.

[4] Close the maintenance cover.

[5]

Installed Wiper ?	**->**	**No**
Installed Wiper ?	**->**	**Yes**

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

[1] **Start Ink Charge - > E**

Press the [Enter] key when the message on the left appears.

[2] **Ink Comb. : * Color**

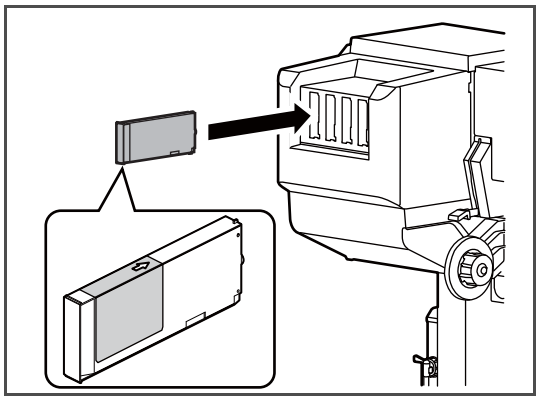
- Use the [+] or [-] key on Operation panel to select the ink color setting.
- Press the [Enter] key.

[3] **Empty WasteInk - > E**

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

Insert CleaningCart.

The message on the left will appear.

[4] 

Insert cleaning cartridges into all the cartridge slots.

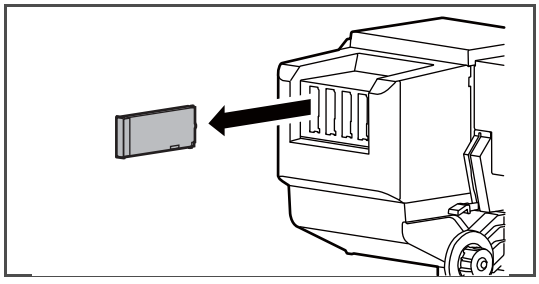
- The arrow on the cartridge should face up.
- Insert each cartridge to firmly seat it into each slot.

Busy-Washing

The printer starts charging cleaning fluid.

Remove Cartridges

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

[5] 

Remove all cleaning cartridges.

Busy-Washing

The printer starts discharging cleaning fluid.

[6] **Empty WasteInk - > E**

Prepare a container to drain the waste fluid.

3. Emptying the waste fluid tank

WARNING

- **Keep out of direct sunlight and store the waste ink container in a cool, dark place.**
- **Keep away waste fluid from fire and high temperatures.**
- **Do not mix waste ink with any other chemical substances, not even in small amounts. When mixed with other chemicals (e.g. oxidants), heating may occur.**
- **Use a HDPE container with light blocking properties to store waste liquid.**
- **When storing for a long time, slightly loosen the cap on the container to allow air. Do not tightly close it.**

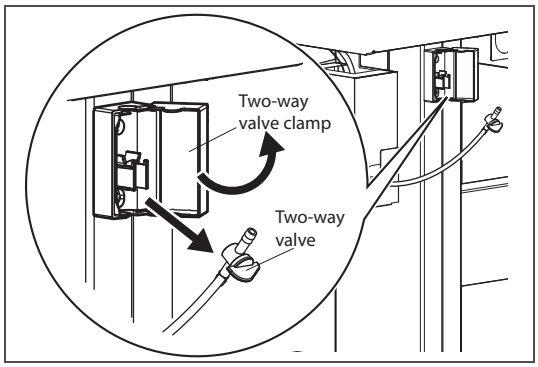
CAUTION

Skin or eye contact with UV curable ink may cause skin inflammation or allergic reaction.
For this operation, be sure to wear the supplied gloves (or solvent resistant gloves) and goggles to prevent ink from contacting with your eyes or skin.

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

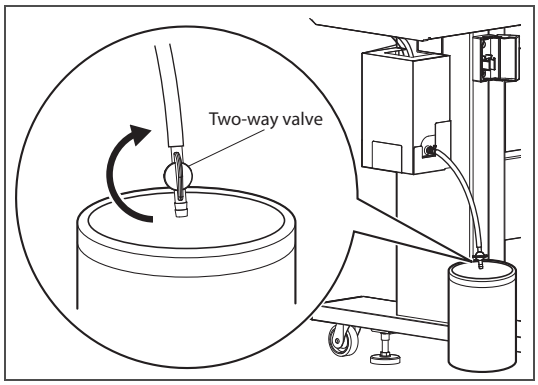
[2] Lay a protective material on the floor under the waste fluid tank.

[3]



Open the cover of the two-way valve clamp, then unhook the two-way valve from the clamp.

[4]

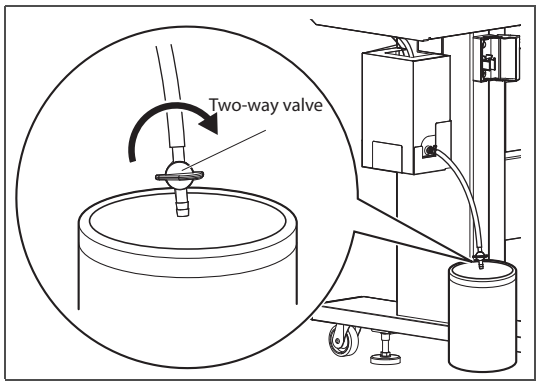


Put the tip of the two-way valve in the empty container and open the two-way valve to drain waste ink from the waste ink tank.

Important!

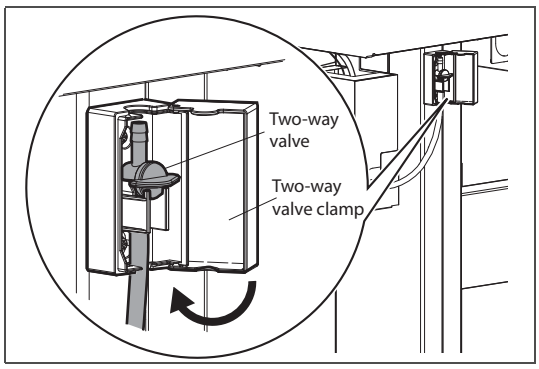
Waste ink may splash while draining from the waste ink tank.

Make sure to put the tip of the two-way valve in the empty container to prevent splash.

[5] 

Once you finish emptying the waste ink tank, close the two-way valve.

[6] Use a dry cloth to clean the tip of two-way valve.

[7] 

Hook the two-way valve on the two-way valve clamp, then close the cover.

[8]

Empty WasteInk	**- > E**

Press the [Enter] key.

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

WARNING

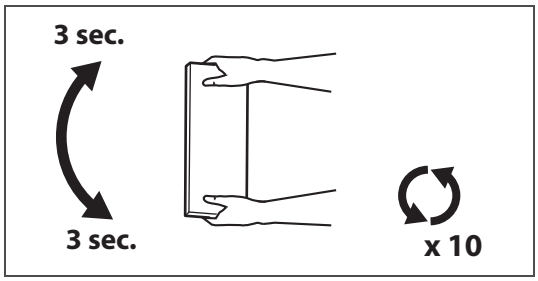
- **You are obligated to properly dispose of waste fluid from the printer in compliance with Wastes Disposal and Public Cleansing Act and local ordinances. Delegate disposal to an industrial waste disposal contractor.**
- **Waste fluid from this printer is harmful to aquatic organisms. Avoid the waste fluid from out flowing to sewage or natural water systems.**

[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.

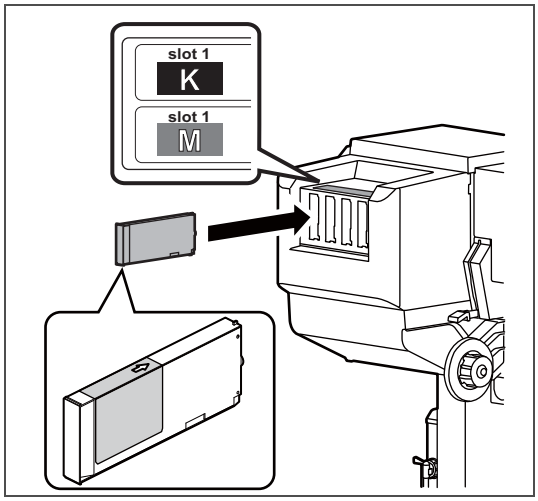
You need the following ink cartridges:

4-color setting	5-color setting	6-color setting
•Black (K): 2	•Black (K): 1	•Black (K): 1
•Cyan (C): 2	•Cyan (C): 1	•Cyan (C): 1
•Magenta (M): 2	•Magenta (M): 1	•Magenta (M): 1
•Yellow (Y): 2	•Yellow (Y): 1	•Yellow (Y): 1
	•Varnish (Va): 2	•Varnish (Va): 2
	•Cleaning (Cl): 2	•White (Wh): 2

Note

You do not have to agitate varnish ink and cleaner before use.

[3]



Insert ink cartridge to this printer.

- Match the label of this printer to the color of ink cartridge.
- 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.**

[4]

Media End

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

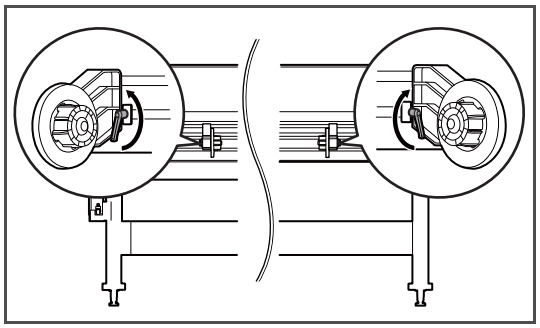
- That completes the ink charging.

1. Loading Roll Media onto the Roll media holder

Important!

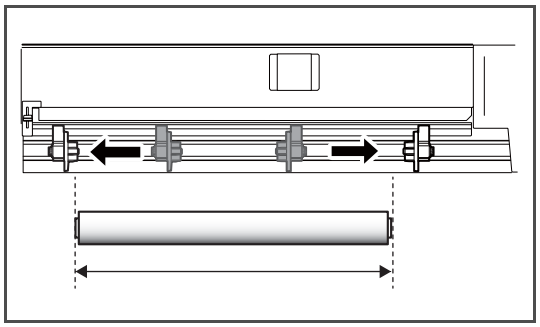
Depending on the type of the media, we recommend that two or more persons set the media.

[1]



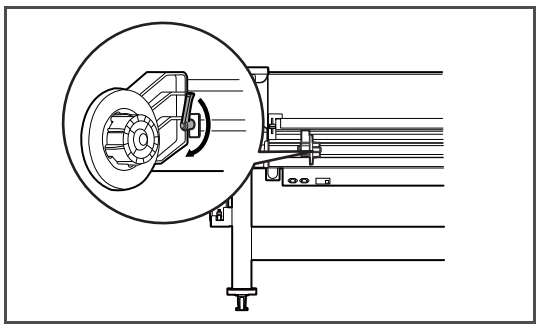
Loosen Fixing levers on the Roll media holders (both left and right) on the back of the printer.

[2]



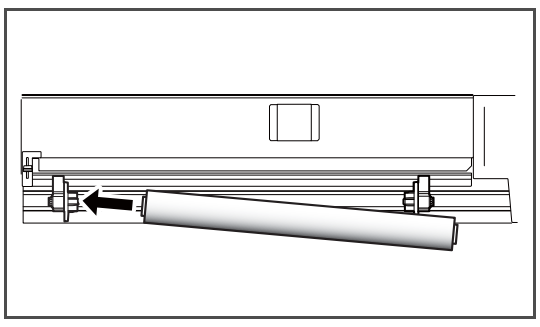
Set the distance between Roll media holders wider than the actual width of the roll media to be set.

[3]



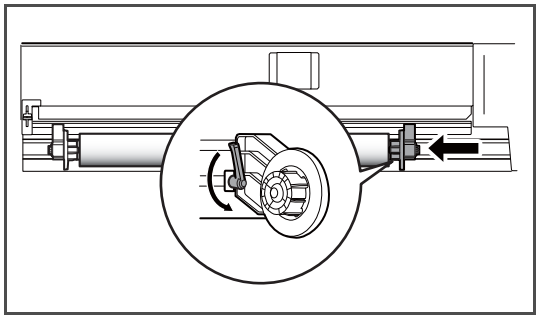
Tighten Fixing lever of Roll media holder (left) and fix the Roll media holder (left).

[4]



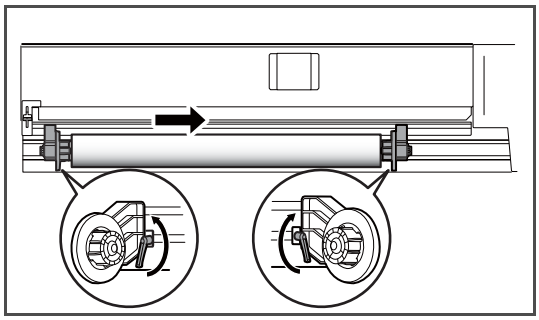
Set the roll media to Roll media holder (left).

[5]



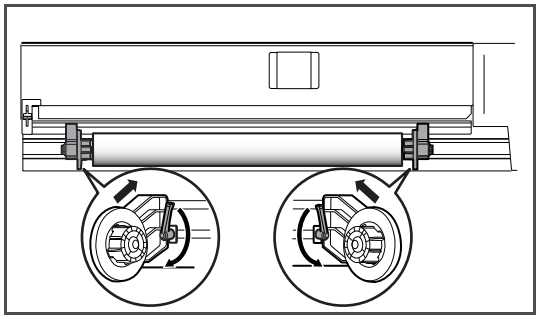
Attach Roll media holder (right) to the roll media and tighten Fixing lever.

[6]



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

[7]



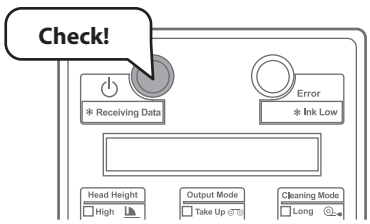
Press Roll media holder toward the printer and fix the Fixing levers.

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.

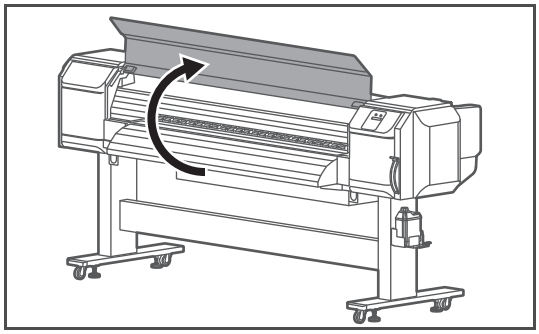
2. Loading Roll Media into the printer

[1]



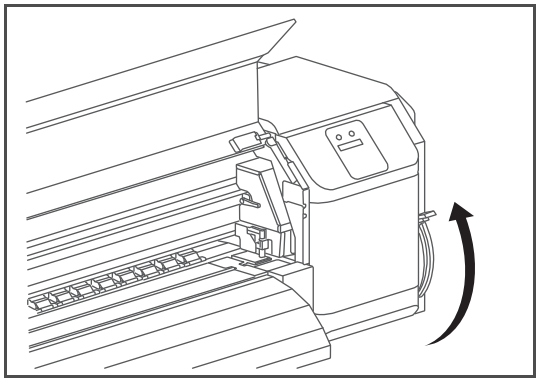
Make sure that the printer is turned ON.

[2]



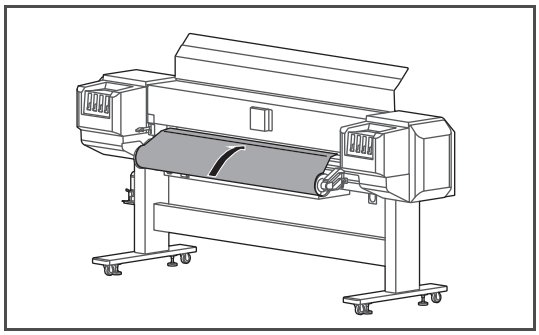
Open the front cover.

[3]



Raise the media loading lever.

[4]

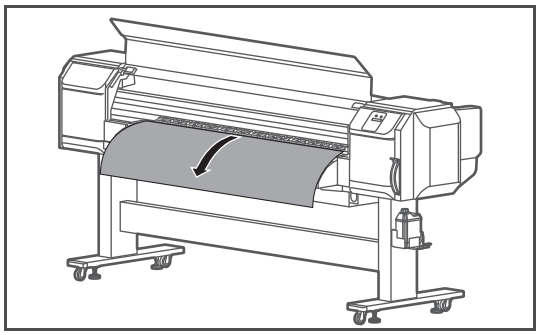


Load the roll media to Media feed slot.

Note

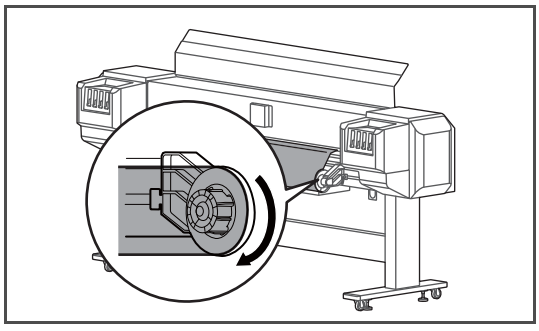
If the end of the roll media is not wound tightly, wind it tightly again, and then load it.

[5]



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

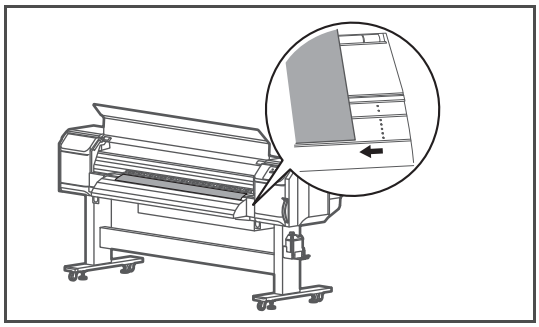
[6]



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.

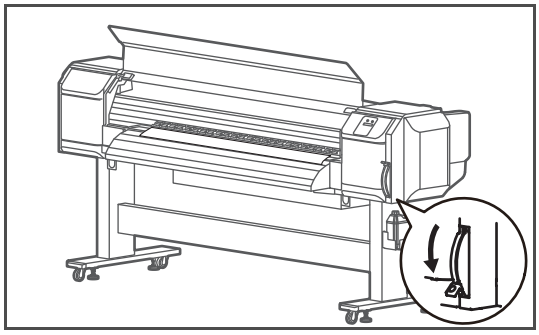


Confirm that the right edge of the roll media does not go beyond the loading mark. If it does, it may affect print quality.

3. After loading the media...

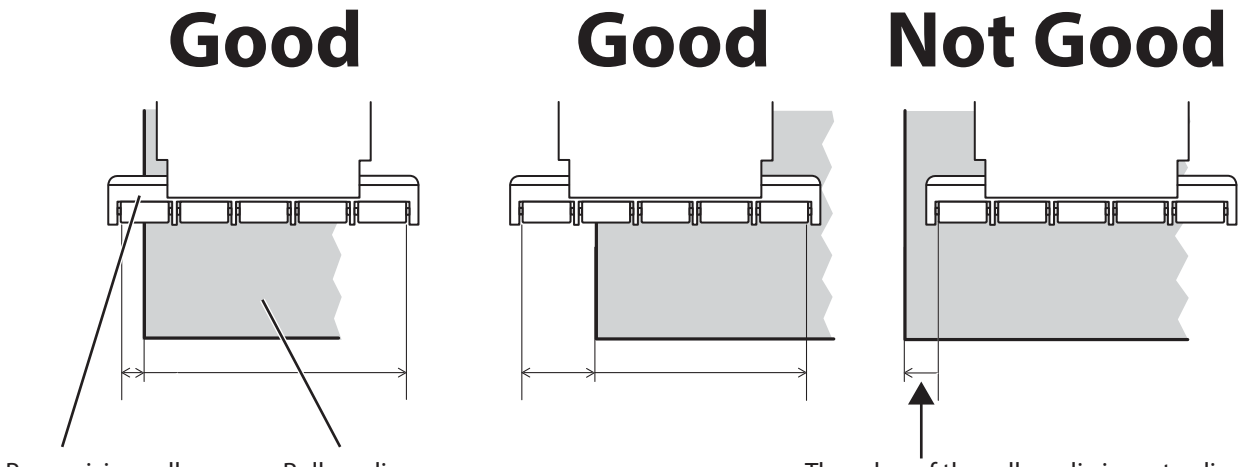
[1] **Lever Up**

"Lever Up" is displayed on the Operation panel.

[2] 

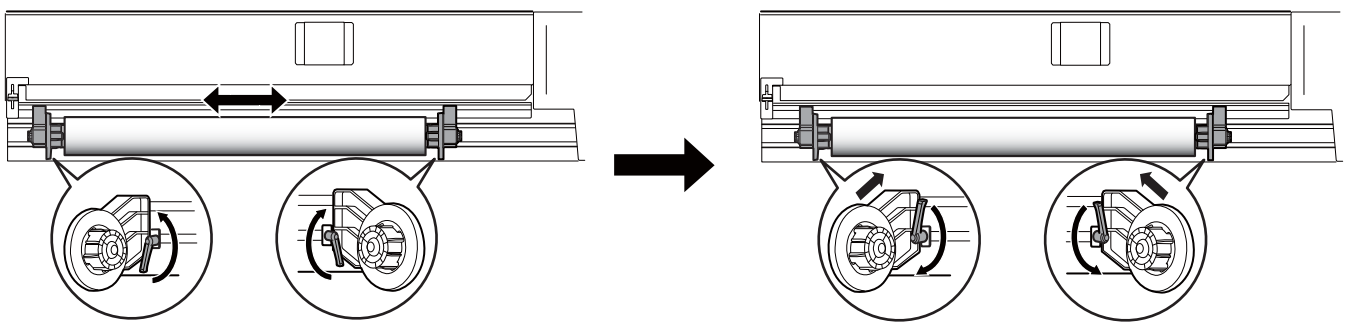
Lower the media loading lever.

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



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

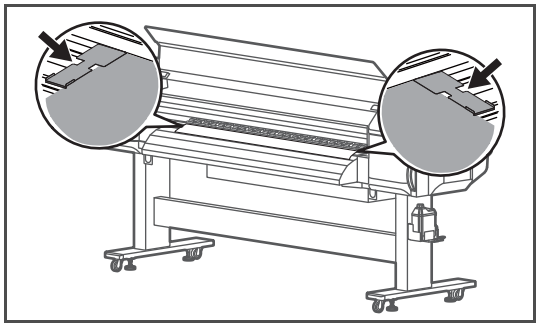
- Raise the media loading lever.
- Loosen Fixing levers of the right and left Roll media holders, and move the roll media to left or right.
- Press Roll media holder toward the printer and fix the Fixing levers.



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.

[5]

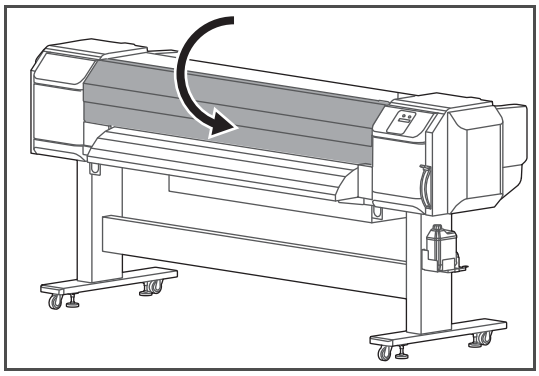


Set the media holder at both edges of the media.

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.

[6]



Close the front cover.

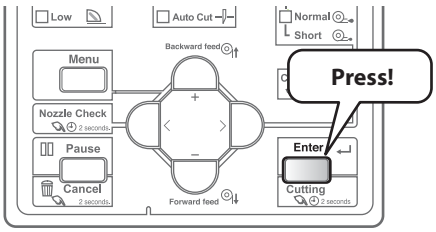
[7]

User :	Type **	OK?

"User: Type ** OK?" is displayed on the Operation panel.

- Press the [+] key or [-] key on Operation panel to select the User Type Setting.

[8]



Press the [Enter] key to execute media initialization.

- That ends the media loading procedure.

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

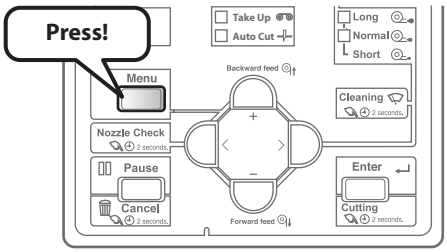
- "Nozzle Check B" will only appear in the menu if the printer is set to 6-color configuration.
- When using white ink, colored media, transparent films or semi-transparent films (such as OHP film, tracing paper and more) are recommended to use for nozzle check.

1. Nozzle check steps

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

"Test printing" P. 22

[2]



Press the [Menu] key.

[3]

Menu 4:	**TestPrint >**

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

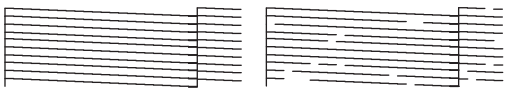
- Press the [>] key.

[4]

Test1:	**Nozzle Check**
Test2:	**Nozzle Check B**

- 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.

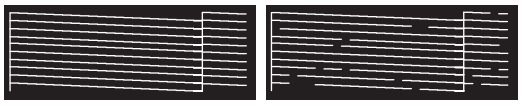
[5]



No nozzle clog　　Nozzle clogged

Check the nozzle check print.

- If there is nozzle clog, go to "Cleaning steps" P. 29.
- If there is no nozzle clog, go to "Sleep Mode" P. 31.



No nozzle clog　　Nozzle clogged

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

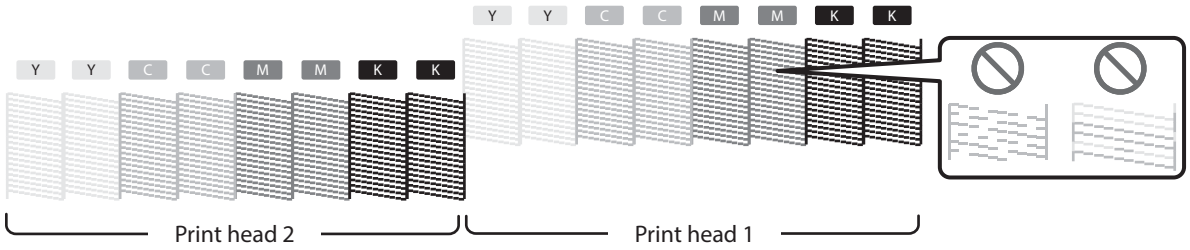
Note

For the KCMY nozzles, the background is printed in white ink.

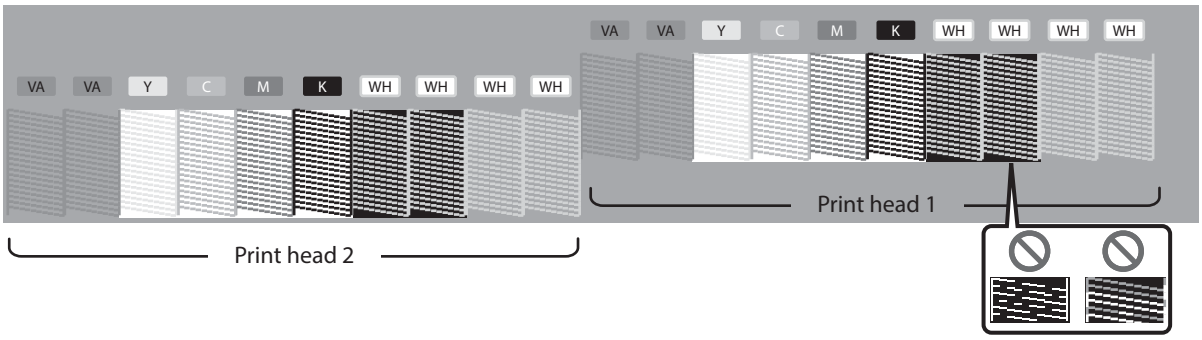
For varnish (and part of white) nozzles, the background is not printed.

Note

The figure below are examples of the Nozzle Check patterns (4-color setting).



The figure below is an example of the Nozzle Check B pattern. 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 P. 88 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.

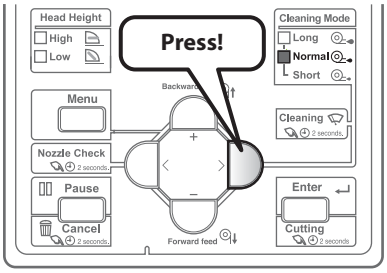
Note

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" P.93

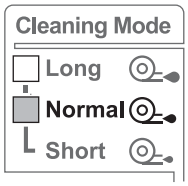
2. Cleaning steps

[1]



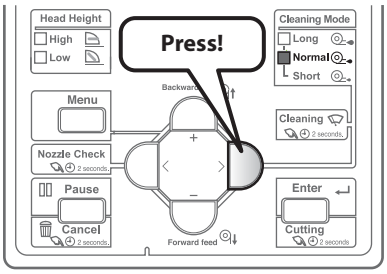
Press the [Cleaning] key, so that the “Normal” indicator (one of the “Cleaning Mode” indicators) lights steady.

- 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. 27**

- If there is still nozzle missing, repeat normal cleaning.
  See “Head cleaning” P.119 of the operation manual regarding “Short”, “Long”, “LittleCharge” and “InitialCharge” cleaning.

Installation of the MUTOH Status Monitor

Before connecting the printer to your computer, make sure to install MUTOH Status Monitor (MSM).
After the installation, follow the instructions on the MUTOH Status Monitor Operation Manual to configure initial settings, register your printer and enable MUTOH Print Server (MPS).

☞ MUTOH Status Monitor Operation manual “Initial Setting”, ”MUTOH Print Server”

The following software and operation manual can be downloaded from MUTOH Club:

MUTOH Status Monitor (MSM)	Monitors the printer’s status information, changes the printer settings, and performs test printing, etc.
Manuals (for printer and software)	The following manuals are available in PDF format. • VJ-1638UR Mark Ⅱ Operation manual “Operations and Maintenance Methods” • VJ-1638UR Mark Ⅱ Startup Guide (This manual) • MUTOH Status Monitor Operation manual

Important!

- **Make sure to install MSM downloaded from MUTOH Club.**
- **Be sure to utilize the MPS (MUTOH Print Server) function included in MSM (MUTOH Status Monitor) when using this device. Without this function you may not be able to use the features of this device to the fullest.**
- **Specify the output port of RIP software to MPS.**

[1] Follow the instructions on the "Request for User Registration & Download" sheet supplied with the product to complete user registration and download the Startup Assistant package for your printer.

[2] Unzip the file downloaded and double click on setup.exe.

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.

If you set the printer's sleep mode, the printer performs the following operation.

- Ink circulation
- "Little Charge"

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 if "Ink Low" is displayed.**
- **Agitate the ink cartridges.**

Steps

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

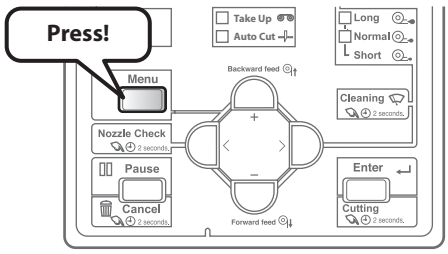
- The front cover and the maintenance cover are closed.
- The remaining ink level is sufficient.
- The waste ink tank has enough space.

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-1638UR Mark Ⅱ
☞ Operation manual "Preparing for Daily Maintenance" P.110

[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.

Wait for a while

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

[8]

Daily Maint. :	End

The message on the left will appear.

- You can start daily maintenance.
  ☞ Daily Maintenance Sheet for VJ-1638UR Mark Ⅱ
  ☞ Operation manual “Performing Daily Maintenance” P.112
- After the daily maintenance is complete, press the [Enter] key.

[9]

Cleaning	** %

The printer automatically performs the “Short” cleaning.

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.
- Depending on the elapsed time from the previous automatic maintenance, the printer may automatically execute head cleaning and/or ink charging, etc., when it exits the sleep mode. Such operation does not depend on the sleep mode settings. It is an automatic maintenance function of the printer.

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.

This system (including the housing and safety device) is a Class 2 laser product.
Laser specifications of this system (including the housing)
Wavelength: 655 nm, maximum output: 1mW or less, pulse duration: 3.0 µs
Complies with IEC 60825-1 Edition 3.0 (2014-05). Complies with FDA performance standards for laser products except for deviations pursuant to Laser notice No.50 dated June 24, 2007.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in radiation exposure.

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” P.9 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.
If lifting up the printer with the vinyl on, there is a possibility the printer can slip and drop, and be damaged.

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

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

During cleaning, please note the followings:
- **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.**
- **Always follow the steps to perform daily maintenance.**
  When moistening the surface of nozzles, do not use the cleaning stick already used to clean the print head circumference, cleaning wiper or cap circumference. Doing so may result in damage to the print head.
- **Always use a new cleaning stick and dampen it with dedicated maintenance cleaner.**
  DO NOT use non-dedicated maintenance cleaner. It may cause nozzle clogging.
- **Do not touch the tip of a cleaning stick with fingers.**
  If sebum is adhered, it can cause damage to the print head.
- **Do not reuse a cleaning stick.**
  Dusts can adhere causing damage to the print head.

When cleaning the print head circumference, never touch the surface of the print head nozzles.

When cleaning the cleaning wiper, do not touch the cleaning wipers or the head cap unit.

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.

Do not force the front cover closed.
It will close by its own weight.

Keep the work area well-ventilated.
Not doing so may cause nausea or a fire hazzard.

Do not use volatile solvents such as thinner, benzene, or alcohol.
These solvents may cause damage to the paint.

Ultraviolet light (bluish white light) emitted from the UV inkjet printer is minimized to safe levels; however, be aware of the following points when handling the printer.
- **Do not stare directly into the gap under the cover, or stare at the ultraviolet light at close range for long periods of time.**
  This may cause eye damage.
- **Do not expose your skin to ultraviolet light at close range for long periods of time.**
  This may cause skin inflammation.

Concerning consumable items

WARNING

- **Keep out of direct sunlight and store the waste ink container in a cool, dark place.**
- **Keep away waste fluid from fire and high temperatures.**
- **Do not mix waste ink with any other chemical substances, not even in small amounts. When mixed with other chemicals (e.g. oxidants), heating may occur.**
- **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.**
- **Use a HDPE container with light blocking properties to store waste liquid.**
- **When storing for a long time, slightly loosen the cap on the container to allow air. Do not tightly close it.**

CAUTION

Do not disassemble Ink cartridge.
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).

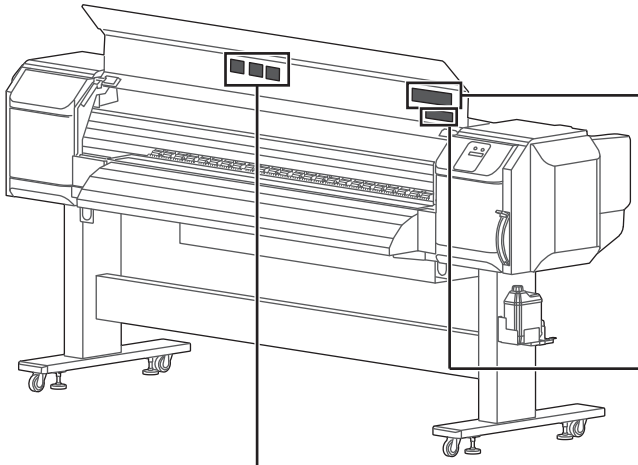
Do not touch UV curable ink with bare hands prior to ink curing.
- **Wear protective gloves, goggles and/or face shield, and clothing while using of the printer.**
- **Especially during operations where ink might contact you (e.g. handling ink cartridges or waste fluid, cleaning of print head/cap/wiper), always wear protective gloves or chemical-resistance gloves to avoid skin contact with ink.**
- **If glove becomes contaminated with ink, replace it with new.**
- **If protective clothing becomes contaminated with ink, immediately remove and wash for re-use.**
- **If ink gets on skin, immediately wash with soap and plenty of water for 15 minutes. Seek medical advice/attention if irritation or inflammation are present.**
- **If ink gets in eyes, flush eyes with plenty of water for 15 minutes and seek medical advice/attention immediately.**
- **If swallowed, rinse mouth immediately and do not induce to vomiting. Seek medical advice/attention.**

Regarding the ink cartridges, be sure to:
- **Before installing a new ink cartridge, invert the ink cartridge back and forth to agitate ink.**
- **Agitate ink in the cartridge when prompted on the operation panel.**

Warning labels

Warning labels are applied onto the product where special attention is required. Read the messages on the labels and always follows the instructions. If the labels are peeled off or become dirty, contact the sales store for exchange.

- Front side



⚠ CAUTION / ATTENTION / 注 意

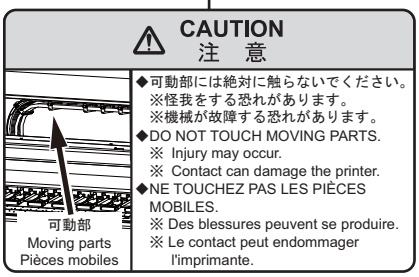
◆Do not give a direct wind from a fan or air conditioner to the machine.
※A wind may dry the ink in the head nozzles causing clogging that affects ink jetting, and you will not be able to obtain satisfactory printing results.
◆Normal cleaning should be done once a week if the printer is not used for a long period.
※If the printer is left without cleaning,the ink will be hardened inside the head nozzle, and may cause the head trouble.
◆Do not open the front cover while printing. Moreover. Do not touch the media while printing. Good printing result might not be obtained.
※Please remove the media and hold the lever up when not using for a long time. Due to the environment conditions, media float and wrinkle might happen that does not obtain the good result.
◆Paper guides, platen and paper holding plate will become hot due to the heater temperature setting. Beware of being burned.

◆Ne pas exposer directement l'imprimante aux courants d'air des appareils de ventilation ou de climatisation.
※Un courant d'air peut affecter la projection d'encre, empêchant ainsi l'obtention d'une qualité d'impression satisfaisante; ou entraîner un dysfonctionnement de la tête d'impression, suite à l'assèchement de l'encre à l'intérieur des buses.
◆Si vous n'utilisez pas l'imprimante durant une longue période, effectuez un nettoyage normal une fois par semaine.
※Si vous ne le faites pas, cela pourrait entraîner un dysfonctionnement de la tête d'impression, suite à l'assèchement de l'encre à l'intérieur des buses.
◆Ne pas ouvrir le capot frontal en cours d'impression.De plus, en cours d'impression, ne pas introduire vos mains par les ouvertures, et ne pas toucher au papier.Vous pourriez vous blesser, ou ne pas obtenir une qualité d'impression satisfaisante.
※Si vous n'imprimez pas durant une longue période, retirer le papier, et maintenir le levier en position haute.A défaut, vous risquez de ne pas obtenir une qualité d'impression satisfaisante.
◆Le réglage de la température du chauffe-eau, papier - depuis le guide, platine, papier plaque de pression est une température élevée, il peut provoquer des brûlures.

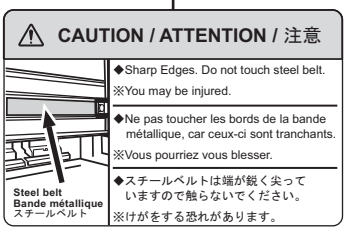
◆直接機械に送風機や空調装置の風を当てないで下さい。
※風によりヘッドノズル内のインクが固まりヘッド故障の原因になったり、インクの吐出に影響を与え、満足な印字結果が得られないことがあります。
◆長期間プリンタを使用しない場合は、週に一度ノーマルクリーニングを行ってください。
※クリーニングを行わずに放置すると、ヘッドノズル内でインクが固まりヘッド故障の原因となります。
◆作画中はフロントカバーを開けないでください。また、作画中は開口部から手を入れたり用紙に触れないでください。思わぬケガをしたり、良好な作画結果が得られないことがあります。
※長時間作画を行わない時は、用紙を外しホールドレバーをアップ状態にしてください。良好な作画結果が得られないことがあります。
◆ヒーターの温度設定により、ペーパーガイド、プラテン、用紙押えプレートが高温となるため、火傷をする恐れがあります。

Printer Safe Handling Label

Cut Hazard Label for Cutter

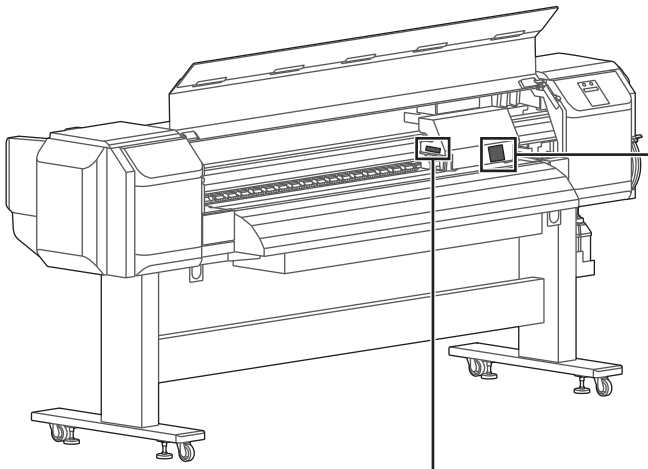


Moving Parts Caution Label



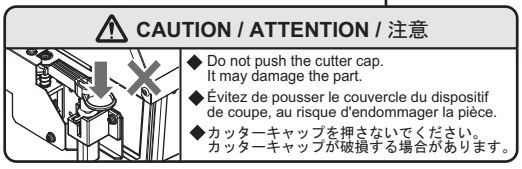
Cut Hazard Label for Steel Belt

Front Cover Caution Label



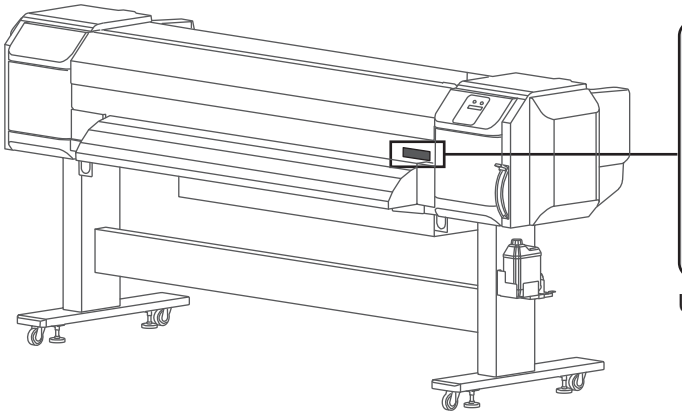
UV Caution Label:

CAUTION ULTRAVIOLET LIGHT:
Do not look directly at light.
Avoid exposure to skin.



Cutter Cap Caution Label

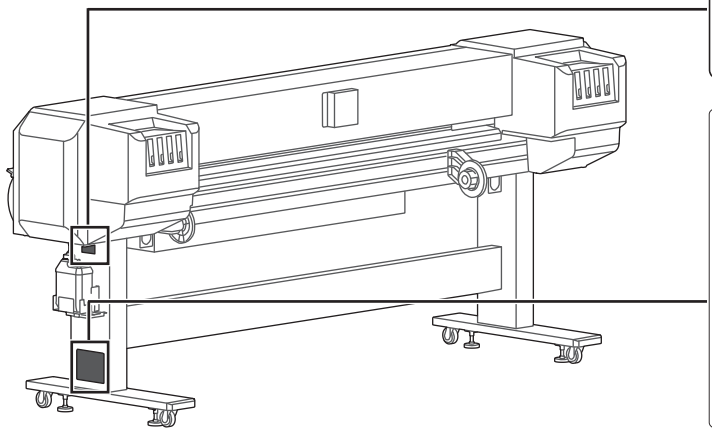
When replacing a cutter blade,
do not push the cutter cap.

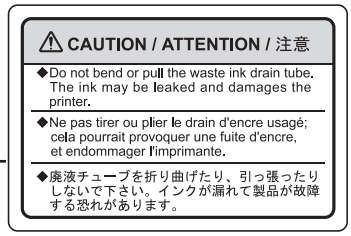


UV Caution Label:

CAUTION ULTRAVIOLET LIGHT:
Do not look directly at light.
Avoid exposure to skin.

- Rear side





Caution Label for Waste Ink Drain Tube Handling

Waste Fluid Caution Label

Note

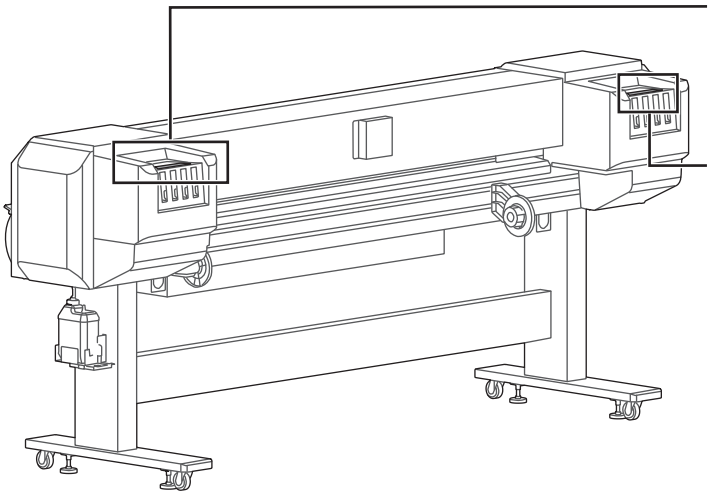
The following marks are for China's safety standards.

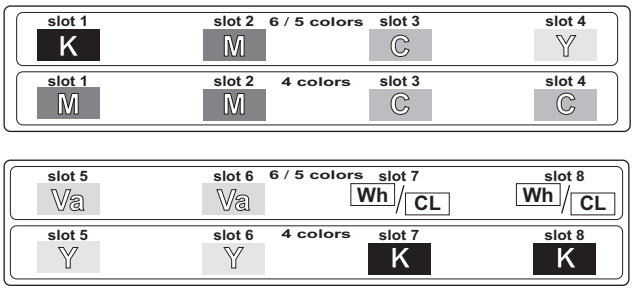
汉文	仅适用于海拔2000m以下地区安全使用。
藏文	《2000m ཡར་ ཁ་ཏགས་ཀྱི་ ས་ཁོངས་ནང་ ཚད་ཡོད་ བཀོལ་སྤྱོད་ བྱས་ན་ ཉེས་ཆད་ མེད། ‥》
蒙古文	“ᠭᠤᠯᠠᠭᠠᠨᠴᠢ᠋ᠨ᠎ᠠ ᠠᠯᠪᠠᠨ ᠵᠠᠷᠯᠢᠭ᠎ᠠᠷ ᠬᠡᠷᠡᠭᠯᠡᠭᠡᠳᠦ᠍ 2000 ᠮᠢᠲᠦᠷ ᠦᠵᠡᠭᠦᠯᠦᠭᠰᠡᠨ ᠤᠨᠤᠰᠤᠨ ᠳᠤᠤᠷᠠᠬᠢ ᠪᠦᠰ ᠳᠡᠭᠡᠷ ᠬᠡᠷᠡᠭᠯᠡᠬᠦ ᠪᠠᠢᠳᠠᠯ ᠬᠠᠩᠭᠠᠭᠳᠠᠵᠤ ᠪᠤᠢ᠃”
壮文	Dan hab yungh youq gij digih haijbaz 2000m doxroengz haenx ancienz sawjyungh.
维文	دېڭىز يۈزىدىن 2000 مېتر تۆۋەن رايونلاردىلا بىخەتەر ئىشلەتكىلى بولىدۇ

汉文	“仅适用于非热带气候条件下安全使用。”
藏文	《ཉམ་ཆུང་ ཆུའི་ ཐ ཆུང་ ཤུལ་ ཁོངས་ཀྱི་ ས་ ཁ་ཏགས་ཀྱི་ ཚད་ཡོད་ བཀོལ་སྤྱོད་ བྱས་ན་ ཉེས་ཆད་ མེད། ‥》
蒙古文	“ᠬᠡᠳᠦ ᠠᠯᠪᠠᠨ ᠵᠠᠷᠯᠢᠭ᠎ᠠᠷ ᠲᠣᠭᠣᠷᠢᠭ ᠤᠨ ᠭᠠᠳᠠᠨ ᠳᠤ ᠬᠡᠷᠡᠭᠯᠡᠭᠡᠳᠦ᠍ ᠪᠤᠰᠤ ᠭᠠᠵᠠᠷ ᠤᠨ ᠤᠯᠠᠮ ᠳᠤ ᠬᠡᠷᠡᠭᠯᠡᠬᠦ ᠪᠠᠢᠳᠠᠯ ᠬᠠᠩᠭᠠᠭᠳᠠᠵᠤ ᠪᠤᠢ᠃”
壮文	Dan hab yungh youq gij dienheiq diuzgen mbouj dwg diegndat haenx ancienz sawjyungh.
维文	غەيرى ئىسسىق بەلباغ ھاۋا كىلىماتى شارائىتىدىلا بىخەتەر ئىشلەتكىلى بولىدۇ

Operation instruction labels

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





Ink Color Indicating Labels

MUTOH