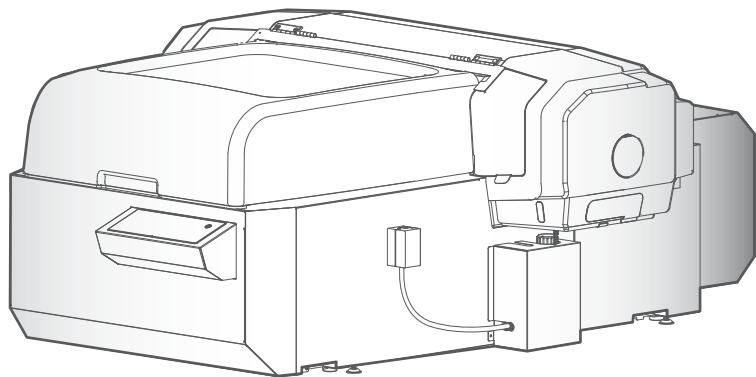


XPJ-661UF

Startup Guide

Unpacking and Initial Setup



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- 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.
- Company names and product names that appear in this Guide are registered trademarks of the respective companies.

Site Preparation

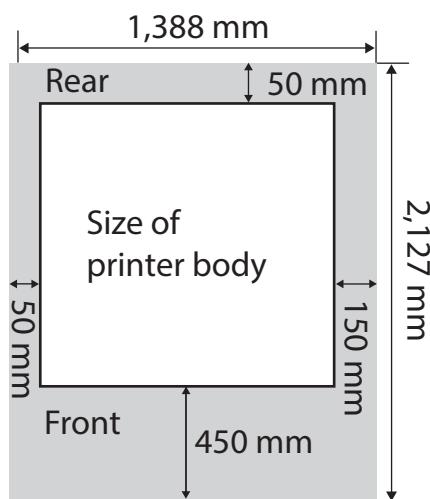
Choose the location which satisfies the requirements below.

Installation Location Requirements

- The table must be level.
- Avoid vibration from the neighboring devices.
- Low humidity and free from dust.
- Less chance of temperature and humidity changes.
- Avoid direct sunlight.
- Avoid water.
- Avoid direct air onto the printer.
- Low levels of electromagnetic waves.

The following space is required for installation.

Minimum Space Requirements



Size of printer body

width×depth : 1,188 mm x 1,627 mm

height : 604 mm

(with optional stand : 1,254 mm)



Note

The above minimum installation space does not include working space. Use this information when you want to install this printer as close to the wall as possible.

Make sure to secure sufficient working space to safely use the printer.



Important!

When placing the printer on the work table, the right side of the printer should not be more than 300 mm away from the right-hand edge of the work table. If it has more space, the drain tube may not reach to the container when emptying the waste ink tank.

CAUTION

- Install this printer within your reach on the table (including when opening the front cover).
- **If you cannot reach the cover when it is fully opened, change the position of the printer.**
If you are not in a balanced posture when you open or close the front cover, your hands or other body parts could get caught in it, possibly resulting in injury.
- Choose the work table and floor that can safely support the weight of this product.
The total weight of printer is 130 kg.
If the work table and floor do not have sufficient load capacity, it can lead to injury from a fall.
- Keep the work area well ventilated while operating.
Ink odor may cause health problem such as headache, dizziness, or dull. If you experience these symptoms, stop printer operation and move to fresh air. Seek medical attention if vomit persists.
- Install the product away from the direct sunlight.
Exposure to direct sunlight may cause premature ink curing leading to damage to the product.
- The equipment is not suitable for use in locations where children are likely to be present.

The installation site must meet the power specification and environmental requirements below.

Power Specification

Input voltage: AC 100V to 240V±10%

Input frequency: 50 / 60Hz ±1Hz

Input load current: 3.5 A (AC 100V - 120V), 1.8 A (AC 200V - 240V)

Environmental Requirements

- Operating condition:

Temperature: 20°C to 32°C, Humidity: 40% to 60%, non condensing

- Printing Condition:

Temperature: 22°C to 30°C, Humidity: 40% to 60%, non condensing

- Change rate

Temperature: No more than 2 °C per 1 hour

Humidity: No more than 5% per 1 hour

- Printer Storage Condition:

Without ink filled: Up to 6 months (Temperature: -20°C to 60°C, Humidity: 20% to 80%, non condensing)

With ink filled: Up to 30 days^{*1*2} (Temperature: 5°C to 30°C, Humidity: 20% to 80%, non condensing)

^{*1} Follow the procedure "Daily Maintenance" in the operation manual to perform daily maintenance.

^{*2} Always leave the printer in sleep mode and check the remaining ink level once a week.

Agitate the ink once a week as instructed.

- Ink Storage Condition:

Black / Cyan / Magenta / Yellow / Varnish (220 ml or 800 ml)

White (220 ml or 500 ml)

- UH21 ink:

Temperature: -10°C to 50°C (The storage period between 40 °C and 50 °C should be up to one month)

Humidity: 5% to 85%, non condensing

- US11 ink:

Temperature: 5°C to 35°C

Humidity: non condensing

- US61ink:

Temperature: 5°C to 30°C(Store in a cool, dark room)

Cleaning cartridge 220ml Cleaning cartridge (common to UH21, US11, US61 inks)

Temperature: -20°C to 40°C (Storage at 40°C must be within one month. Keep away from heat or flammable materials and store in a well-ventilated, cool, dark place)

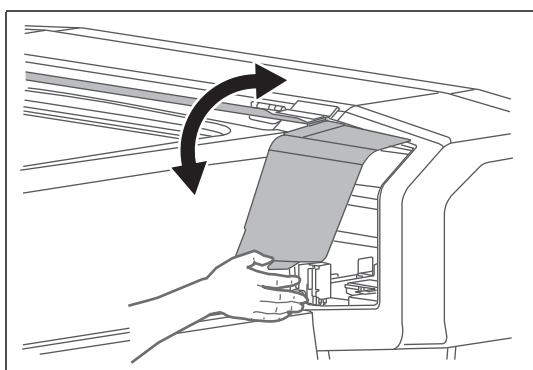
Cautions in using this printer

Safety precautions to open and close the maintenance cover

CAUTION

- **Do not open or close the cover while you are off balance.**
You may pinch your finger or get injured.
- **Always fully open the maintenance cover.**
If you leave it half-open, the maintenance cover can suddenly close.
- **When closing the maintenance cover, hold the tab on the maintenance cover to gently close it.**
Do not place your fingers on the edges of the printer's opening portion, or on any parts around those edges.
Your fingers could get caught and be injured.

To access to the wiper and the head cap unit for daily maintenance, you can open and close the maintenance cover on this printer.



Hold the tab on the maintenance cover as shown on the left to gently open or close the cover.

Unpacking

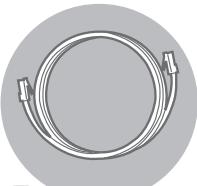
Before unpacking, read the instructions below and prepare the necessary items.

Unpacking Preparation

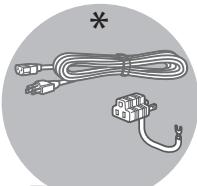
- Minimum 4 people are required for unpacking, assembling and installation.
- The items listed below are required for installation and initial setup.



Computer: 1



Ethernet cable: 1



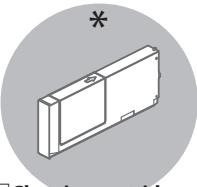
Power cord: 1



Phillips-head screwdriver: 1



Media: 1



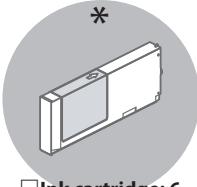
Cleaning cartridge: 6



Paper/ Cloth



Dedicated maintenance cleaner (500 ml): 1

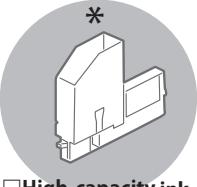


Ink cartridge: 6

Or



800 ml ink bag: 6
(UH21/US11 White ink:
500 ml ink bag)



High-capacity ink pack adapter: 6

WARNING

Use the designated power cord.

Failure to do so may result in electric shock or fire.

Important!

Your computer must meet the following minimum requirements:

- **OS: Windows 11 (32bit/64bit), Windows 10 (32bit/64bit)**
- **CPU: Intel (R) Core (TM) i5 or more**
- **Memory: 8GB minimum**
- **Network: 100BASE-TX Ethernet port and 100BASE-TX Ethernet cable (Category 5 or later)**

Note

- For Windows 11, you will need to use MSM Version 8.13 or later.
- Items marked with an asterisk (*) above are accessories or supplies.
- Paper/ Cloth: It is used to cover the work table or floor when emptying the waste ink tank. Please prepare one that you can discard.
- To install the 500ml / 800 ml ink pack to the high-capacity ink pack adapter, refer to the operation manual included with the high-capacity ink pack adapter.
- 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

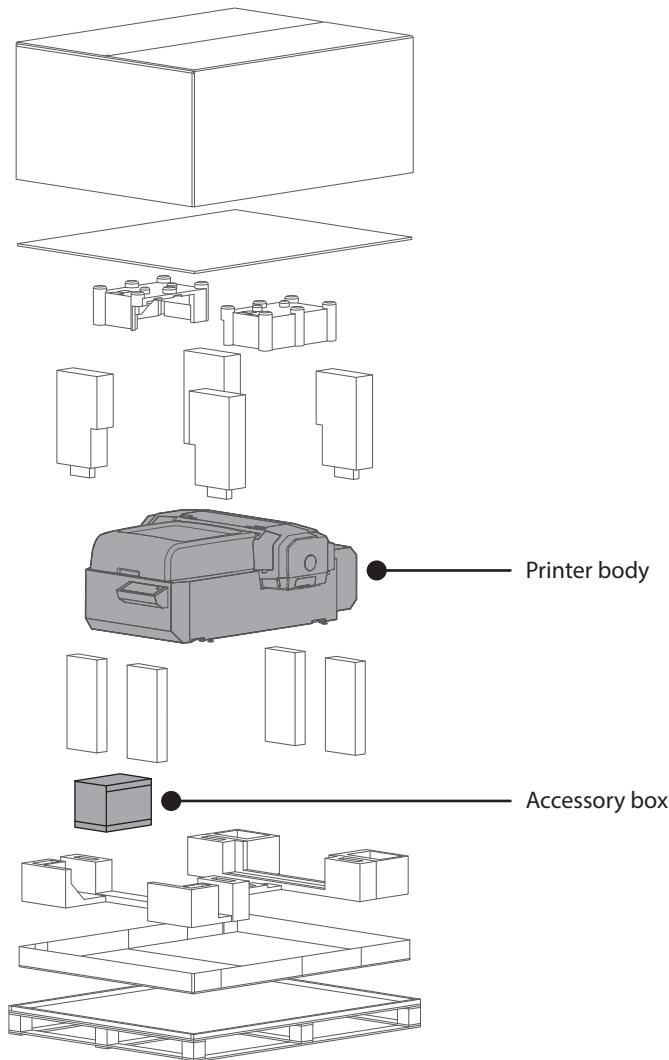
Unpack the product.

Unpacking the printer

⚠ CAUTION

- **Minimum four people are required for unpacking and moving this product.**
- **When taking out the product from the packing box, remove the plastic sheet wrapped around the product, then take out the product. This will prevent slip and damage to the product.**
- **Keep the product level while moving it.**

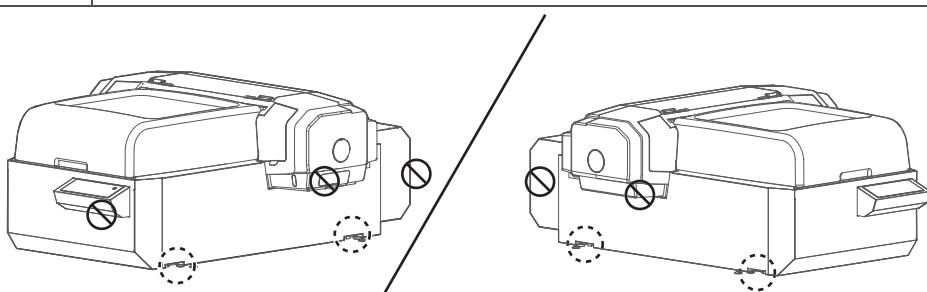
[1] Open the packing box and take out the items listed below.



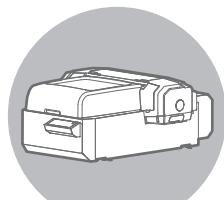
⚠ CAUTION

When moving this printer, always hold the handles shown below.

Holding rear side or sides of the printer or operation panel can result in damage to the printer.



[2] Check if the followings are included.



Printer: 1



Request for Registration & Download sheet: Japanese / English



Startup Guide: Japanese / English (this document)



Instruction sheet for dedicated ink: Japanese / English



Notification sheet: Japanese / English



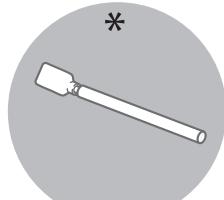
Daily maintenance sheet: Japanese / English



Notes for printing on object: Japanese / English



Paper Towel (Lint-free cloth): 5



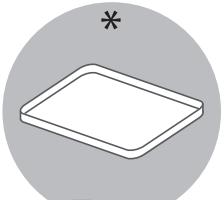
Cleaning stick: 50



Dropper (5 ml): 2



Plastic cup (100 ml): 1



Tray: 1



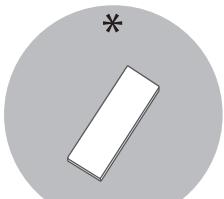
Rubber gloves: 100



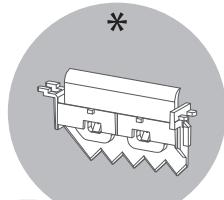
Polyethylene gloves: 100



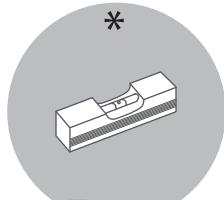
Protective goggles: 1



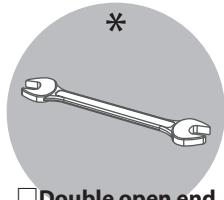
Scraper : 2



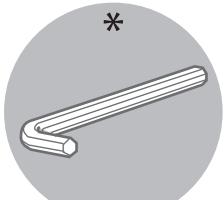
Cleaning wiper: 3



Level: 1



Double open end spanner: 1



Hexagon wrench: 1



Waste ink tank: 1



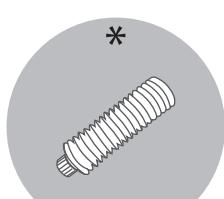
Waste ink tank holder: 1



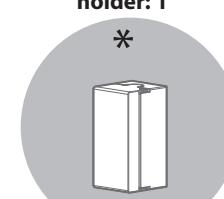
Screw M3x6: 13



Waste ink tank cover: 1



Lubricating grease: 1



Drain tube valve clamp : 1



Screw M4x8: 4



Note

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

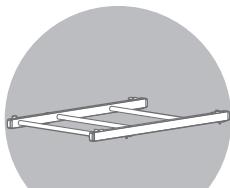
- These caution sheets are bound with a ring.

Unpacking the stand (optional)

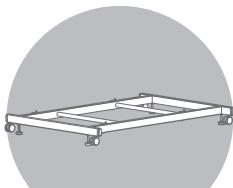
The stand is an optional part. They are not included in the packing box of this printer.

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

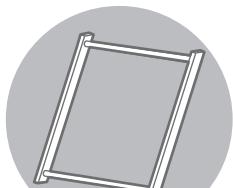
[2] Check that the following items are included.



Stand top piece: 1



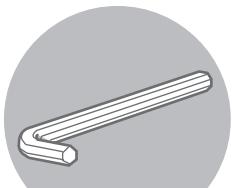
Stand bottom piece: 1



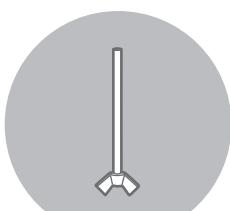
Stand middle piece: 2



Hexagon socket head screw: 8



Hexagon wrench: 1



Wing screw: 4



Single open end spanner: 1

Installing

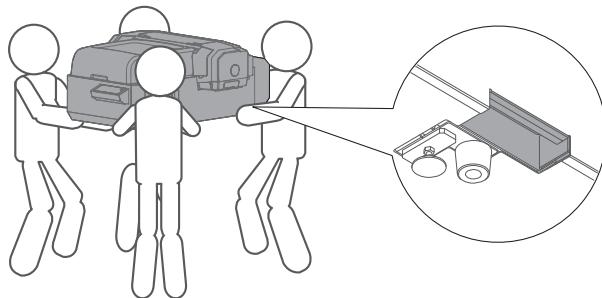
Follow the steps below to install the printer.

Moving to the installation site

⚠ CAUTION

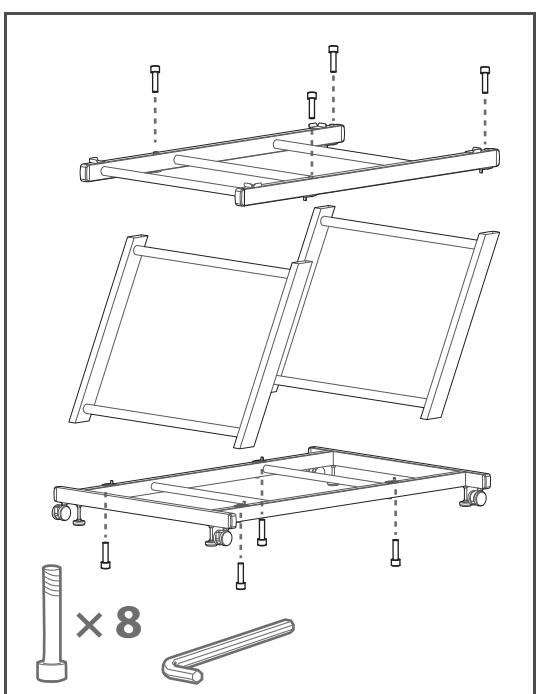
- **Minimum four people are required for unpacking and moving this product.**
- **When taking out the product from the packing box, remove the plastic sheet wrapped around the product, then take out the product. This will prevent slip and damage to the product.**
- **Keep the product level while moving it.**

[1] Use the grab handles under the printer and lift the printer onto the installation location. A minimum of four people are required for the installation.

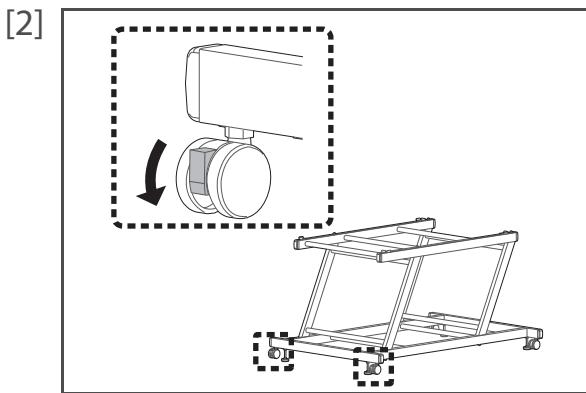


Assembling the stand (option)

[1]



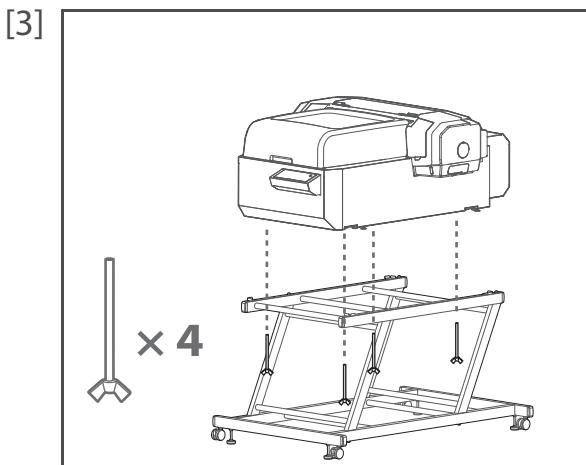
Assemble the stand.



Lock the casters.



[For those who have purchased VJ626-STD-01] Please follow the instruction supplied with VJ626-STD-01 to attach a cross brace to the stand.



- Align the printer's adjusters with the stand's protrusions, and mount the printer on the stand.
- Fix with four wing screws.

Removing Protective Materials and Installing Gas Dampers

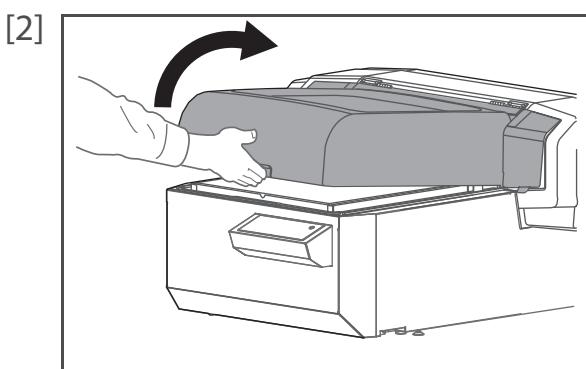
This procedure requires the hexagon wrench and the screws (x4) supplied with the printer.

⚠ CAUTION

- **Do not open or close the cover while you are off balance.**
You may pinch your finger or get injured.
- **Two or more people are required to install gas dampers.**
- **Hold the handle of the front cover and gently open or close the cover.**
If excessive force is applied to the cover, it will shorten its life or will damage to the printer.
- **DO NOT drop protective materials or place any items on the table.**
It can affect print quality.

Steps

[1] Remove all the protective materials and tapes that are stuck onto the outside of the printer.

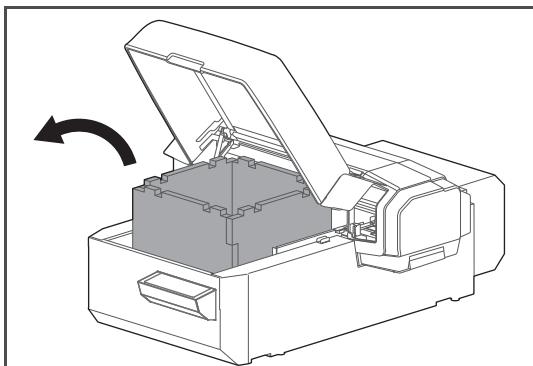


Hold the handle on the front cover to gently open it.

 **Important!**

Step 3 through 6 requires two or more people. To keep the cover open, while one person holds the front cover, the other person removes the protective materials and install the gas dampers.

[3]

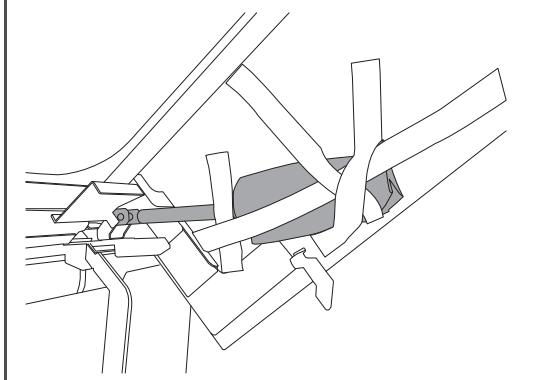


Remove the protective material on the table.

 **Important!**

**DO NOT open the front cover more than 90 degrees.
It can result in damage to the printer.**

[4]



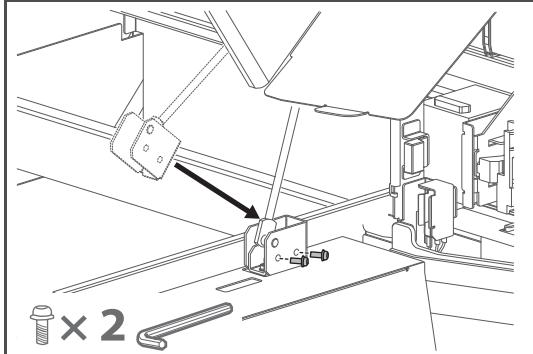
Take the gas damper off from the inside of the front cover (The left illustration shows an example of the right gas damper).

- Remove the tape and the protective material from the damper.

 **Important!**

- **Two or more people are required to install gas dampers.
To keep the cover open, while one person holds the front cover, the other person removes the protective materials and install the gas dampers.**
- **DO NOT open the front cover more than 90 degrees.
It can result in damage to the printer.**

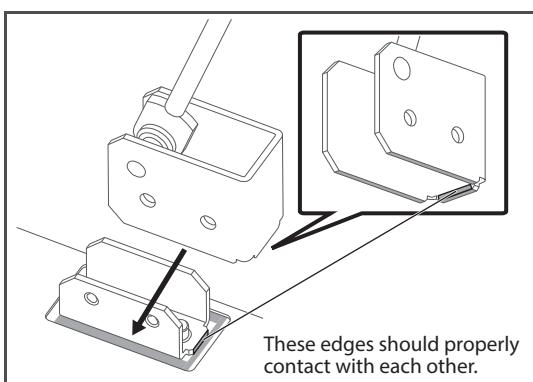
[5]



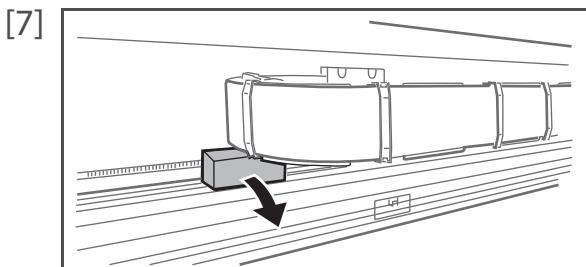
Install the gas damper on the printer.

- Using the hexagon wrench, secure the damper with the screws (x2).

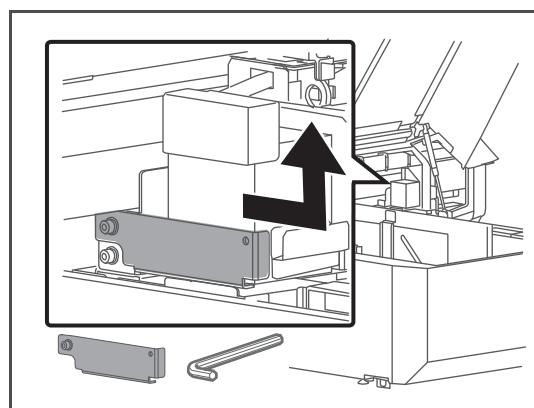
- Make sure that the bottom rear edge of the gas damper properly fits with the rear edge of the mounting plate on the printer.



[6] Follow the step 4 and 5 to install the gas damper on the other side of the printer.



Remove the protective material for the Steel Bare.

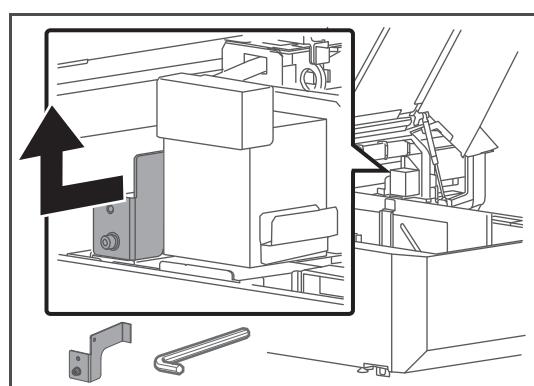


Loosen the screw to remove the UV-LED lamp fixing plate from the printer.

- Slide the UV-LED lamp fixing plate towards front side of the printer to remove it.

Important!

- To avoid damage on the table, the washer is attached to the screw to fix to the fixing plate.
DO NOT remove the screw from the fixing plate.
- Remove the UV-LED lamp fixing plate carefully, so that it does not scratch any of the surrounding parts.
If they are scratched, the print quality could drop.
- Keep the UV-LED lamp fixing plate with screw attached.

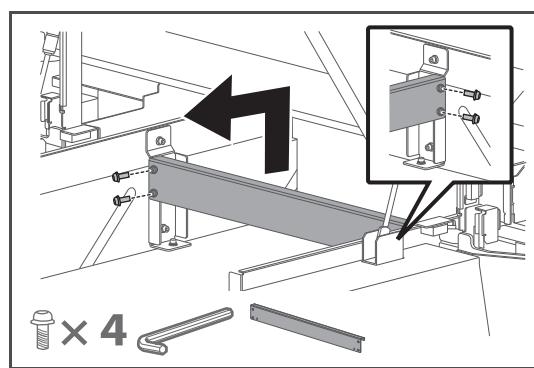


Loosen the screw to remove the head fixing plate from the printer.

- Slide the head fixing plate leftward to take it out.

Important!

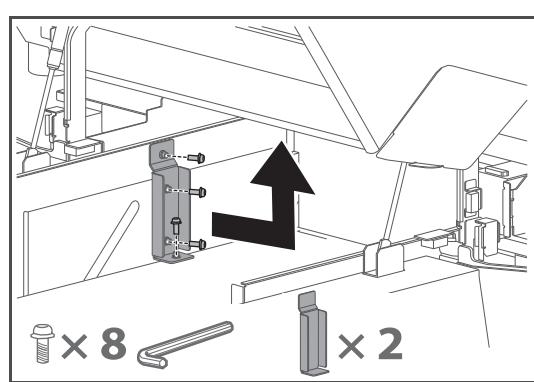
- To avoid damage on the table, the washer is attached to the screw to fix to the fixing plate.
DO NOT remove the screw from the fixing plate.
- Remove the head fixing plate carefully, so that it does not scratch any of the surrounding parts.
If they are scratched, the print quality could drop.
- Keep the head fixing plate with screw attached.



Remove the screws (x4), and remove the support brace between table fixing plates.

Note

- Screws are tied with red vinyl ties.
After removing all the screws, remove the support brace between table fixing plates from the printer.
- Keep the screws with vinyl ties.



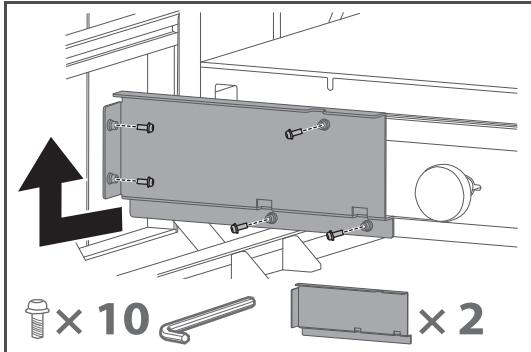
Remove the screws (x4), and remove the table fixing plate.

- Do the same for opposite side to remove screws (x4) and the table fixing plate.

Note

- Screws are tied with red vinyl ties.
After removing all the screws, remove the table fixing plate from the printer.
- Keep the screws with vinyl ties.

[12]



Remove the screws (x5), and remove the table fixing plate.

- Remove the other side of screws (x5) to remove the table fixing plate.

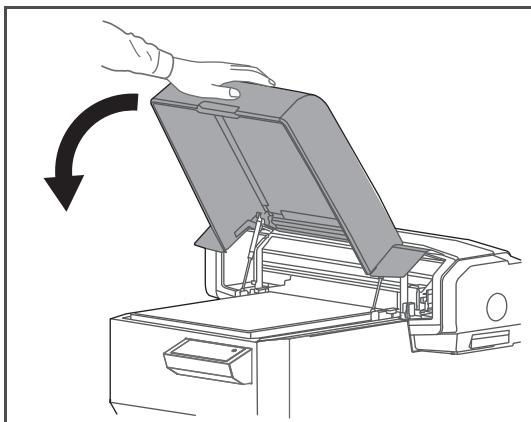


- Screws are tied with red vinyl ties.
After removing all the screws, remove the table fixing plate from the printer.
- Keep the screws with vinyl ties.



Keep the UV-LED lamp fixing plate, head fixing plate, table fixing plates and screws, because they will be reused if the printer is transported.

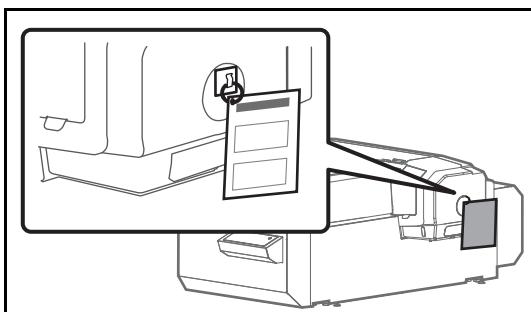
[13]



Hold the position shown on the left and gently close the cover.

Attaching the caution sheets

[1]



Place the caution sheets for this printer on the hook.



- These caution sheets are bound with a ring.



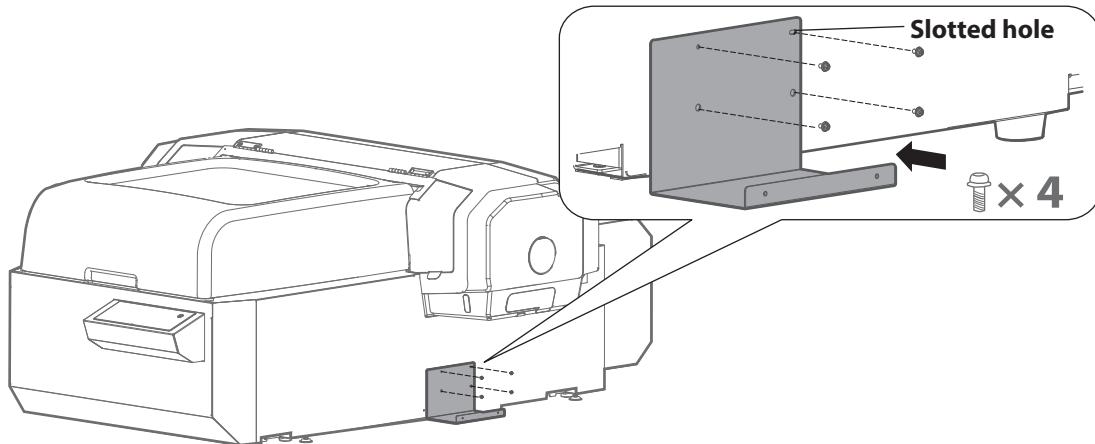
Safety precautions and important notes are described in the caution sheets to safely use the printer.

Make sure to read them before using this printer.

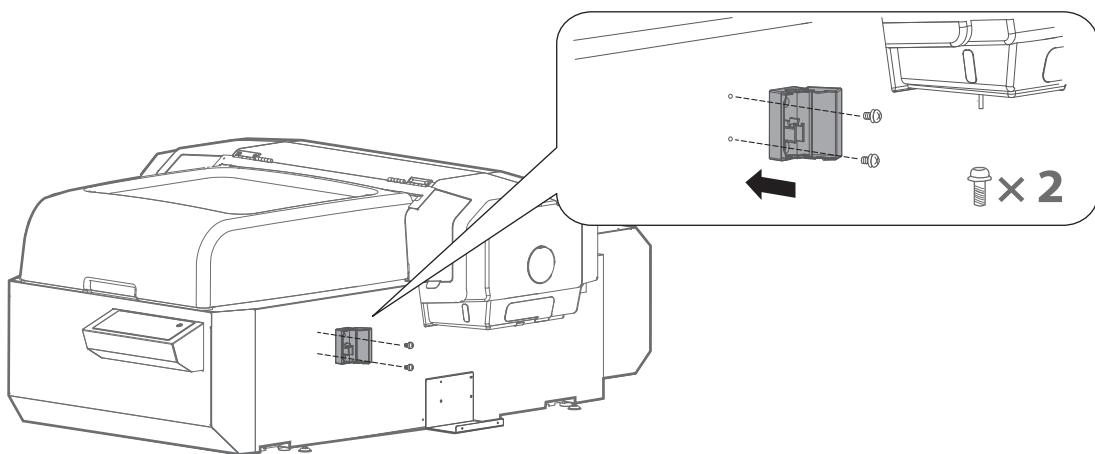
Attach the waste ink tank to the printer.

Attaching Waste Ink Tank

[1] Use four screws (M3x6) to attach the waste ink tank holder to the right side of the printer.
Align the slotted holes on the holder with the mounting holes on the printer and secure with the screws.

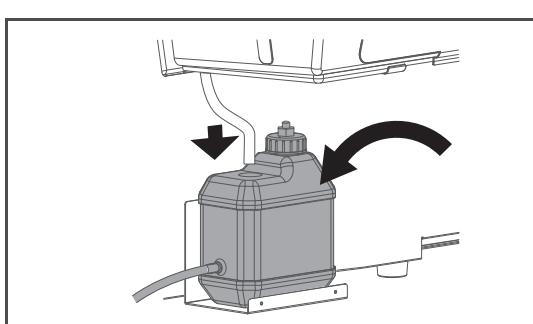


[2] Use two screws (M3x6) to attach the drain tube valve clamp to the right side of the printer.



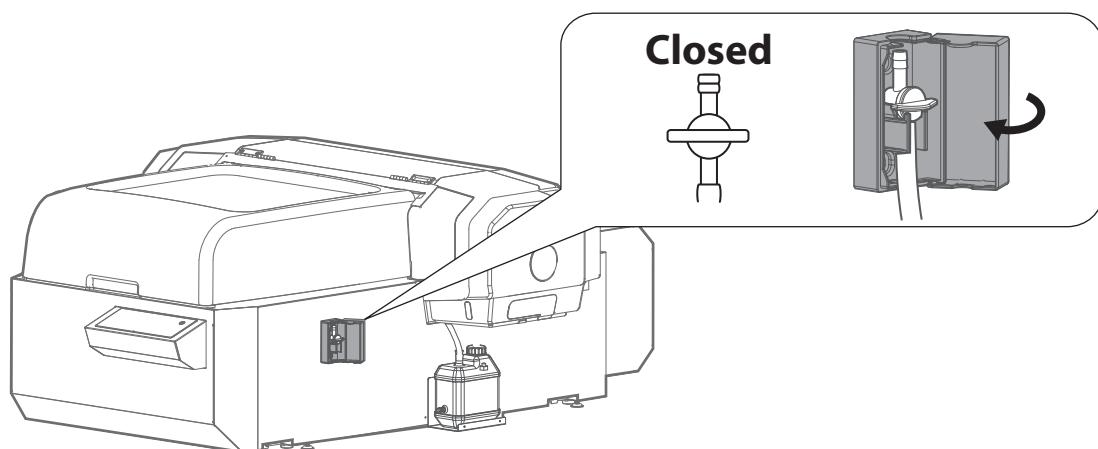
[3] Place the waste ink tank on the waste ink tank holder.

- Place the tank on the waste ink tank holder.
- Insert the waste ink drain tube into the tank.

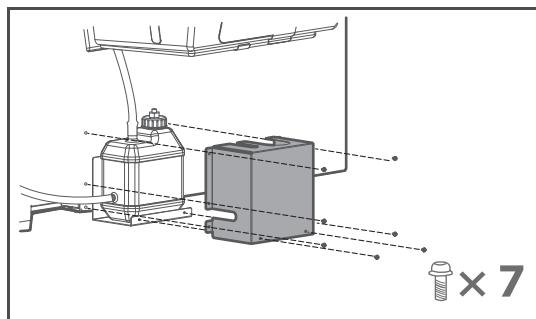


Make sure that the tube is fully inserted into the hole of the waste ink tank cap. This will prevent any ink leakage.

[4] Check that the drain tube valve of the drain tube is closed. Hook the drain tube valve on the clamp, then close the clamp cover.



[5] Use seven screws (M3x6) to attach the waste ink tank cover to the right side of the printer to cover the waste ink tank.

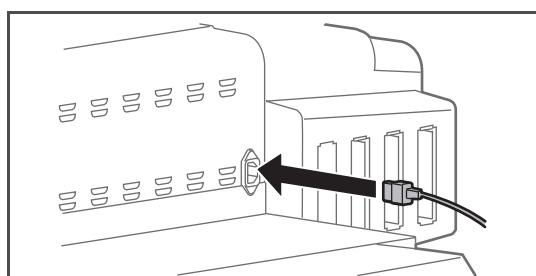


Follow the steps below to connect the power cord and LAN cable.

Connect Power Cords and LAN Cable

[1] Check that the front cover is closed.

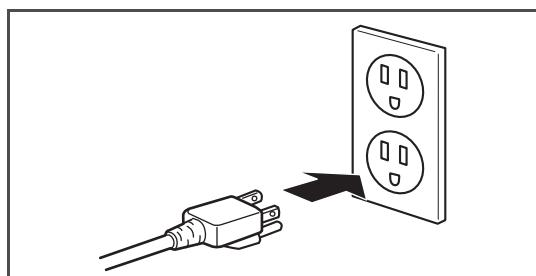
[2] Connect the power cable to the printer.

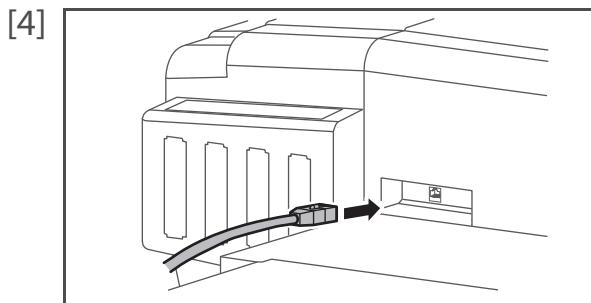


[3] Insert the power cable's plug into the outlet. Be sure to insert it correctly.

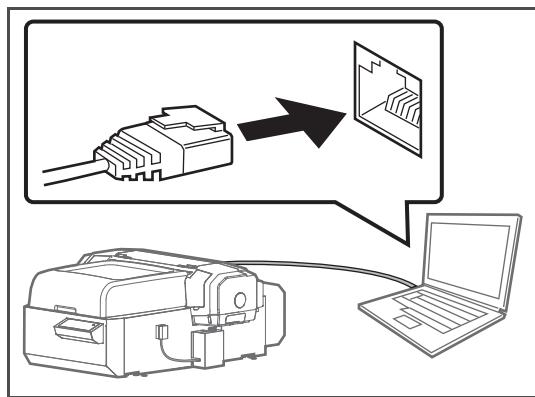
 **WARNING**

Do not use power strips.





Connect the Ethernet cable to the printer.



Connect the Ethernet cable to the computer.



Note

- The left figure is the example of peer-to-peer connection between this printer and computer.
Connection method differs depending on the usage environment.
- If you use the printer with a LAN, make sure that the computer and printer are on the same subnet.

Leveling Printer

Printer Setup Flow

Here is the basic printer setup flow.

- Before using printer, make sure that the printer is level.
Check and adjust levelness of the printer, before turning ON the printer.

Check that the installation area meets the requirements [P.2, 4]

When using the printer without stand

Mount the printer onto the stand [P.9, 10]

Do the steps after "Removing Protective Materials and Installing Gas Dampers"

Check that the printer is level

Level the printer with leveling adjuster

When the printer is level

Turn on the power

Activate the printer

Perform initial ink charging

Setup is now complete !

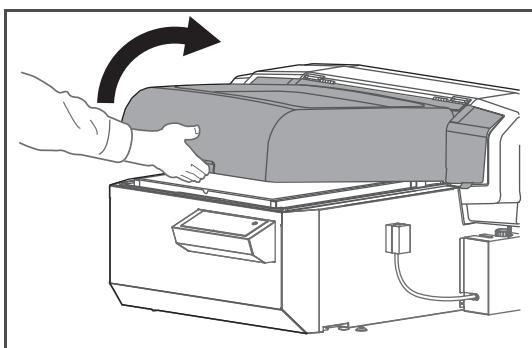
Follow the steps below to check and adjust levelness of the printer.

Checking the levelness

⚠ CAUTION

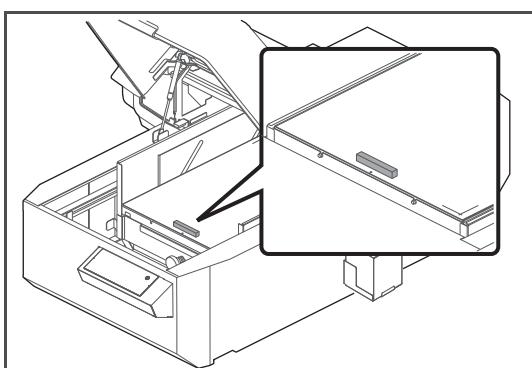
- **Do not open or close the cover while you are off balance.**
You may pinch your finger or get injured.
- **Hold the handle of the front cover and gently open or close the cover.**
If excessive force is applied to the cover, it will shorten its life or will damage to the printer.

[1]



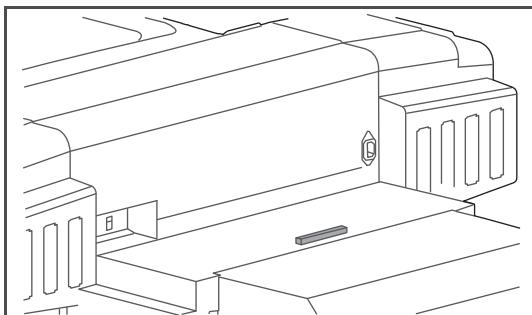
Hold the handle on the front cover to gently open it.

[2]



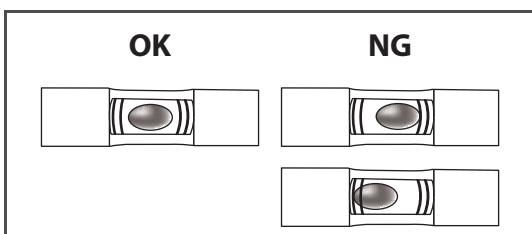
Using the level supplied with the printer, position it in the center of following two places to check for levelness:

- One place in the center of the table



- One place in the center of the printer rear cover as shown in figure left

[3]



- If the bubble on the level does not sit in between the two marks as in No Good example, you need to level the printer.
☞ ["Adjusting the levelness" P. 19](#)
- If the bubble is centered at all two places as in OK example, move on to initial setting process.
☞ ["Turn on the power" P. 23](#)

Adjusting the levelness

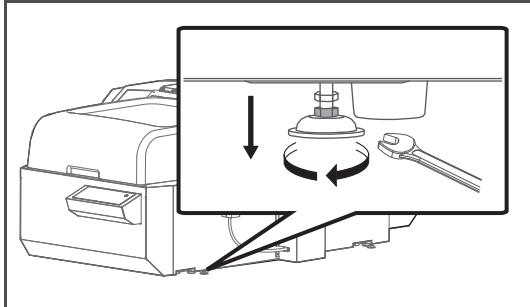
When Using Printer without Optional Stand



Note

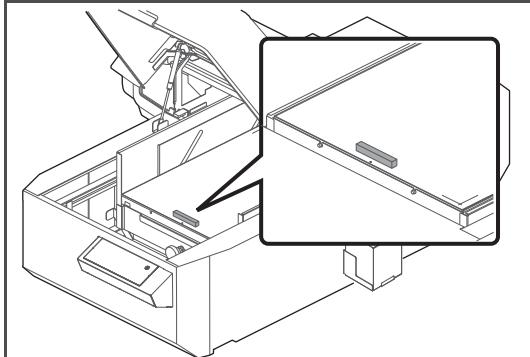
To level the printer without stand, use the double open end spanner supplied with the printer.

[1]



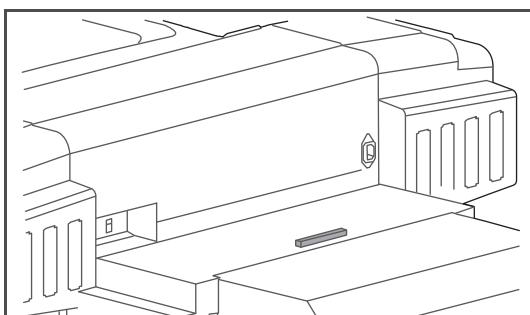
Using the double open end spanner, turn the lower nut of leveling adjuster (x4) as shown in figure left to slightly lift the printer rubber feet away from the installation surface.

[2]



Using the level supplied with the printer, place it on the two places as shown in figure left to check each levelness.

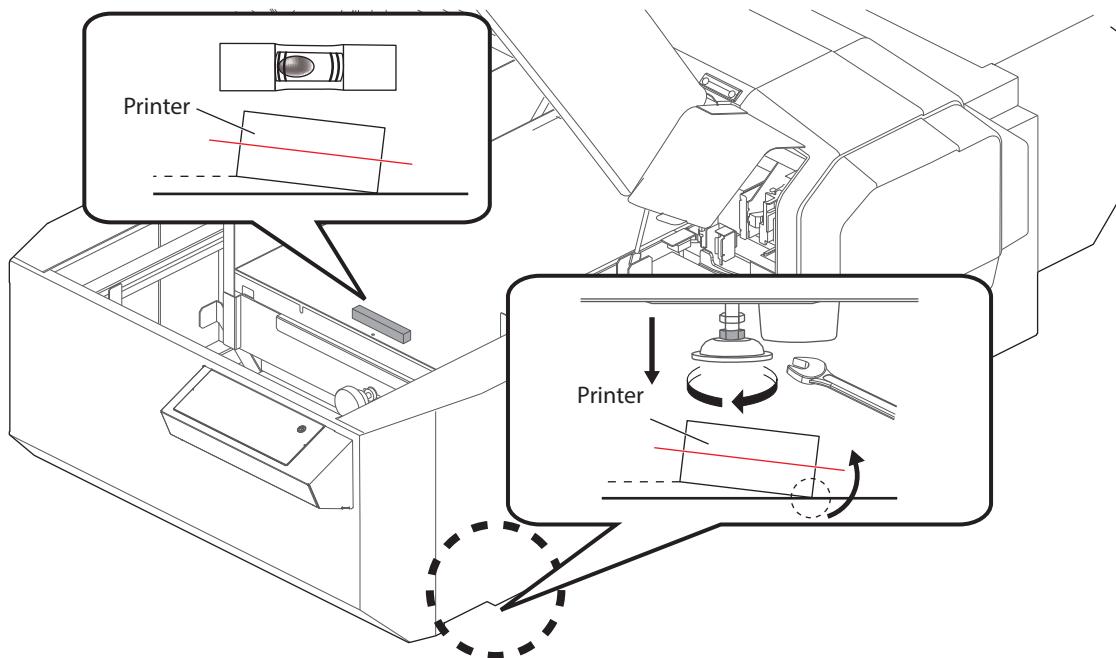
- One place on the table



- One place on the cover of printer rear as shown in figure left

[3] Adjust a leveling adjuster of the most inclined side.

- Use the double open end spanner supplied with the printer.
- In the following example, the printer slopes down left to right so that adjust the leveling adjuster on right front of the printer.



Note

First check the levelness at all two places and then level the printer.



WARNING **When leveling printer, make sure that a printer rubber feet will not be lifted more than 15 mm away from the installation surface.**

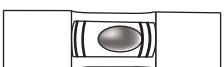
Otherwise, the leveling adjuster will come off from the printer and it may result in personal injury.

[4]

OK



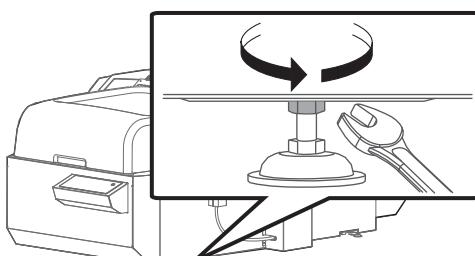
NG



After adjusting with leveling adjusters, check the levelness at two places.

- If the bubble on the level is centered at all two places, the printer is level. Move to Step 5.
- If the bubble on the level is not centered, go back to Step 3 to level the printer again.

[5]



When the adjustment is complete, use your hand to tighten each upper nut of leveling adjusters (x4) until it reaches to the printer.



If needed, use the double open end spanner to tighten them.



Important!

Check that all upper nuts of leveling adjusters (x4) reach to the printer. If not, precise levelness cannot be guaranteed.

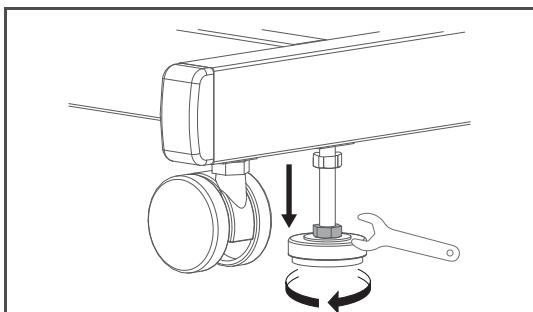
[6] Gently close the cover.

["Turn on the power" P. 23](#)

 Note

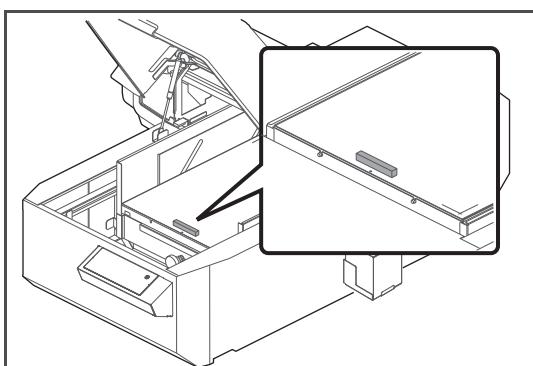
To level the printer with stand, use the single open end spanner supplied with the stand.

[1]



Using the single open end spanner, turn the lower nut of leveling adjuster (x4) as shown in figure left to slightly lift the caster of the stand away from the floor.

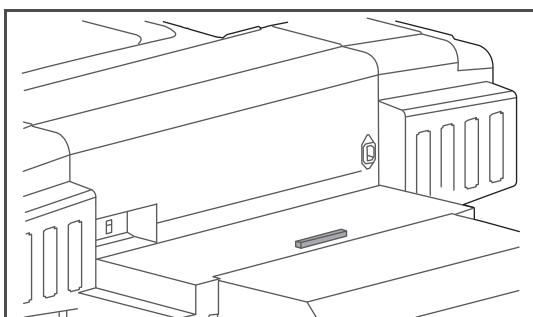
[2]



Using the level supplied with the printer, place it on the two places as shown in figure left to check each levelness.

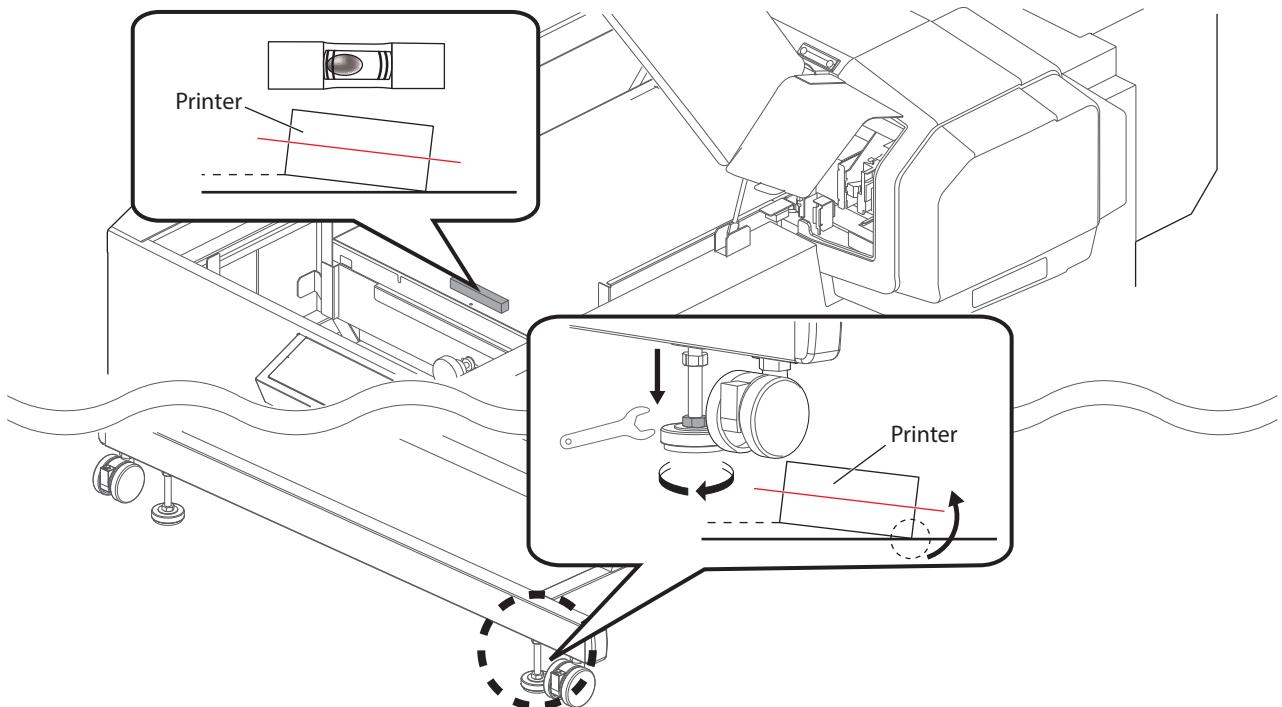
- One place on the table

- One place on the cover of printer rear as shown in figure left



[3] Adjust a leveling adjuster of the most inclined side.

- Use the single open end spanner supplied with the stand.
- In the following example, the printer slopes down left to right so that adjust the leveling adjuster on right front of the stand.



Note

First check the levelness at all two places and then level the printer.

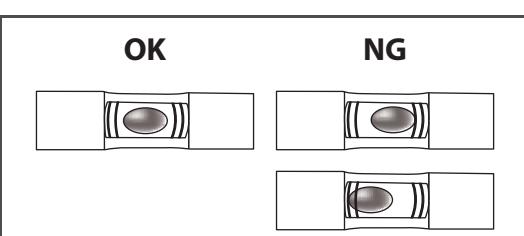


WARNING

When adjusting the levelness with leveling adjusters, make sure that a caster of the stand will not be lifted more than 15 mm away from the floor.

Otherwise, the adjuster will come off from the stand and it may result in personal injury.

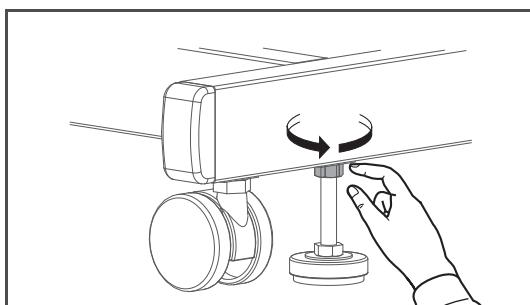
[4]



After adjusting with leveling adjusters, check the levelness at two places.

- If the bubble on the level is centered at all two places, the printer is level. Move to Step 5.
- If the bubble on the level is not centered, go back to Step 3 to level the printer again.

[5]



When the adjustment is complete, use your hand to tighten each upper nut of leveling adjusters (x4) until it reaches to the stand.



If needed, use the single open end spanner to tighten them.



Important!

Check that all upper nuts of leveling adjusters (x4) reach to the printer. If not, precise levelness cannot be guaranteed.

[6] Gently close the cover.

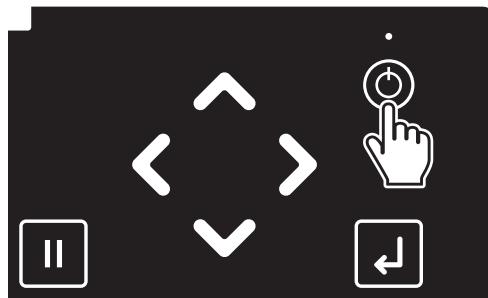
 "Turn on the power" P. 23

Power on the printer and verify the levelness of the printer.

Turn on the power

[1] Check that the front cover is closed.

[2]



Press the Power button on the front panel until the message "Welcome" appears on the panel.

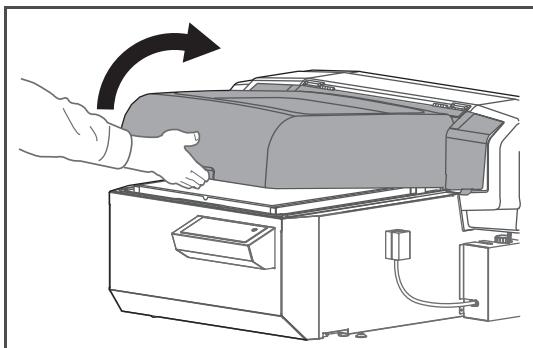
- The LED light on the front panel will turn on.
- The printer will start mechanical initialization.



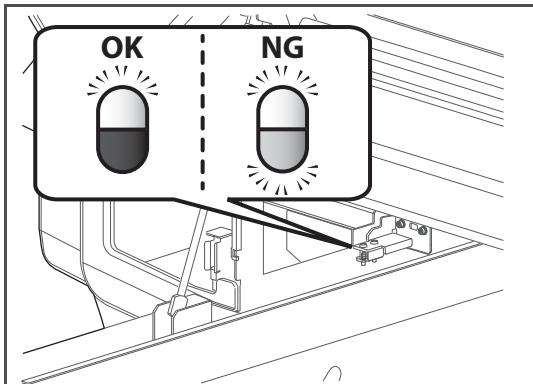
When the message "Welcome" appears on the panel, release the Power button.

Checking the levelness

[1] Hold the handle on the front cover to gently open it.



[2]



Check the LED indicator on the obstacle sensor.

- If the sensor lights up green, the printer is already leveled. Close the front cover and move to the next step.

["Printer Initial Setup" P. 25](#)

- If the sensor lights up orange, level the printer until the green light turns on.

["If the obstacle sensor lights up orange" P. 24](#)



When using this product, do not place any object in the sensing area of the obstacle detection sensor. This will cause false detection and the printer will not be able to print correctly.

For details, see the operation manual "Printing area".

If the obstacle sensor lights up orange

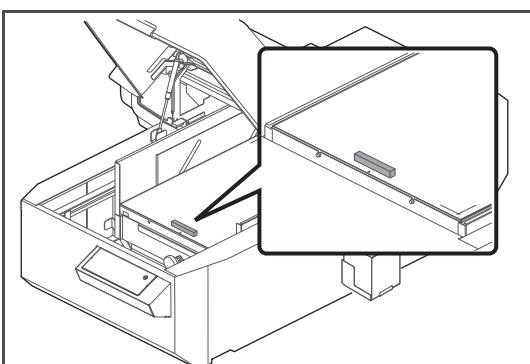


Note

With this condition, the printer cannot perform printer initialization, so an error message will appear on the front panel.

Follow the steps below to level the printer until the obstacle sensor lights up green.

[1]

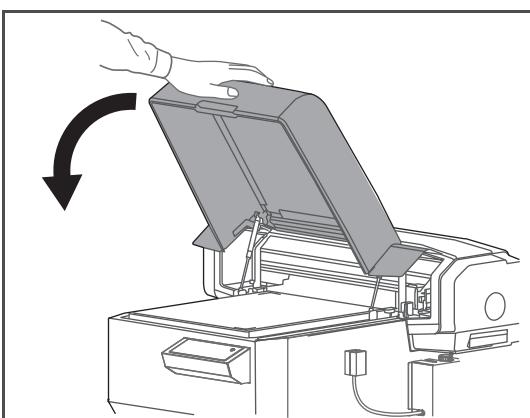


- As shown in figure left, place the level in the center of the table to check if the printer is level. To adjust the levelness of the printer, see the following section.

["Adjusting the levelness" P. 19](#)

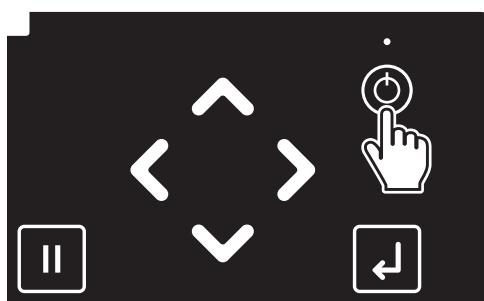
- Once the printer is level, check that the sensor lights up green and remove the level from the printer.

[2]



Hold the position shown on the left and gently close the cover.

[3]



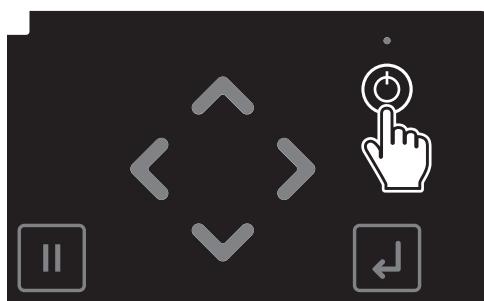
Press the Power button until the message "Power off" appears on the front panel.

- The keys on the operation panel light out.



When the message "Power off" appears on the panel, release the Power button.

[4]



Wait for a few seconds, then reboot the printer.

- The keys on the operation panel light up.



When the message "Welcome" appears and the LED lights on the panel turns on, release the button.

Printer Initial Setup

Here is how to get started with your printer.

Note

Use one of the following methods to run the initial setup.

- Follow the instructions in the Startup Wizard to set up the settings via computer.

 ["Initial Setup Flow via Startup Wizard" P. 25](#)

- Follow the instructions in this Guide to set up the settings from front panel.

 ["Initial Setup Flow via Front Panel" P. 27](#)

Initial Setup Flow via Startup Wizard

Install MUTOH Status Monitor to your computer

Install MUTOH Status Monitor (MSM).

Activate the printer

Enter the activation code.

Configure the initial settings

Enter the IP address and configure the initial setup on MSM.

Perform initial ink charging

Install ink cartridges (or ink bags) into the printer and perform ink charging.

Load a media for test printing.

Load a media for the nozzle check printing.

Run a nozzle check and perform cleaning

Run a nozzle check print and perform cleaning until all nozzles are clear.

Initial setup is now complete!

Powering on - Installing MSM

To run the initial setup through the Startup Wizard on MSM, install MSM on your computer. Then follow the Startup Wizard to run the initial setup.

Important!

- Make sure to install MSM downloaded from MUTOH Club.
- For MSM installation, see the following.

 ["Downloading and installing software" P. 47](#)

Initial Setup Flow via Front Panel

Configure the initial settings

Choose and configure the language, unit of length, temperature, and network setting from the front panel.

Activate the printer

Enter the activation code from the front panel.

Perform initial ink charging

Install ink cartridges (or ink bags) into the printer and perform ink charging.

Load a media for test printing.

Load a media for the nozzle check printing.

Run a nozzle check and perform cleaning

Run a nozzle check print and perform cleaning until all nozzles are clear.

Connect the printer to your computer

Enter the IP address from the touch panel.

Install MUTOH Status Monitor (MSM) and configure the initial setup on MSM.

Initial setup is now complete!

Front panel

The printer has a touch-screen panel located on the front right of the printer. The active keys are lit up on the panel for guidance.

- Tap: Lightly touch the key with your finger, then immediately release.
- Long-touch: Keep touching the key.

Power on the printer and configure the initial settings on the front panel.

Step 1 Powering on - Initial settings on the front panel

[1] Check that the front cover is closed.

[2]



Use  to select the language.

Tap [Enter].



[3]



Tap [Enter].



[4]

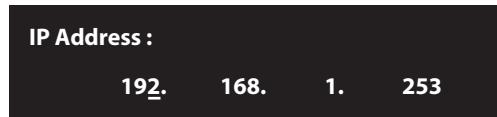


Select to show or hide the ink level indication on the front panel.

Use  or  to select the setting, and then tap [Enter].



[5]



Sets the IP address of the printer.

-  key: Increase the number.
-  key: Decrease the number.
-  key: Move the cursor to the previous digit.
-  key: Move the cursor to the next digit.

Tap [Enter] after entering each digit.



[6]



Sets the subnet mask of the printer.

-  key: Increase the number.
-  key: Decrease the number.
-  key: Move the cursor to the previous digit.
-  key: Move the cursor to the next digit.

Tap [Enter] after entering each digit.



[7]

Gateway:
192. 168. 1. 254

Sets the gateway.

-  key: Increase the number.
-  key: Decrease the number.
-  key: Move the cursor to the previous digit.
-  key: Move the cursor to the next digit.

Tap [Enter] after entering each digit.



[8]

Alert Buzzer:
Off

Selects how to turn off the printer beep sound when an error occurs.

- For unattended printing, you can select "Off" setting to avoid continuous buzzer beep.

Use  or  to select the setting, and then tap [Enter].



[9]

Initializing

The printer will start mechanical initialization.

Follow the steps below to perform activation.

Step 2 Activation

Activation required

When the message on the left appears, use one of the following methods to activate the printer.

-  ["Activation through the front panel" P. 29](#)
-  ["Activation through Internet" P. 30](#)

Activation through the front panel

[1]

Activation required

When the message on the left appears, tap [Enter].



Note

While "Activation required" is displayed, you can return the initial setting flow (e.g. IP Address etc.) by tapping .

[2]

0000-0000-0000-0000

Enter the 16-digit activation code.

-  key: Increase the number.
-  key: Decrease the number.
-  key: Move the cursor to the previous digit.
-  key: Move the cursor to the next digit.

Tap [Enter] after entering each digit.



To obtain the activation code, please contact your local MUTOH dealer to send it by email.

[3]

Activation Succeeded
Reboot Printer

When the message on the left appears, long press the Power button to power off the printer.

- When the message “Power Off” appears on the panel, release the Power button.

Wait for a few seconds and long press the Power button to reboot the printer.



Activation through Internet

Activation required

When the message on the left appears on the front panel, follow the instructions on the Printer Activation Guide to activate the printer.



To obtain the activation code and the Printer Activation Guide, access to MUTOH Club from the following URL and click “Register” to complete the user registration.
<https://club.mutoh.co.jp/mutoh/guser/>



While “Activation required” is displayed, you can return the initial setting flow (e.g. IP Address etc.) by tapping .

Before performing the initial ink charging, the cleaning wiper must be installed on the printer.

Step 3 Installing the cleaning wiper

[1]

Install Wiper

Then Tap Enter

The message on the left appears on the front panel.

- Tap [Enter].

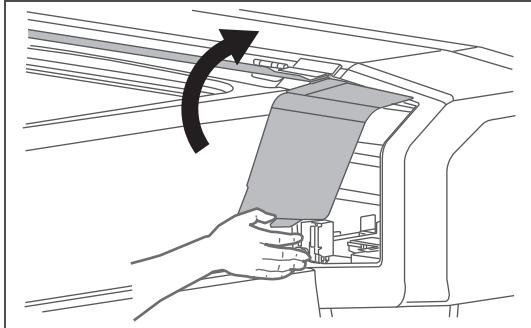


Installed Wiper?

No

The message on the left appears on the front panel.

[2]



Hold the tab on the maintenance cover as shown on the left to gently open the cover.

- Fully open the maintenance cover.

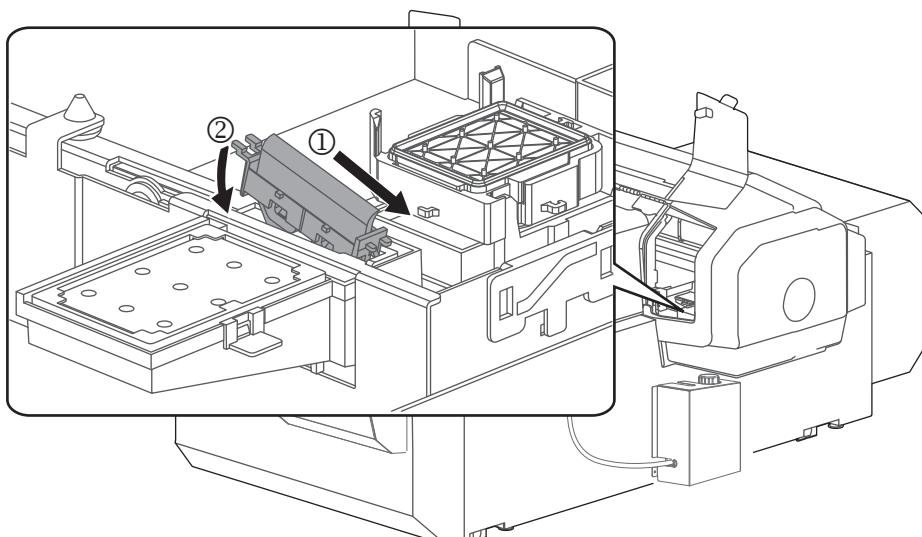
[3]

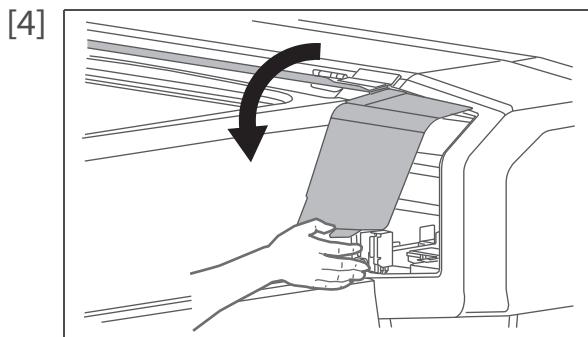
Follow the steps below to install cleaning wiper.

- Slide the front edge of the cleaning wiper into its slot.
- Push down the tab on the back edge of the wiper until it clicks into place.

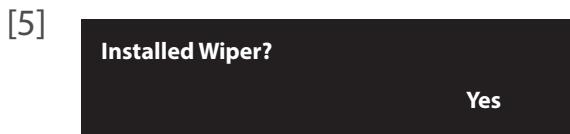


- Do NOT touch the cleaning wiper rubber with your bare hand.
If finger oil gets on the rubber, it will damage the print head.
- Wear protective gloves when installing the cleaning wiper.





Hold the tab on the maintenance cover as shown on the left to gently close the cover.



- Use or to choose "Installed Wiper? Yes".
- Tap [Enter].



Follow the steps below to perform initial cleaning and initial ink charging.

Step 4 Initial Cleaning - Initial Ink Charging

Items Required:

- Cleaning cartridge: x6
- Ink cartridge (or ink bag): x6
4-color setting: Magenta x2, Cyan x2, Black, Yellow
6-color setting: Black, Magenta, Cyan, Yellow, Varnish, White



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. Perform initial cleaning



When the message on the left appears, tap [Enter].



Note

While "Ink Charge Start -> Enter" is displayed, you can return the initial setting flow (e.g. IP Address etc.) by tapping .



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



Empty the Tank?

No

The message on the left appears on the front panel.

[3]

Empty the Tank?

Yes

- Use or to choose "Empty the Tank? Yes".
- Tap [Enter].

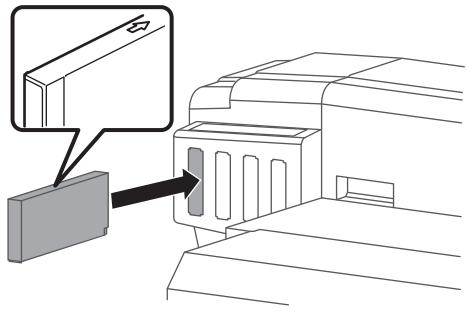
Insert Cleaning Cartridges

The message on the left appears on the front panel.



(When you use your printer for the first time or after you replace the waste ink tank) If no or small amount of waste fluid is collected in the waste ink tank, you may not be able to drain fluid out of the tank.

[4]



Insert cleaning cartridges into all the cartridge slots.

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

Washing Head

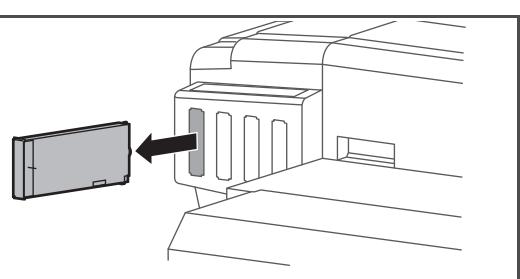
** %

The printer starts filling cleaner.

Remove Cartridge

When the cleaner filling is complete, the message on the left will appear.

[5]



Remove all cleaning cartridges.

Washing Head

** %

The printer starts discharging cleaner.

[6]

Empty Waste Ink Tank

then Tap Enter

The message on the left appears on the front panel.

- Drain waste ink from the printer.

["Emptying the waste ink tank" P. 34](#)



Note

(When you use your printer for the first time or after you replace the waste ink tank) If no or small amount of waste fluid is collected in the waste ink tank, you may not be able to drain fluid out of the tank.

2. Emptying the waste ink 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



Do not touch uncured UV ink with bare hands.



- Skin or eye contact with UV curable ink may cause skin inflammation or allergic reaction. When using this product, wear personal protective equipment (supplied gloves or solvent-resistant gloves, goggles or protective eyewear, protective mask, protective clothing) 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.

[1] Prepare a container to collect waste ink.

Important!

The capacity of the waste ink tank is 2,000 ml. Make sure to prepare a container with at least 2,000 ml capacity.

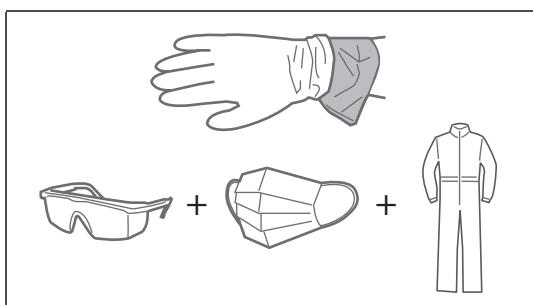


Note

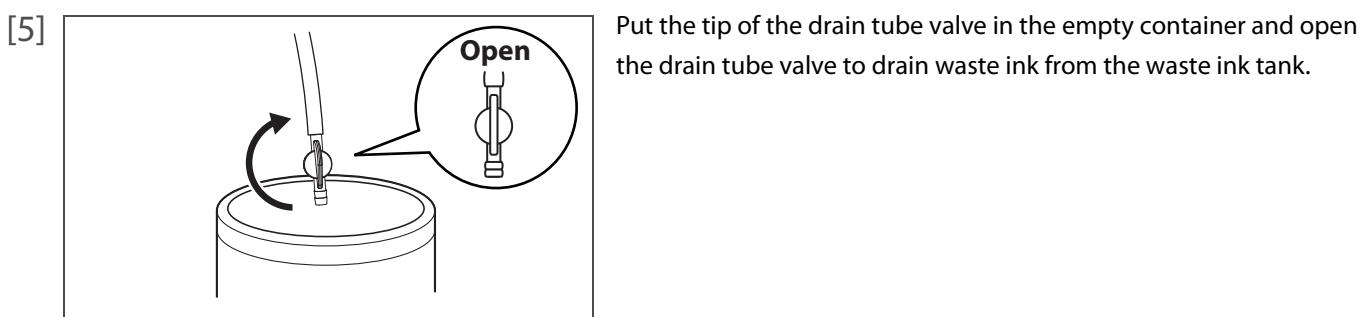
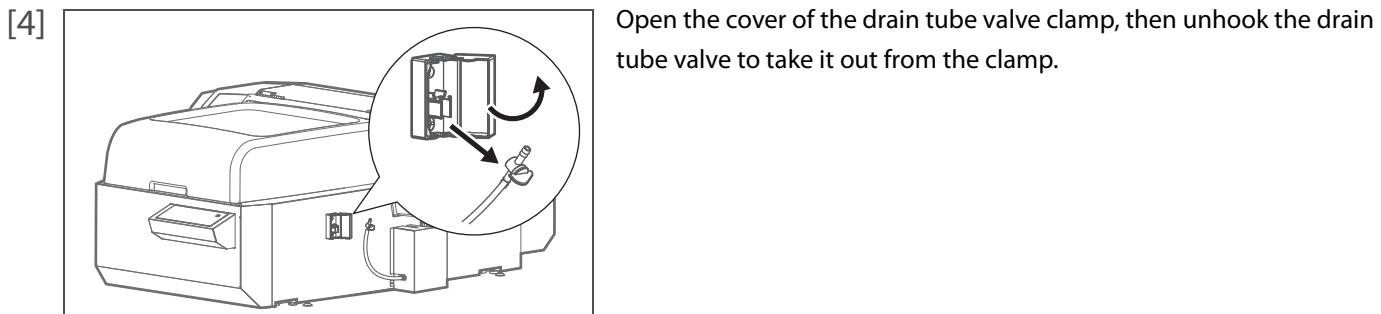
If no or small amount of waste fluid is collected in the waste ink tank, you may not be able to drain fluid out of the tank.

[2] Using a paper or cloth that you can discard, cover the floor or work table just under the waste ink tank.

[3]



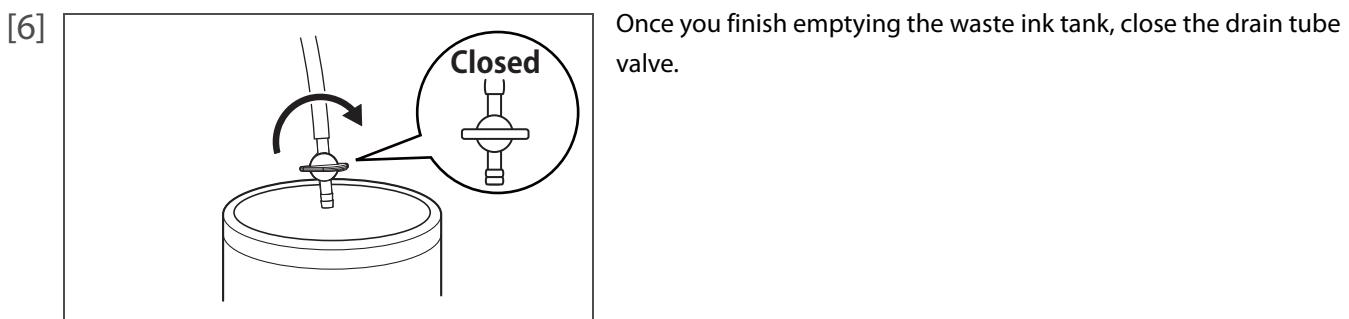
- Wear the rubber gloves over the polyethylene gloves.
- Wear personal protective equipment such as goggles, protective mask or clothing.



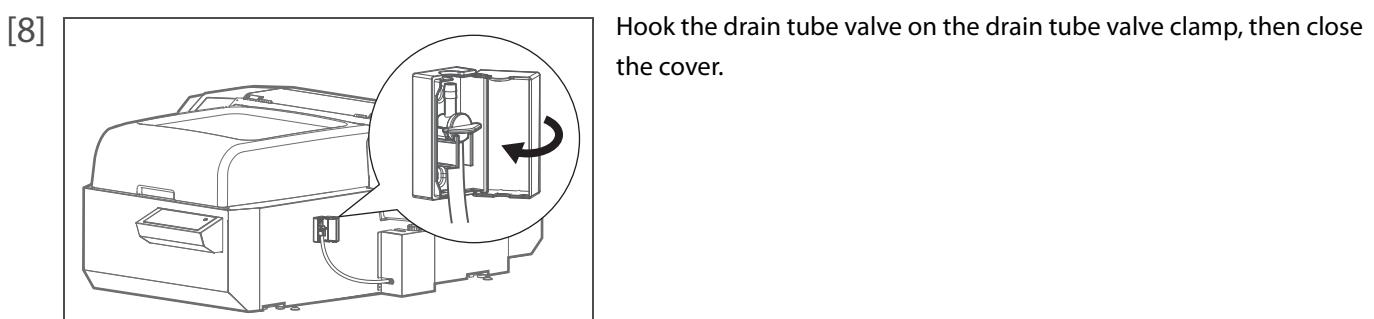
 **Important!**

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

Make sure to put the tip of the drain tube valve in the empty container to drain waste ink.



[7] Use a dry cloth to clean the tip of drain tube valve.



[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. Do not allow waste fluid to reach sewage or natural water systems.

3. Perform initial ink charging

[1]

Empty Waste Ink Tank
then Tap Enter

Tap [Enter].



If no or small amount of waste fluid is collected in the waste ink tank, you may not be able to drain fluid out of the tank.

[2]

Empty the Tank?

Yes

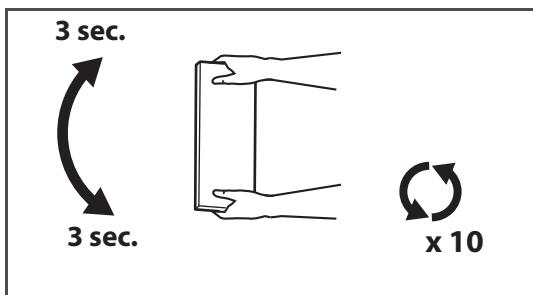
- Use or to choose "Empty the Tank? Yes".
- Tap [Enter].

Insert Ink Cartridges

The message on the left will appear.

Procedure for ink cartridge

[1]



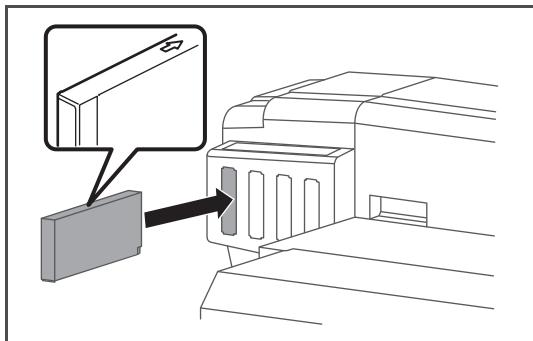
Prepare the new ink cartridge and follow the instructions below to invert it to mix the ink.

- Face the ink spout side upwards for 3 seconds.
- Invert it and count for 3 seconds.
- Repeat 10 times.



You do not have to agitate varnish ink before use.

[2]

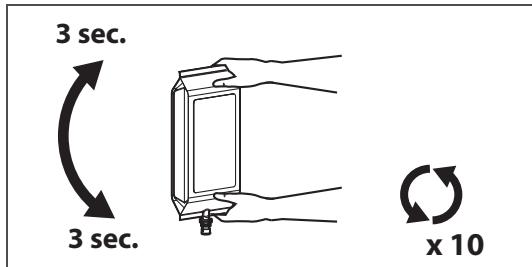


Insert ink cartridge to this printer.

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

Procedure for high-capacity ink pack adapter

[1]



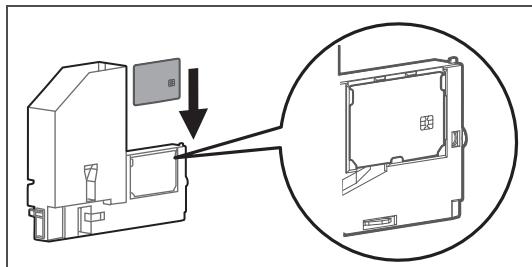
Make sure you agitate the ink bag after you prepare it.

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



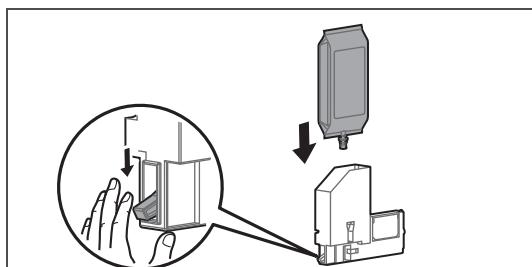
When replacing varnish ink, you do not have to agitate it.

[2]



Slide the smartchip card into the tabs of the adapter.

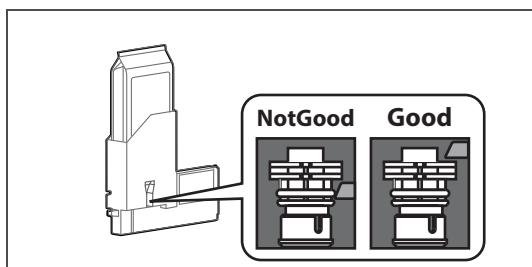
[3]



While lowering the lock lever of the high capacity ink pack adapter, insert an ink bag.

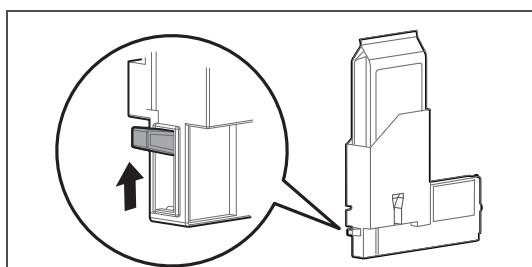
- Make sure to fully insert the ink bag into the high capacity ink pack adapter.

[4]

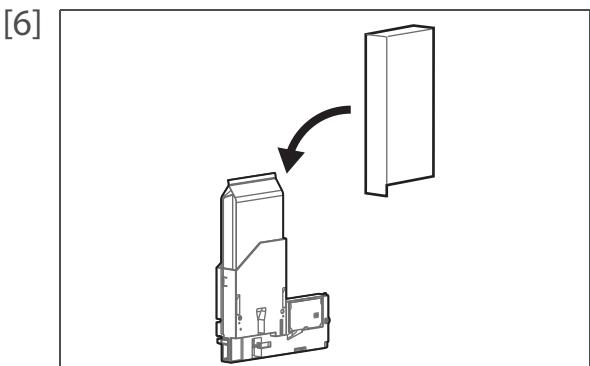


Confirm ink bag is fully seated by checking the lock mechanism is at the top of the ink delivery neck through the observation window, see proper placement in illustration left.

[5]



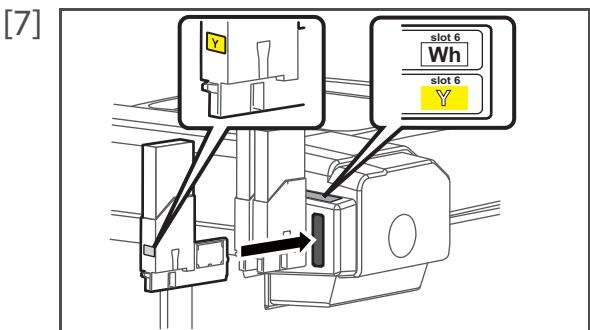
Make sure that the lock lever of the high capacity ink pack adapter is back to its original position.



Place the light-shielding cover over the ink bag.



Insert the light-shielding cover inside the high capacity ink pack adapter to only cover the ink bag.



Insert the high capacity ink pack adapters into Ink cartridge slots.

- Make sure to match the ink color with the color of the label above the cartridge slot.
- Insert all the way to the end.

Ink charging procedure after loading ink cartridges



The message on the left appears.

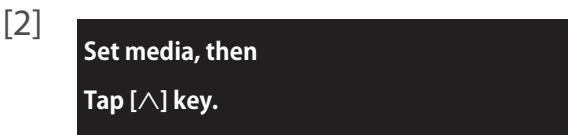
- The printer starts the initial ink charging.



DO NOT attempt the following actions during ink charging:



- Power off the printer.
- Disconnect the power cord.
- Open the front cover or maintenance cover.
- Move the printer.s



Once the ink has been filled, the message on the left will appear on the panel.

- The ink charging is complete.

Test printing

Follow the steps below to load a media into the printer.

Load a media on the printer

Items Required:

- Media (A4 size)

1. Placing the media on the table

[1]

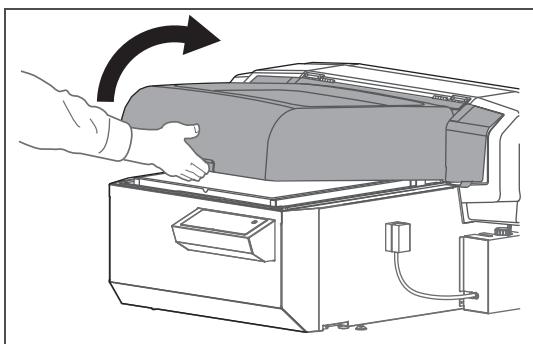
Set media, then
Tap [\wedge] key.

Check that the message on the left is displayed.

If not displayed, tap .



[2]



Hold the handle on the front cover to gently open it.

[3]

Set media, then
close cover. 

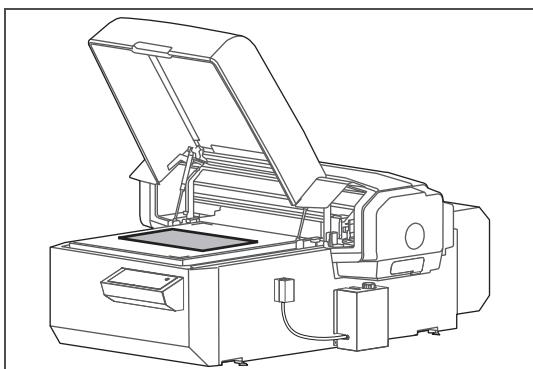
If the message on the left is displayed, you can use  or  to change the vacuum fan setting.

The vacuum fan will start operating when  or  is tapped.

If you change the setting, it will be reflected in the currently selected User Type.

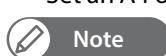


[4]



Place the media on the table.

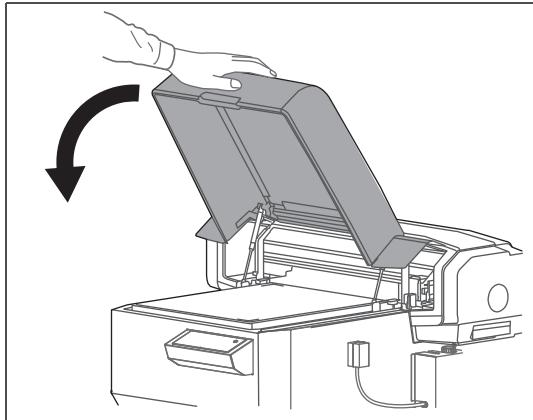
- Set an A4 or larger size media in landscape orientation on the table.



Note

- Align the right front corner of the media with the media registration groove on the table.

[5]



Hold the position shown on the left and gently close the cover.

 **Important!**

When using this product, do not place any object in the sensing area of the obstacle detection sensor. This will cause false detection and the printer will not be able to print correctly.

For details, see the operation manual "Printing area".

2. Specify the print start position

[1]

Set media, then

Tap [^] key.

Tap .



Please Wait

The message on the left will appear.

- The table will move inward, and a check will be run using the obstacle sensor, to make sure that the media will not contact with the head.

 **Note**

If the table is still positioned too high, the following will appear "Obstacle Detected Tap [V] key".

Tap  and readjust the table's height.

[2]

****:Detailed-Set:**

On

Tap [Enter].



 **Note**

- This menu only appears when the User Type are selected for the first time.
- If you select "On", you will have to input the media height, obstacle detection, media height, obstacle detect, media size and origin position after tapping  each time you set a media on the table.
- If you select "Off" via , "Ready to Print" will be displayed after tapping  each time you set a media on the table.
In that case, the currently selected User Type values will be used for the media height, obstacle detect, media size and origin position.
- Even if "Off" is selected, you can enter the media height, obstacle detect, media size and origin position from the "**: Media Setting1 Set Media" by tapping [Cancel] while the message "Print Ready" or "Set media then tap [^] key." appears on the panel.

[3]

** : Height :
Auto

Use the  or  to configure media height setting.

- “Auto”: Printer automatically detects height of media and lowers the table until the obstacle sensor detects no obstacle.
- “Manual”: User manually input height of media.

Tap [Enter].



- In “Auto” Setting

[4]

** : PG Offset :
(0.0-1.5) 0.0 mm

Use  or  to specify the offset value between the print head and media.

Tap [Enter].



The default head gap from the surface of media is set to 1.2 mm.

When you want to increase the head gap, use this menu to specify value in range of 0.0 mm to 1.5 mm.

- Example: If “PG Offset” is set to 0.5 mm, the head gap from the surface of media will be 1.7 mm (1.2 mm + 0.5 mm).

- In “Manual” Setting

[5]

** : Media Height :
(0.0-150.0) 0.0 mm

Use  or  to input the media height.
Tap [Enter].



Any value from 0.0 mm to 150.0 mm can be set for the height.

[6]



Use or to configure the printer response setting for obstacle detection.

- "Auto": The printer pause the printing.
It lowers the table until the sensor does not detect any obstacle, and then resumes the job.
- "Print Cancel": The printer cancels printing and prompts the obstacle error message.
- "Confirm": The printer pauses the printing and allows users to choose from two options; Print Continue or Print Cancel.

Tap [Enter].



If the sensor still detects the obstacle after the table moves down to its lowest position, the printer cancels printing and prompts the obstacle error message.

[7]



The message on the left will appear.

- While the table is moving to the print start position, the obstacle sensor will detect the media.

If no obstacle is detected, move to the step 8.

If any obstacle is detected, an obstacle error message will appear on the operation panel.

- Tap .

Tap and then enter the height of media.

"Placing the media on the table" P. 39

"Specify the print start position" P. 40

Use the or to input the media width.

Tap [Enter].



Any value from 30 mm to 483 mm can be set for the width.

[8]

Use the or to input the media width.

Tap [Enter].



Any value from 30 mm to 594 mm can be set for the length.

[9]

Use the or to input the media length.

Tap [Enter].



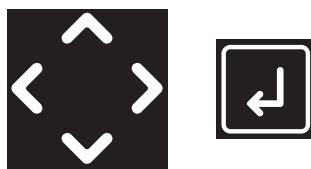
[10]

****:Origin:**

PF: 0.0

CR: 0.0

- Use  or  to enter the PF (longitudinal) value.
- Use  or  to enter the CR (lateral) value.
- Tap [Enter].



Note

any value between the following range can be entered:

PF value: 0.0 to 574.0

CR value: 0.0 to 463.0

**Moving To
Origin Position**

- The table will move inward.
- The carriage will move to the set position, with its LED pointer lit steady.

[11]

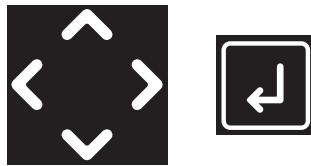
****:Origin:**

PF: 0.0

CR: 0.0

The LED pointer shows the position where the printer will start printing. To change the print start position,

- Use  or  to move the table forward/backward.
- Use  or  to move the LED pointer leftward/rightward.
- Tap [Enter].



Please Wait

The message on the left will appear.

Print Ready

Type 1

That completes setting of the media.

Run a nozzle check print. If nozzle missing is found, perform cleaning.

Nozzle Check and Cleaning

Important!

If you run a nozzle check print immediately after the initial ink charging, the following symptoms may occur:

- lines are faded.
- patterns are partially missing.

In such cases, follow the instructions on the operation manual "Menu 3: Maintenance" "1: Cleaning" to perform "Little Charge".

If it does not help to solve the problem, leave the printer for one hour or more, then perform cleaning or "Little Charge" again.

If the problem still persists, contact your local MUTOH dealer.

This printer offers the following two kinds of nozzle checks:

- Nozzle Check - Prints the nozzle check patterns.

 ["For the Nozzle Check pattern printing" P. 44](#)

- Nozzle Check B - Prints the nozzle check patterns on a colored background, to make it easy to see the white ink nozzle's condition.

 ["For the Nozzle Check B pattern printing" P. 45](#)

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. Run a nozzle check print

For the Nozzle Check pattern printing

[1] Load a roll media for Nozzle check.

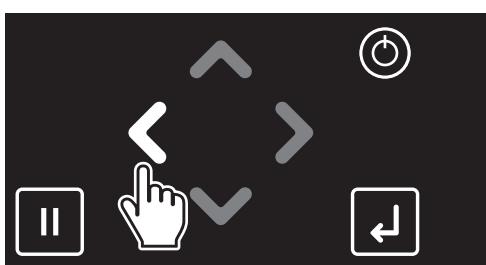
 ["Test printing" P. 39](#)

[2]



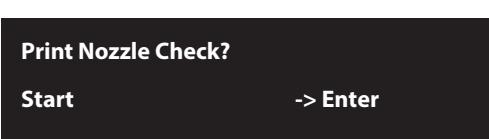
Check that the message on the left is displayed.

[3]



Tap .

[4]



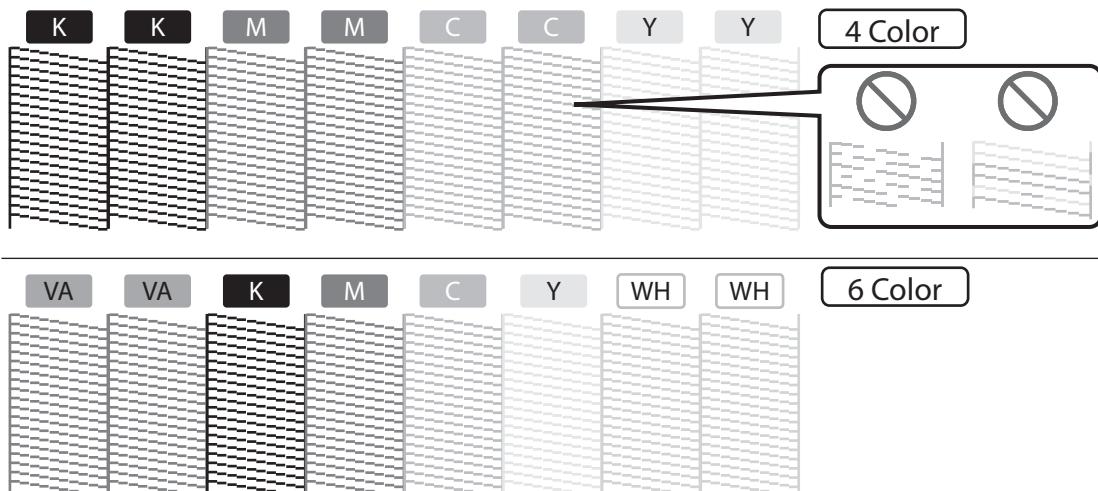
Tap [Enter].

- The printer will print the nozzle check pattern.



[5] Look at the print.

- If you find missing or thin lines on the print, go to ["Perform cleaning" P. 46](#).
- If all lines are clearly printed, you can start printing.



Printer information (Data and time printed, serial number, firmware version) is printed next to the pattern.

For the Nozzle Check B pattern printing

[1] Load a roll media for Nozzle check.

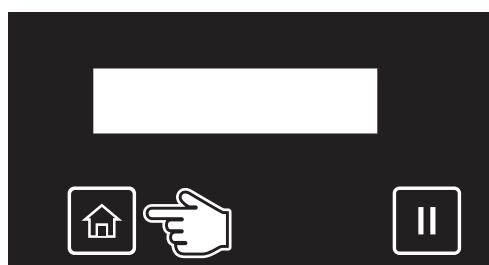
 ["Test printing" P. 39](#)

[2]



Check that the message on the left is displayed.

[3]



Tap [Home].

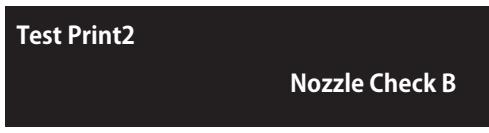
[4]



• Use  to choose "Menu 2: Test Print".

• Tap .

[5]



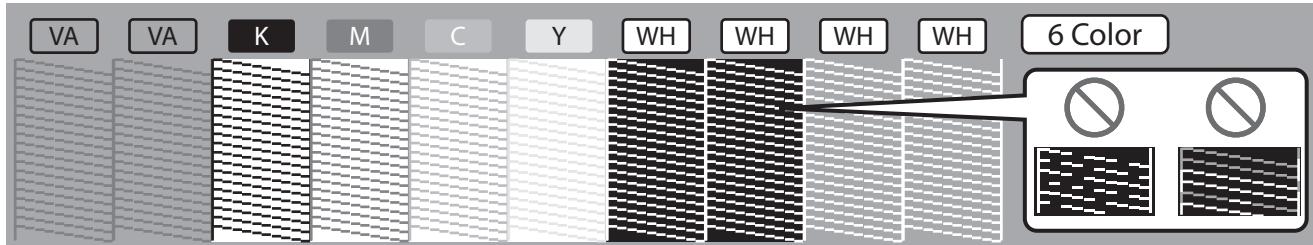
• Use  to choose "Test Print 2: Nozzle Check B".

• Tap [Enter].



[6] Look at the print.

- If you find missing or thin lines on the print, go to "Perform cleaning" P. 46.
- If all lines are clearly printed, you can start printing.



Note

- The figure above is an example of the Nozzle Check B pattern. In this example, non-colored background area is shown in gray.
- Printer information (Data and time printed, serial number, firmware version) is printed next to the pattern.

2. Perform cleaning

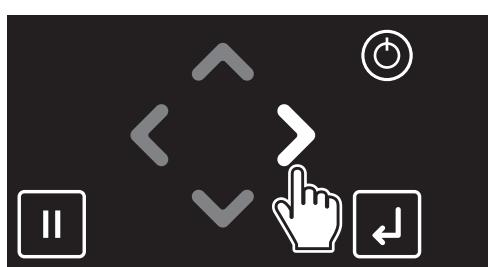
[1]

Print Ready

Type 1

Check that the message on the left is displayed.

[2]



Tap **>**.

[3]

Clean Print Head?

Short

Use **▲** or **▼** to choose the cleaning mode.

Tap [Enter].

- The printer will start cleaning.



[4]

Run a nozzle check print again.

"Run a nozzle check print" P. 44

- If the problem persists, repeat normal cleaning until all nozzles are clear.
For the details of cleaning, see the operation manual "Head Cleaning".

Downloading and installing software

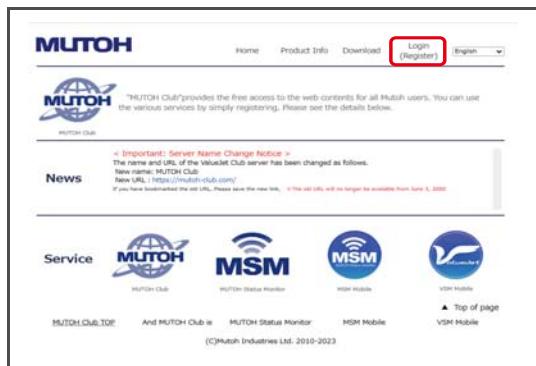
You will install the following software in the computer that connects to this machine.

Printer driver	Sends print data from the computer to the printer. It also allows to change the print settings.
<p> Note</p> <p>If you use the Windows printer driver, select the ink type and the ink configuration settings of your printer (see "Displaying the Printing Preferences screen of printer driver" of the Operation Manual).</p>	
MUTOH Status Monitor (MSM)	Allows you to view printer status, change printer's settings and run a test printing.
Layout and Print Tool 2	Simple layout and print application.
MUTOH Layer Editor	Enhance the layer printing capability of the printer driver and Layout and Print Tool 2.
Manuals (for printer and software)	To view the operation manual, see " Viewing Operation Manual " P. 51. The following documents are available in the PDF format.

When you perform initial setup, please use the all-in-one installer to download and install software. All-in-one installer can be downloaded from MUTOH Club.

[1] Access MUTOH Club (<https://mutoh-club.com/>).

[2] Click [Login].



[3] On the next screen, click [New Registration] and follow the on-screen instruction to complete user registration. Once completed, go to the download page.



The activation code displayed during registration is required the first time you start this machine. (It will also be sent to your registered email address)

[4] Download the all-in-one installer "MUTOH Printer Startup Assistant for XPJ-661UF".



In addition to above software, the following user manuals are packaged into the all-in-one installer. To view the operation manual, see "[Viewing Operation Manual](#)" P. 51

- XPJ-661UF Operation manual "Operations and Maintenance Methods"
- XPJ-661UF Startup Guide (This manual)
- XPJ-661UF Driver User's Guide
- MUTOH Status Monitor Operation manual
- Layout and Print Tool 2 Operation manual

- [5] Unzip the file downloaded to any location.
- [6] Open the folder and double click the setup.exe.
 - The all-in-one installer starts.
- [7] Click [Main Menu].
- [8] Select the startup wizard menu and click [Start Startup Wizard].
- [9] Follow the wizard instructions and complete the printer setup.

Sleep Mode

When you are not using the printer, always put it into the sleep mode. Do not disconnect the power cord. 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 front panel to perform daily maintenance.

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

- Automatic Head cleaning by timer set in the "Cleaning Timer" Menu.
- 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 if "Ink Low" is displayed.
- Agitate the ink.

Steps

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

- The Front cover and the maintenance cover are closed.
- No object including a jig is loaded on the table.
- The remaining ink level is sufficient.
- The waste ink tank has enough space.

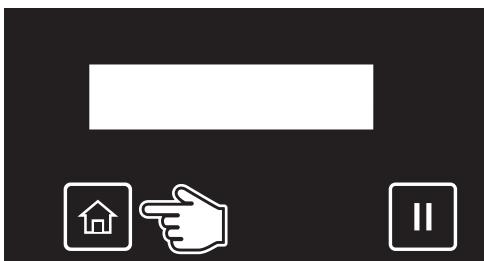
Important!

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

[3]



Tap [Home].

[4]

Menu6
Sleep Mode

Use  to choose "Menu 6: Sleep Mode".

Tap .

[5]

Sleep Mode1
Start

Tap .

[6]

Sleep Mode
Start → Enter

Tap [Enter].



[7]

Daily Maintenance
Start → Enter

Tap [Enter].



Please Wait

The table moves to the front side of the printer.

[8]

Unload Media
then Tap Enter

Remove the media and the jig on the table, and then tap [Enter].



Please Wait

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

[9]

Daily Maintenance
End → Enter

The message on the left will appear.

- You can start daily maintenance.

Daily Maintenance Sheet

- After the daily maintenance is complete, tap [Enter].



Please Wait

The message on the left will appear.

[10]

Cleaning * * %

The printer automatically performs the "Short" cleaning.

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



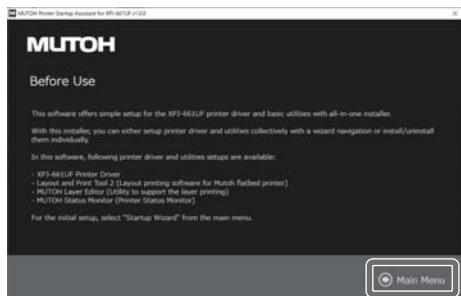
Note

- To set the timer for automatic head cleaning during sleep mode, see "SleepMode 2: SetTmer" of the Operation manual.
- 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.

Viewing Operation Manual

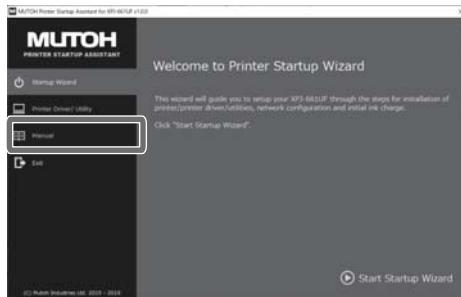
[1] Open the folder and double click the setup.exe.
• The all-in-one installer starts.

[2]



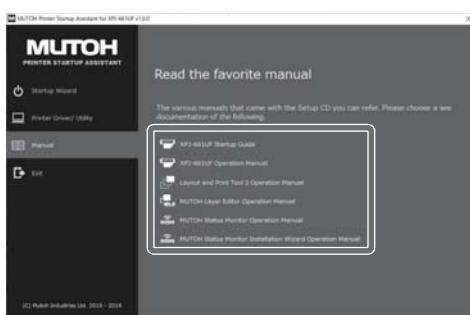
Click [Main Menu].

[3]



Click [Manual].

[4]



Click the manual you want to read.

Safety Precautions

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 1 laser product.

Laser specifications of this system (including the housing)

Wavelength: 655 nm, maximum output: 390mW or less, pulse duration: 3.0 μ s

Complies with IEC 60825-1 Edition 3.0 (2014-05-15). Complies with FDA performance standards for laser products except for deviations pursuant to Laser notice No.56 dated May 8, 2019.

CAUTION

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

Safety Notices

Signification of WARNING and CAUTION

	WARNING	Failure to follow the instruction may result in serious injury or death.
	CAUTION	Failure to follow the instruction may result in minor injury or damage to the product.

Meaning of symbols

Warning symbol	Meaning
	Indicates an action that must be avoided.
	Indicates an important instruction that must be followed.



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

Electrical Shock, Short, and Fire Hazard

WARNING



DO NOT install this product in a location with high humidity and dust.

This could result in an electrical shock or fire.



DO NOT use a damaged power cord.

This could result in an electrical shock or fire.



DO NOT connect or disconnect the power plug with wet hands.

This could result in an electrical shock.



DO NOT connect an earth wire to the following places:

- Gas pipe**

It has potential risks of fire and explosion.

- Earth wire of telephone cables or lighting rods**

Large current may flow when the lightning strikes.

- Water pipe or faucet**

It may not work properly if a plastic pipe is connected to the pipe.



DO NOT insert or drop metal or flammable objects into the printer through openings such as vent.

This could result in an electrical shock or fire.



If foreign objects or liquid accidentally entered the inside the product, do not use the printer.

It could result in an electrical shock or fire.

Immediately power off the printer and disconnect the power plug from the outlet. Then contact the MUTOH customer support.



DO NOT block the vent on the product with cloth or other materials.

If covered, the inside the product gets hot, resulting in fire.



Follow the precautions below when handling the power cord.

- Do not modify power cords.**
- Do not place heavy objects on power cords.**
- Do not bend, twist, or pull on power cords.**
- Do not route power cords near heating equipment.**



Follow the precautions below when handling the power plug.

- Do not allow dust or foreign objects to accumulate around the power plug.**
- Firmly insert the power plug into the wall outlet.**



Use the designated power cord only.

Failure to do so could result in an electrical shock or fire.



Plug the power cord into the wall outlet.

DO NOT use power strips. This could result in fire.



Plug the power cords into the wall outlet that has the earth connection and make sure to connect the earth.

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



Make sure to connect an earth wire to the earth connection that meets the following requirements:

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



Keep ink cartridges (or ink bags) from fire or objects with high temperature.

It can cause fire.



Be sure to use the designated power cords.

- Failure to do so could result in an electrical shock or fire. For the designated power cord, please contact your local MUTOH dealer.
- The power cord should have the protective ground terminal and make sure to plug in securely.
- Use the power cords which meet the safety standard, voltage and plug shape of the country to use this product.



Make sure to follow the instruction on this manual to plug the power cord into the wall outlet.

Failure to do so could result in fire.



Never open the covers securing with screws.

This could result in an electrical shock or damage to the printer.



Ensure that no moisture enters the product.

This could result in an electrical short circuit.

Installation Precautions

WARNING



When installing this product, avoid the location where

- the floor is not flat and level.**
- the product gets vibration from the neighboring devices.**

Failure to do so may result in injury from a fall.

CAUTION



DO NOT tilt or turn the product upside down.

The ink inside the printer may spill.

MUTOH cannot guarantee that the printer can run properly.



Minimum four people are required for unpacking or moving this product.



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



Keep this product level when moving.



Before taking out the printer from the packing box, remove the plastic sheet wrapped around the printer first.

Failure to do so may cause slip or damage to the product.

Product Handling

WARNING



DO NOT sit on or place heavy objects on the product.

Failure to do so may result in injury from a fall.

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 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.



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



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

These solvents may cause damage to the paint.

Product Handling (continued)



This product generates the UV light or potentially harmful radiation from the UV-LED lamp.

- **Avoid direct skin or eye exposure to UV light.**
- **Do not stare into the UV-LED lamp while it is on. This will cause damage to your eyes.**



When handling the front cover or the maintenance cover, always use the following safety precautions:

- **Avoid strong airflow from a fan or an air conditioner to install this printer.**
If not, it may accidentally close the cover.
- **When opening the cover, make sure the cover does not contact with anyone or anything.**



DO NOT attempt the following actions during ink charging:

- **Power off the printer.**
- **Disconnect the power cord.**
- **Open the front cover or the maintenance cover.**
- **Move the printer.**



When loading a new media, make sure to place it on an appropriate position and input correct media information.

If wrong information is entered, the printer can print on an unintended position of the table. Once UV ink stains on the table, it will be cured by UV lamp and will not be removed from the table.



Keep the work area well-ventilated.

Failure to do so may cause nausea from ink odor or fire hazard.

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 (or ink bag).**
If disassembled, ink may come into contact with your eyes or skin, causing irritation or allergic reaction.
- **Before operation, make sure to read the Safety Data Sheet (SDS).**

Do not touch uncured UV ink with your bare hands.

- **Wear protective equipment (gloves, goggles or eye protection, protective mask, protective clothing) when handling ink.**
- **Especially during operations where ink might contact you (e.g. handling ink or waste fluid, cleaning of print head/cap/ wiper), always wear protective equipment (such as gloves and goggles) to avoid contact with skin or eyes.**
- **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 vomiting. Seek medical advice/attention.**

DO NOT drop or hit an ink cartridge (or ink bag). Ink may leak from the container.



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

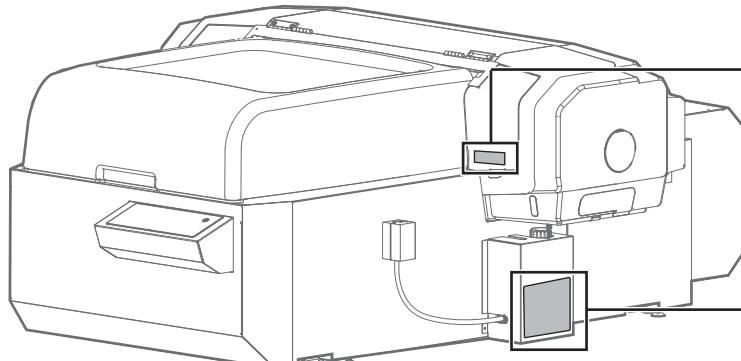


To prevent ink settling and coagulation, you must agitate the ink in the following timing:

- **Before installing new ink**
- **When any of the messages below appears**

Warning Labels

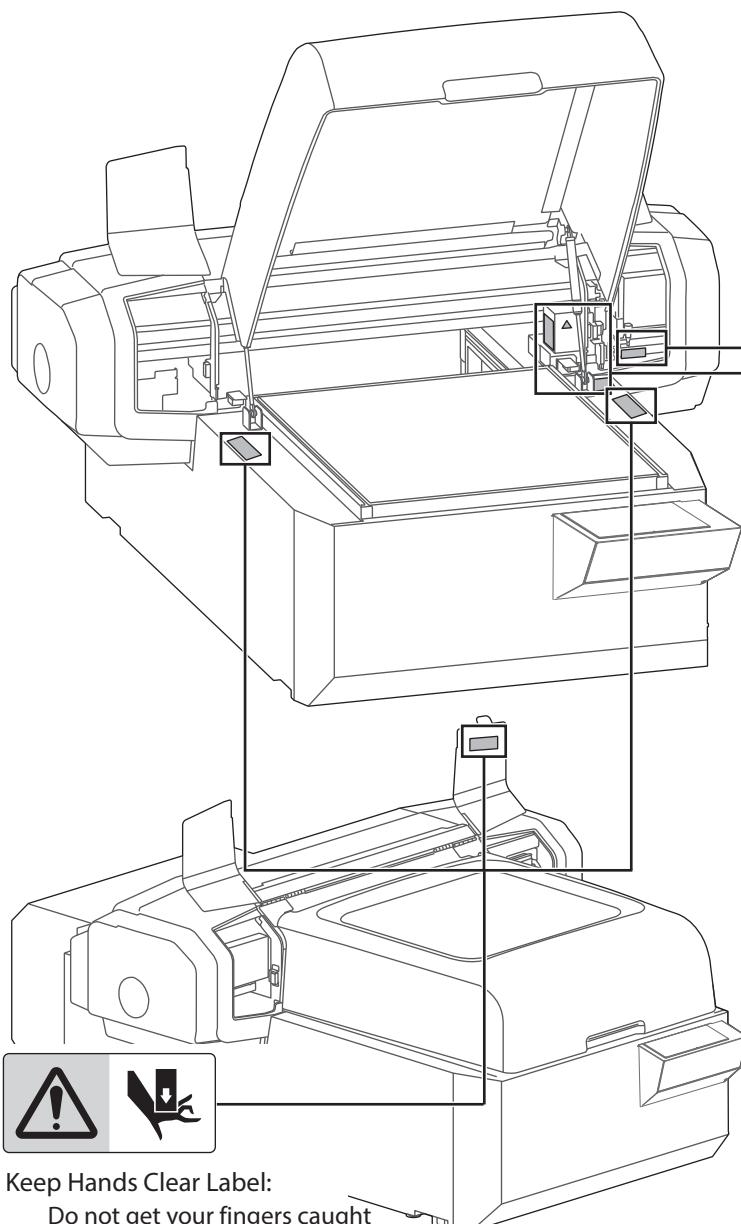
Warning labels are applied onto the product where special attention is required. Read the messages on the labels and always follows the instructions. If the labels are peeled off or become dirty, contact your local MUTOH dealer to get new one.



Laser Caution Label for Access Panel



Waste Ink Caution Label



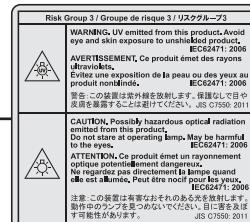
Protective Equipment Label



Hot Surface Caution Label:

The surface may get hot and may cause burn injury.

Do not touch with your hand for at least 30 minutes after turning off the printer.

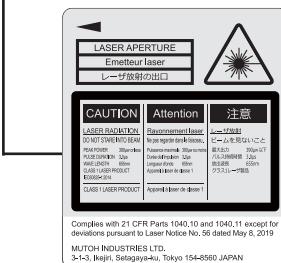


UV Caution Label:

CAUTION ULTRAVIOLET LIGHT:

Do not look directly at light.

Avoid prolonged exposure to skin.

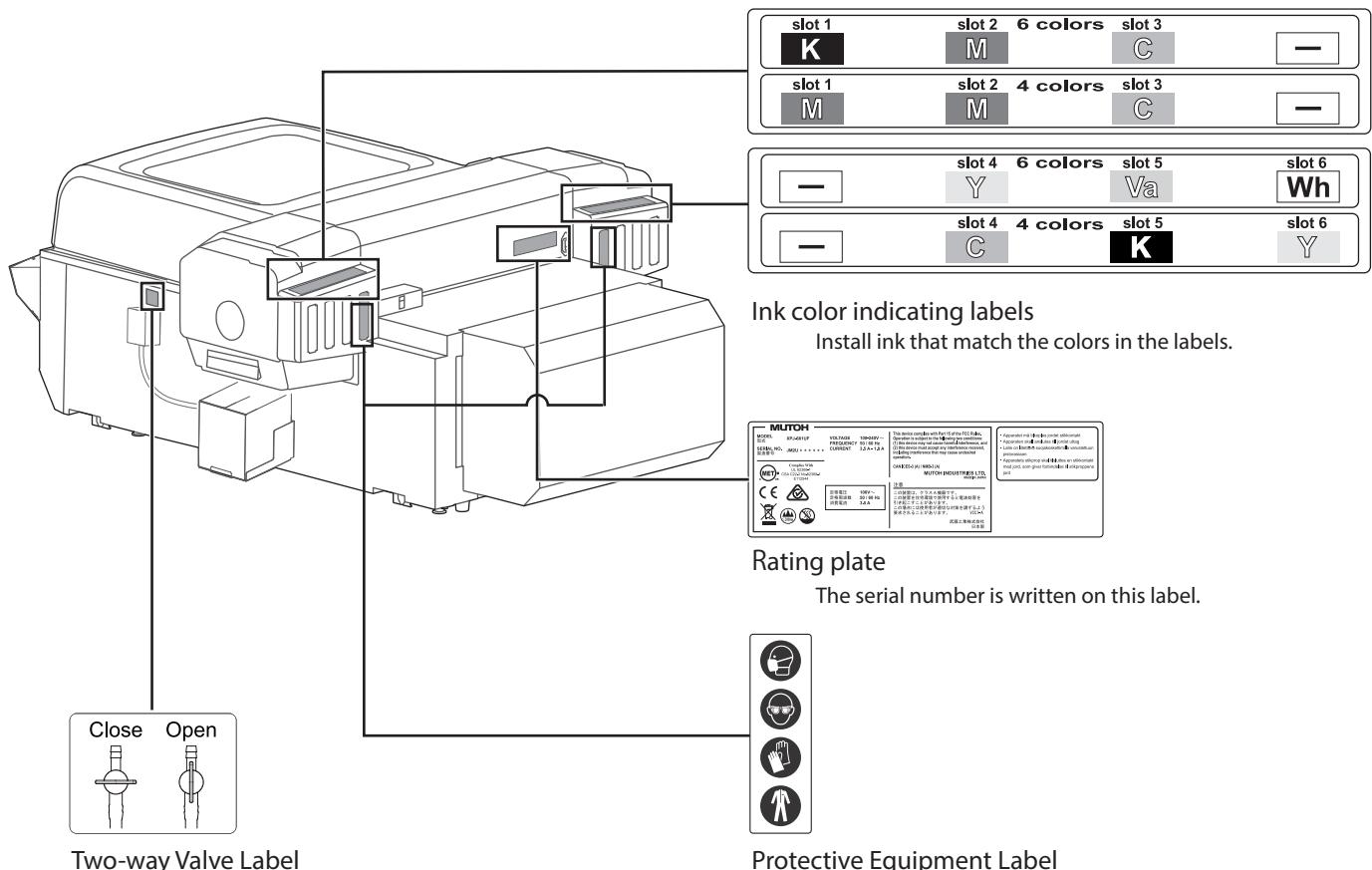


Keep Hands Clear Label:

Do not get your fingers caught when closing the cover.

Instruction Labels

The following instructions labels are applied onto the printer to ensure the proper use.



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 ནැවුවා තැබුණා / ආ තුළා තැවා / එහි නැත්තේ නැත්තා එහි නැවුවා / ..》
蒙古文	“Түүхэндээ шаалтадаа 2000м-ийн талбайт түүхэндээ шаалтадаа”
壮文	Dan hab yungh youq gij digih haijbaz 2000m doxroengz haenx ancienz sawjyungh.
维文	دېڭىز يۈزىدىن 2000 مېتىر تۆۋەن رايونلار دىلا بىخەتەر ئىشلەتكىلى بولىدۇ



МИТОН

Czyszczenie, Konserwacja, Wymiana części eksploatacyjnych. Wymagania ogólne.

Niezależnie od informacji i zaleceń zawartych w powyższej instrukcji należy czyścić dane części (jeśli urządzenie je posiada) nie rzadziej, niż w podanej poniżej częstotliwości.

Ponadto należy codziennie przeprowadzać kontrolę zabrudzenia poszczególnych części i przeprowadzać ich czyszczenie jeśli ulegną zabrudzeniu.

Czyszczenie należy wykonywać specjalnymi płynami.

Niezależnie od zaleceń powyższej instrukcji dotyczących częstotliwości czyszczenia lub wymiany poszczególnych elementów urządzenia, należy pamiętać, że druk na różnych podłożach oraz w różnych warunkach pracy może powodować potrzebę częstszego przeprowadzania czyszczenia, konserwacji lub wymiany części eksploatacyjnych. Należy zwracać szczególną uwagę na ogólny stan panujący w pomieszczeniu (temperatura i wilgotność) oraz jakość materiałów używanych w pracy z urządzeniem.

Nazwa części*	Częstotliwość czyszczenia	Uwagi
Główica	Codziennie, po każdym dniu pracy	bez dotykania lustra głowicy podczas czyszczenia, specjalnym narzędziem
Wycieraczka	Codziennie, po każdym dniu pracy	specjalnym narzędziem
Uszczelka gumowa i kołnierz (ramka) wokół głowicy	Codziennie, po każdym dniu pracy	specjalnym narzędziem
Materiał, wkład absorpcyjny (gąbka, ciasteczko) - w stacji serwisowej (spluwaczce, płuczce)	Codziennie, po każdym dniu pracy	
Opróżnić zbiornik na zużyty atrament	Raz w tygodniu	lub częściej - opróżnić gdy jest pełny
Nóż odcinający (odcinacz)-	Raz w tygodniu	sprawdzić stan techniczny
Rolki dociskowe	Raz w tygodniu	czyszczenie środkiem bez silikonu
Rurki odprowadzające atrament	Raz w tygodniu	wizualnie i manualnie czy nie są zatkane
Urządzenie wewnętrz wraz z obudową	Raz w tygodniu	
Encoder	Raz w miesiącu	TYLKO ALKOHOL IZOPROPYLOWY LUB IPA, NA WYŁĄCZONYM PLOTERZE.
Czujniki optyczne	Raz w miesiącu	NA SUCHO LUB ZA POMOCĄ IPA. NA WYŁĄCZONYM PLOTERZE.
Lampa UV	Raz w miesiącu	specjalnym narzędziem
Pas transmisyjny	Raz w miesiącu	specjalnym płynem

Niektóre części wymagają okresowej wymiany.

Niezależnie od informacji i zaleceń zawartych w powyższej instrukcji należy wymieniać części eksploatacyjne (jeśli urządzenie je posiada) nie rzadziej niż w podanej poniżej częstotliwości.

Uwaga. Wymianę niektórych części winien przeprowadzić autoryzowany serwis (sprawdź kartę gwarancyjną lub instrukcję obsługi).

Nazwa części*	Częstotliwość wymiany	Wymienia
Materiał, wkład absorpcyjny (gąbka) ciasteczko w stacji serwisowej (spluwaczce)	Co miesiąc	Użytkownik
Wycieraczka	Co 3 miesiące	Użytkownik lub Autoryzowany serwis gdy wycieraczka jest niewymienna.
Filtry (dampery)	Co 6 miesięcy - wcześniej w razie potrzeby	Autoryzowany serwis
Stacja serwisowa	Co 6 miesięcy – wcześniej w razie potrzeby	Autoryzowany serwis
Nóż odcinający (odcinacz)	Co 1 rok lub po stępieniu	Użytkownik
Pompy	Co 1 rok lub po zużyciu	Autoryzowany serwis
Lampa UV	Co 1 do 2 lat lub po zakończeniu czasu pracy	Autoryzowany serwis
Główica	Co 1 do 2 lat lub po zakończeniu czasu pracy	Autoryzowany serwis

Każde urządzenie winno wykonywać nie mniej niż 10m² wydruków dziennie. Jeśli urządzenie nie jest komercyjnie używane, należy zalać głowicę, stację serwisową, rurki oraz filtry płynem czyszczącym.

Przeglądy urządzenia należy wykonywać w autoryzowanym serwisie nie rzadziej niż co 6 miesięcy.

*wyłącznie w przypadku, gdy występuje w urządzeniu

Uwaga:

Przy wysokich prędkościach druku lub przy niektórych plikach może występować paskowanie.