MUTOH

XPJ-461UF
Startup Guide
Unpacking and Initial Setup

- Unauthorized copying or duplication of the whole or part of the contents of this Guide is prohibited.

- Every care has been taken in writing the contents of this Guide, but please contact MUTOH or the dealer you purchased the product from if you find any unclear, erroneous or otherwise unsatisfactory content in the Guide.

- Please be aware that MUTOH will not be liable in any way for failures or accidents that result from handling or operating the printer according to any procedures other than those set forth in this Guide.

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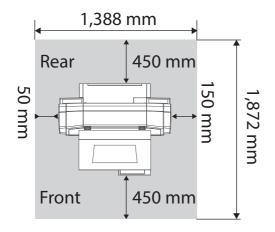
Site Preparation

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

1,388 mm

Rear 450 mm

50 mm

150 mm

1,872 mm

Front 450 mm

Printer Size

Width × Depth	: 1,188 mm × 972 mm
Height	: 597 mm

Recommended Work Table Size

Width × Depth	: 850 mm × 900 mm minimum
Load capacity	: 110kg minimum

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	• **Choose the work table and floor that can safely support the weight of this product.**
	The total weight of printer is 95 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

• Printer:

Input voltage: AC 100V to 240V±10%

Input frequency: 50 / 60Hz ±1Hz

Input load current: 4 A (AC 100V - 120V), 2 A (AC 200V - 240V)

Environmental Requirements

• Operating condition:

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

• Printing Condition:

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

• Change rate

Temperature: No more than 2 ℃ per 1 hour
Humidity: No more than 5% per 1 hour

• Printer Storage Condition:

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

With ink filled: Up to 30 days[1][2] (Temperature: 5℃ to 30℃, 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 ink in the cartridge once a week as instructed.

- Ink Storage Condition:

Black / Cyan / Magenta / Yellow / White / Varnish (220 ml each)

   - UH21 ink:
   Temperature: -10℃ to 50℃ (The storage period between 40 ℃ and 50 ℃ should be up to one month)
   Humidity: 5% to 85%, non condensing

   - US11 ink:
   Temperature: 5℃ to 35℃
   Humidity: non condensing

Cleaning bag (220 ml)(both UH21 and US11 inks)

   Temperature: -10℃ to 50℃ (The storage period between 40 ℃ and 50 ℃ should be up to one month)
   Humidity: 5% to 85%, non condensing

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**   ☐**Ink cartridge: 6**   ☐**Dedicated maintenance cleaner (500 ml): 1**

☐**Low tack tape: 1**   ☐**Paper/ Cloth***

*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.

⚠ 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 10 (32bit/64bit), Windows 8/8.1 (32bit/64bit), Windows 7 (32bit/64bit)**

- **CPU: Intel (R) Core (TM) i5 / i7**

- **Memory: 8GB minimum**

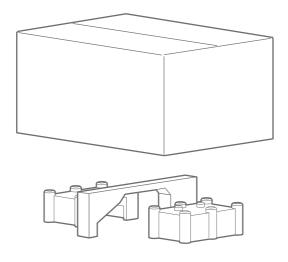- **Network: 100BASE-TX Ethernet port and 100BASE-TX Ethernet cable (Category 5 or later)**

✏ **Note**

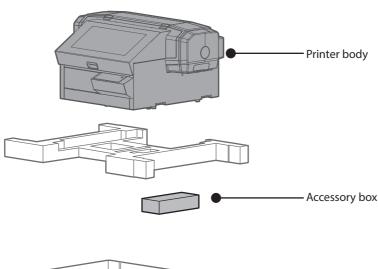Items marked with an asterisk (*) above are accessories or supplies.

Unpack the product.

Unpacking the printer

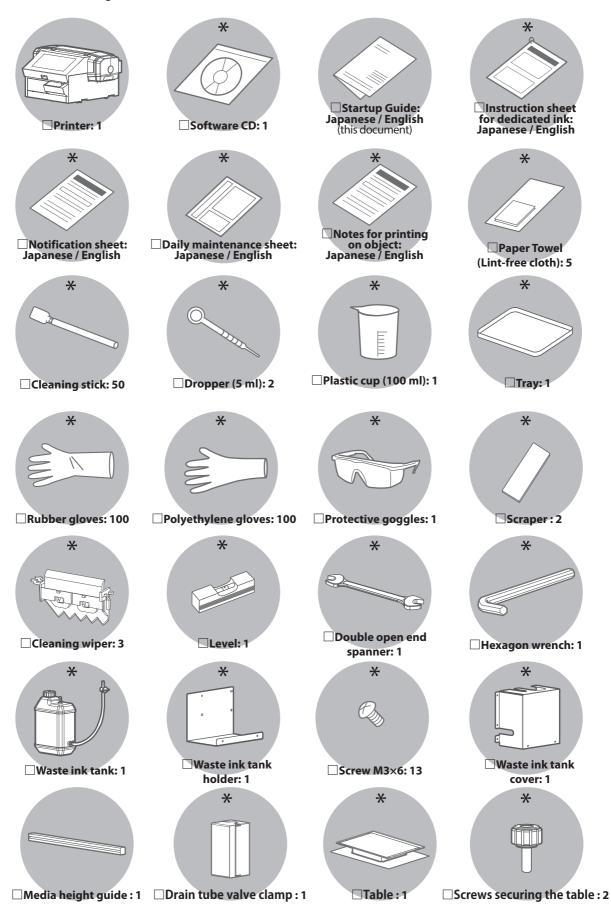| ⚠ CAUTION	• **Minimum four people are required for unpacking and moving this product.** • **When taking out the product from the packing box, remove the plastic sheet wrapped around the product, then take out the product. This will prevent slip and damage to the product.** • **Keep the product level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

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

Printer body

Accessory box

⚠ CAUTION	**When lifting this product, always grab the handles under the printer.** Holding rear side or sides of the printer or front panel can result in damage to the printer.

[2]   Check if the followings are included.

☐Printer: 1	☐Software CD: 1	☐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 M3×6: 13	☐Waste ink tank cover: 1
☐Media height guide : 1	☐Drain tube valve clamp : 1	☐Table : 1	☐Screws securing the table : 2

Note

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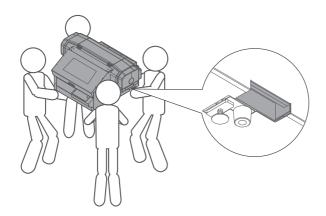
Installing

Follow the steps below to install the printer.

Moving to the installation site
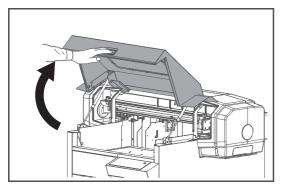
⚠ CAUTION	• **Minimum four people are required for unpacking and moving this product.**
	• **When taking out the product from the packing box, remove the plastic sheet wrapped around the product, then take out the product. This will prevent slip and damage to the product.**
	• **Keep the product level 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.
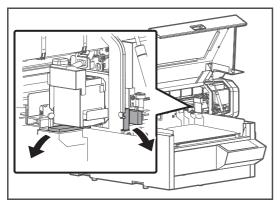
[2] Remove the packing tapes from the covers on the printer.

[3] Hold the handle on the front cover to gently open it.
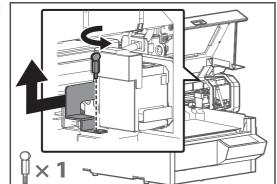
[4] Remove the packing materials shown on the left.
  • Remove the packing material from the UV-LED lamp.
  • Remove the packing material from the carriage.

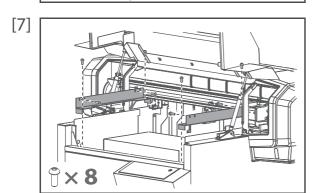[5] Remove the screw, and remove the head fixing plate.
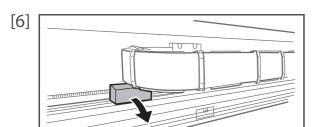
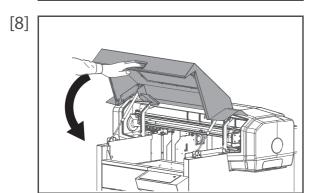 • Slide the head fixing plate leftward to take it out.

Important!

Do not scratch any of the components around the UV-LED lamp with the fixing plate. This could affect print quality.

× 1

[6] Remove the protective material under the FFC cable

[7] Use the hexagon wrench to remove eight screws, then remove two table fixing plates.

× 8

[8] Hold the position shown on the left and gently close the cover.

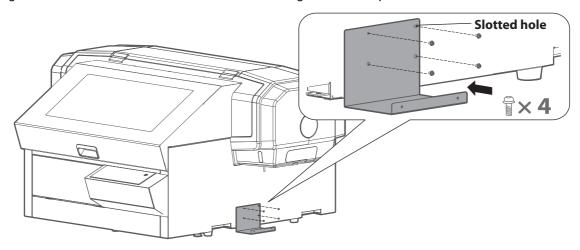| ⚠ CAUTION	**Hold the handle of the front cover and gently open or close the cover.** If excessive force is applied to the cover, it will shorten its life or will damage the printer.

Important!

Keep the UV-LED lamp fixing plate, head fixing plate, table fixing plates and screws for next use.
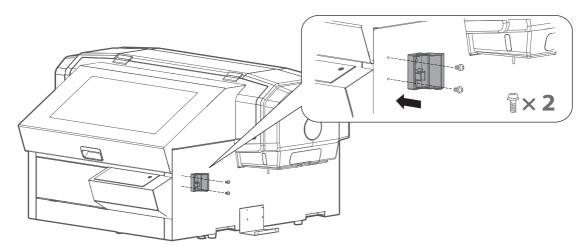
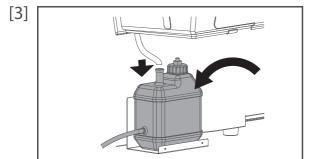**Attach the waste ink tank to the printer.**

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.

Slotted hole

🔩 × **4**

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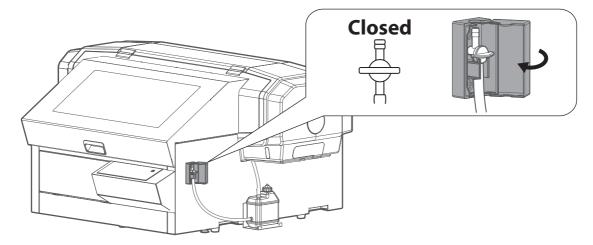

🔩 × **2**

[3]

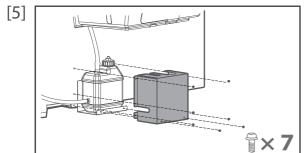Place the waste ink tank on the waste ink tank holder.
- Place the tank on the waste ink tank holder.
- Insert the waste ink drain tube into the tank.

📣 **Important!**

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.
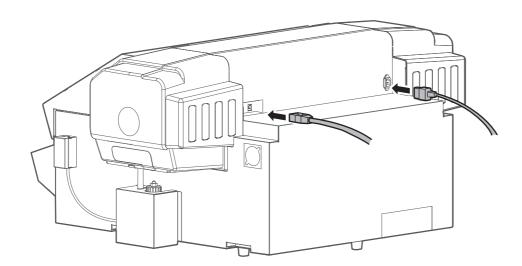
Closed

[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.
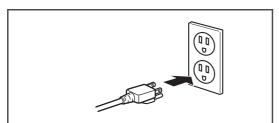
× **7**

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 cord and LAN cable to the printer.

[3]

Plug the power cord into the wall outlet.
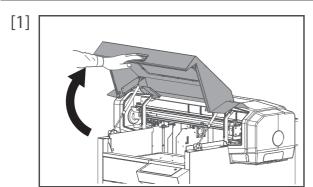
Adjusting left-to-right level of the printer

Follow these steps to adjust the left-to-right level of the printer.

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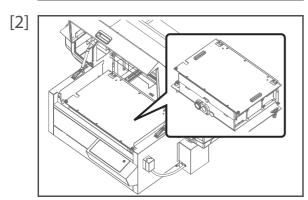
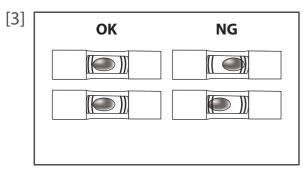| ⚠ CAUTION	• **Do not open or close the cover while you are off balance.** You may pinch your finger or get injured. • **Hold the handle of the front cover and gently open or close the cover.** If excessive force is applied to the cover, it will shorten its life or will damage to the printer.

[1]

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

[2]

Use the supplied levels to check if the printer is level left to right. Position it in the center of following two places to check for levelness:

• Both left and right side ends of the base table.

[3]

OK	**NG**
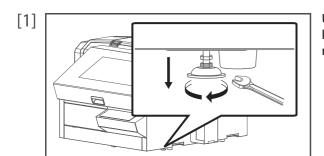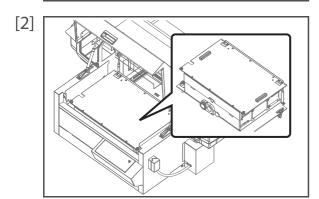
Check if the position of the air bubbles in the two levels are the same. (The bubble does not have to be centered.)

• If the bubbles in both levels are not in the same position as in "NG" example, adjust the left-to-right level.
  ☞ **"Adjusting left-to-right level"** P. 15

• If the bubbles are in the same position as in "OK" example, the left-to-right level adjustment is not needed.
  ☞ **"Turn on the power"** P. 16

Adjusting left-to-right level

[1]

Using the double open end spanner, turn the lower nut of all two leveling adjusters as shown in figure left to slightly lift the printer rubber feet away from the table.

[2]

Use the supplied levels to check if the printer is level left to right. Position it in the center of following two places to check for levelness:

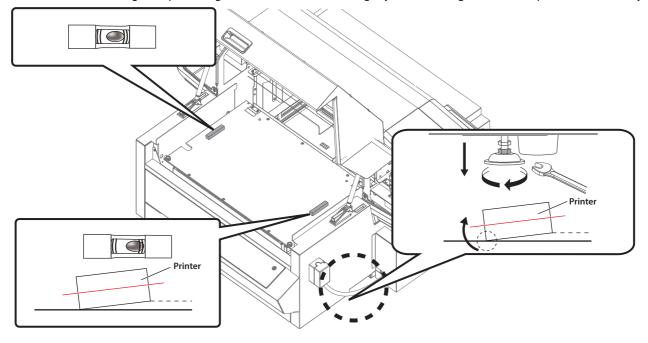• Both left and right side ends of the base table.

[3] Adjust the leveling adjuster on the side where it is tilting the most.
   • Use the double open end spanner supplied with the printer.
   • In the following example, the right side is too low. The leveling adjuster on the right front of the printer should be adjusted.

Printer

Printer

✎ **Note**

First check the levelness at all two places and then level the printer.
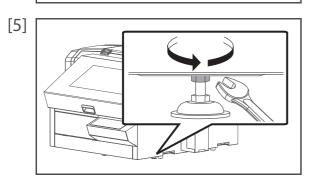
⚠ **WARNING**	**When leveling printer, make sure that a printer rubber feet will not be lifted more than 15 mm away from the installation surface.** The leveling adjuster will come off from the printer and it may result in personal injury.

[4]

OK	NG

- If the position of the bubbles are the same on both sides, move to Step 5.
- If not the same, go back to Step 3 to adjust the left-to-right level again.

[5]

Once the printer is leveled, tighten the upper nut of all two adjusters with the supplied spanner until it reaches to the printer.

📢 **Important!**

Check that all upper nuts of leveling adjusters (x2) reach to the printer. This will ensure the left-to-right level of the printer.

[6]   Gently close the front cover.
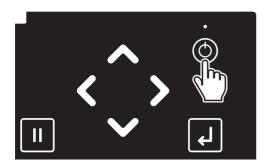
Next, turn on the printer to see if the printer is level left-to-right.

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.

✎ **Note**

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

Checking the levelness

[1]

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

[2]

OK | **No Good**

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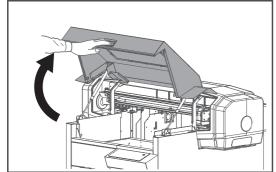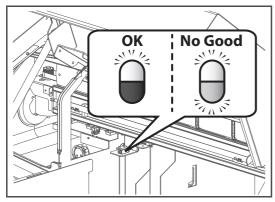
- If the sensor lights up green, the printer is already leveled. Close the front cover and move to the next step.

  ☞ **"Printer Initial Setup" P. 19**

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

  ☞ **"If the obstacle sensor lights up orange" P. 17**
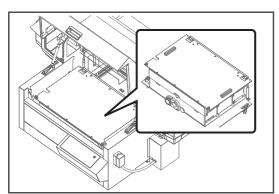
If the obstacle sensor lights up orange

✎ **Note**
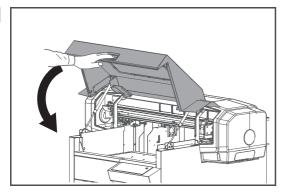
With this condition, the printer cannot perform printer initialization, so an error message will appear on the front panel.
Follow the steps below to level the printer until the obstacle sensor lights up green.

[1]
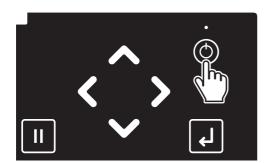
- Place the supplied levels on the base table as shown on the left and adjust the left-to-right level. To adjust the levelness of the printer, see the following section.

  ☞ **"Adjusting left-to-right level" P. 15**

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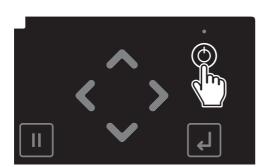
Press the Power button until the message "Power off" appears on the front panel.

- The keys on the operation panel light out.

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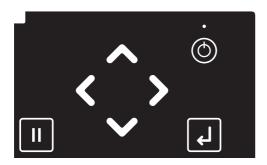
When the message "Power off" appears on the panel, release the Power button.

[4]

Wait for a few seconds, then reboot the printer.

- The keys on the operation panel light up.

✎ **Note**

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. 19

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

  ☞ **"Initial Setup Flow via Front Panel"** P. 21

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 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!
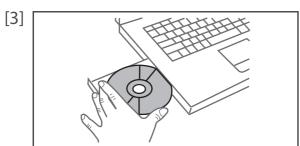
Powering on - Installing MSM

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.

> ✐ **Note**
>
> - **Make sure to install MSM stored in the supplied CD.**

[1]   Check that the front cover is closed.

[2]   Use the LAN cable to connect the printer to your computer.

[3]   Insert the supplied CD into the CD-ROM drive.

> ✐ **Note**
>
> - The Startup Wizard will start up automatically.
> - It does not automatically start, right click the icon of CD-ROM drive, open the contents of CD with [Open], and double click MpTotalInst.exe.

[4]   Follow the instructions on the Startup Wizard to setup.

- When setup is complete, carry out test printing.
  ☞ **"Test printing" P. 31**

> ✐ **Note**
>
> - Please keep the supplied CD at hand. You will need it for reinstallation.
> - If lost, you can download from MUTOH Club (user registration is required).
>   (MUTOH Club) https://club.mutoh.co.jp/mutoh/guser

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 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]

Language :	English

Use ⌄ to select the language.
Tap [Enter].

[3]

Length :	mm

Tap [Enter].

[4]

Remain Ink:	
	Off

Select to show or hide the ink level indication on the front panel.
Use ⌃ or ⌄ to select the setting, and then tap [Enter].

[5]

IP Address :			
19**2**.	168.	1.	253

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]

Subnet Mask :			
25**5**.	255.	255.	0

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. 23**

☞ **"Activation through Internet" P. 24**

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]

$\underline{0}\,0\,0\,0\,-\,0\,0\,0\,0\,-\,0\,0\,0\,0\,-\,0\,0\,0\,0$

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.

Note

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.

Note

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/

Note

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

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].

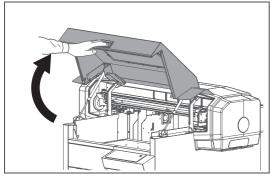**Installed Wiper?**

No

The message on the left appears on the front panel.

• Tap [Enter].

[2]

Hold the handle on the front cover to gently open it.
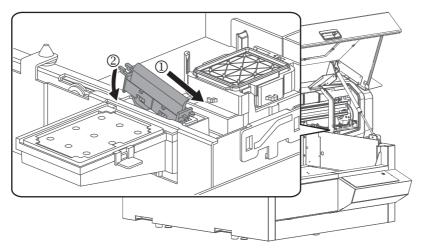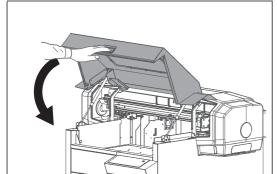
[3]　Follow the steps below to install cleaning wiper.

• 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.

> **Important!**
>
> • **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.**
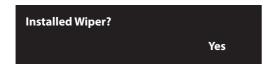
[4]

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

[5]

Installed Wiper?

Yes

- 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 bag: ×6

- Ink bag: ×6
  4-color setting: Magenta ×2, Cyan ×2, Black, Yellow
  6-color setting: Black, Magenta, Cyan, Yellow, Varnish, White

1. **Perform initial cleaning**

[1]

Ink Charge

Start   -> Enter

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 ⌂ .

[2]

Empty Waste Ink Tank

then Tap Enter

When the message on the left appears, check that the waste ink level in the waste ink tank is either empty or low, and then tap [Enter].

Empty the Tank?

No

The message on the left appears on the front panel.

[3]
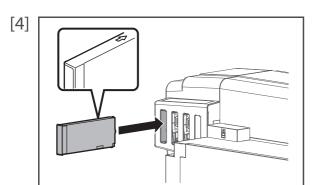
Empty the Tank?

                                        Yes

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

The message on the left appears on the front panel.

Insert Cleaning Cartridges

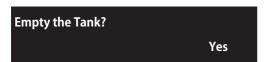**Next**   **-> Enter**

📝 **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.

---

[4]
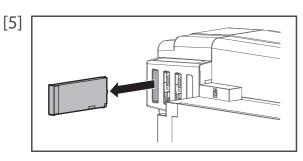
Insert cleaning cartridges into all the cartridge slots.

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

The printer starts filling cleaner.

Washing Head

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

Remove Cartridges

Next   **-> Enter**

[5]

Remove all cleaning cartridges.

The printer starts discharging cleaner.

Washing Head

[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. 28**

Printer Initial Setup   **27**

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.
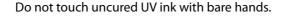
2. Emptying the waste ink tank

⚠ 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. For this operation, be sure to wear the supplied gloves (or solvent resistant gloves) and goggles to prevent ink from contacting with your eyes or skin.
- 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.
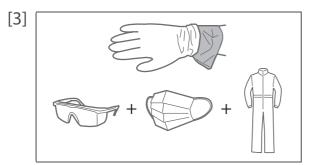
Important!

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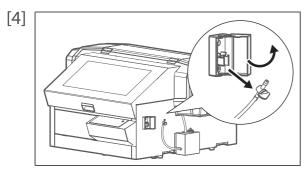
Note

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.
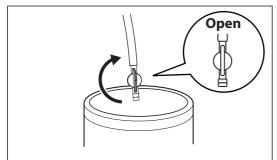
[3]
- Wear the rubber gloves (white) over the polyethylene gloves (pink).
- Wear personal protective equipment such as goggles, protective mask or clothing.

[4]   Open the cover of the drain tube valve clamp, then unhook the drain tube valve to take it out from the clamp.

[5]

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

Open

📢 **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.

---

[6]

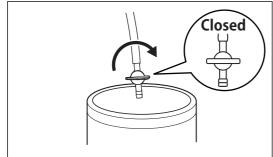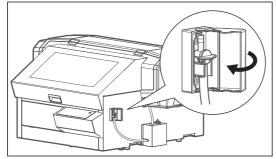Once you finish emptying the waste ink tank, close the drain tube valve.

Closed

---

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

---

[8]

Hook the drain tube valve on the drain tube valve clamp, then close the cover.

---

[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.**

- **Keep out of direct sunlight and store the waste fluid container in a cool, dark place.**

- **Do not mix waste ink with any other chemicals (e.g. oxidation agent) or solutions, even in a small amount. This will produce heat and will cause container melting or liquid leakage.**

---

3. **Perform initial ink charging**

---

[1]

Empty Waste Ink Tank

then Tap Enter

Tap [Enter].

[2]

Empty the Tank?

Yes

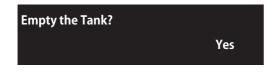- Use ⌃ or ⌄ to choose "Empty the Tank? Yes".
- Tap [Enter].

The message on the left will appear.

Insert Ink Cartridges

Next **-> Enter**

[3]

3 sec.

3 sec. **x 10**

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.

Note

You do not have to agitate varnish ink before use.

[4]

slot 1
K

slot 1
M

Insert ink cartridge to this printer.

- Match the label of this printer to the color of ink cartridge.
- The arrow on the cartridge should face up.
- Insert each cartridge to firmly seat it into each slot.

Ink Refill **** %**

The message on the left appears.

- The printer starts the initial ink charging.

⚠ **CAUTION**

🚫 **DO NOT attempt the following actions during ink charging:**
- **Power off the printer.**
- **Disconnect the power cord.**
- **Open the front cover.**
- **Move the printer.s**

[5]

Media End

PG: Low

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. Place the standard table on the table base

> ✎ **Note**
>
> If place the optional vacuum table, follow the operation manual of optional vacuum table.

[1]
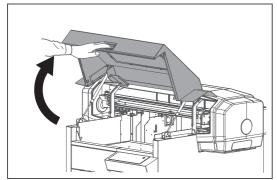
> **Set media, then**
>
> **Tap [∧] key.**

Check that the message on the left is displayed.

If not displayed, tap ∨.

[2]
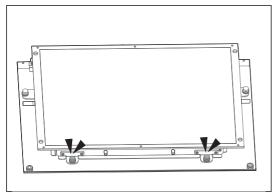
Hold the handle on the front cover to gently open it.

> **Set media, then**
>
> **close cover.**

The message on the left appears.
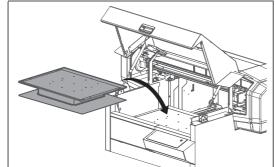
[3]

Check the orientation of the standard table supplied with the printer.

- The side with the adjusters comes front.
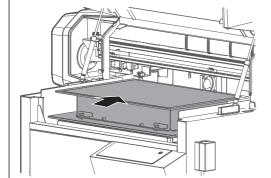
[4]

Place the standard table on the table base.
• Fit the bottom of the table to the width of the table base.

[5]

Slide the table to the end until the registration pins on the table base fit into the notches on the bottom of the table.
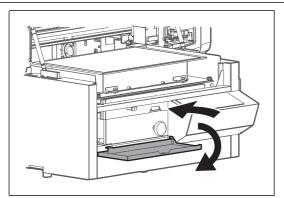
[6]

Secure the table with two screws.

× 2
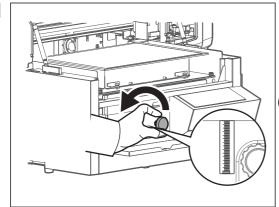
2. Leveling the table

[1]

Open the PG handwheel cover, by pressing on it.

[2]
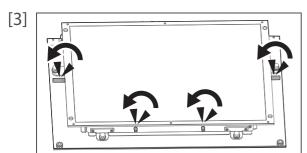
Turn the PG handwheel to raise the table to the top.

- Turn the PG handle anti-clockwise.
- There is 1 mm scale on the left side of the PG handwheel. The table can be raised up to 70 mm.

📢 **Important!**
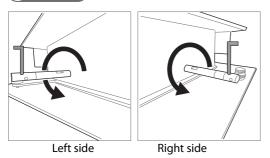
- **When the table is raised to the top, make sure that the red upper limit line on the top of the scale should not be visible.**
- **After lifting up the table all the way, do not turn the table updown dial any further, as doing so could damage the printer.**
  The same applies when lowering the table all the way.

[3]

Loosen four table height fixing screws.
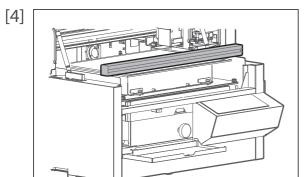
- There are two screws in front and one screw each on both sides of the table.
- Rotate them anti-clockwise to loosen.

✏️ **Note**

Left side   Right side
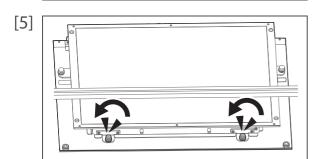
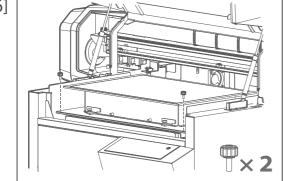- If the screws on the side of the table do not rotate easily, use the hexagon wrench to loosen.
- When looking from the front of the printer, turn the screw on the left to the back.
- Turn the screw on the right to the front.
  (Rotate it anti-clockwise.)

[4]

Place the media height guide over the front side of the table.
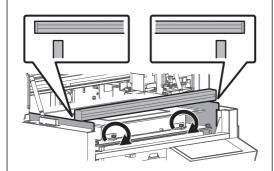
- Make sure that the media height guide is placed on the side plate on both sides.

[5]

Loosen two thumb screws with nuts securing two adjusters on the front side of the table.

- Rotate them anti-clockwise.

[6]
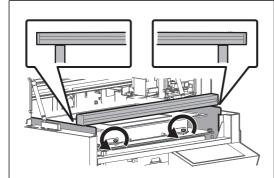
Rotate the thumb screws on each adjuster to raise the table to the top.
- Rotate them clockwise.
- Raise the table until the media height guide is lifted off the plates on both sides.

✎ **Note**

If the table does not raise smoothly, try to loosen the thumb screws of the adjusters on both sides (Once leveled, tighten the thumb screws).

[7]

Rotate the thumb screws on each adjusters to lower the table until the media height guide contacts the plates on both sides.
- Rotate them anti-clockwise.
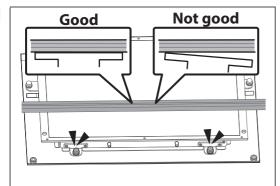
✎ **Note**

If the media height guide does not lower smoothly, try to loosen the thumb screws of the adjusters on both sides (Once leveled, tighten the thumb screws).

[8]

Good **Not good**
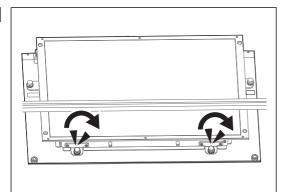
Check that no gap is present between the media height guide and table.
- If gap exists due to levelness of the table, use the adjusters to level it.
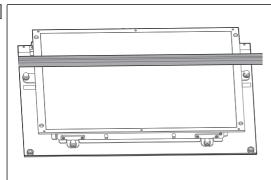
[9]

Tighten two adjuster nuts on the front side of the table.
- Turn the nut clockwise to tighten.
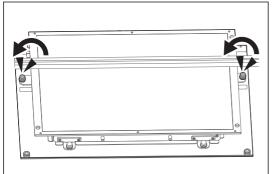
[10]

Position the media height guide over the bottom side of the media.
- Place it on the plates on both sides of the table.

[11]
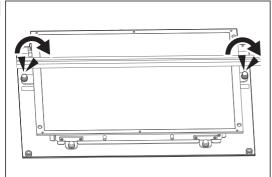
Loosen the thumb screws with nuts securing the adjusters on both sides of the table (one each).

• Rotate them anti-clockwise.

[12] Repeat Step 6 through Step 8 to level the back side of the table.

  • Use the adjusters on both sides of the table to level the back side.
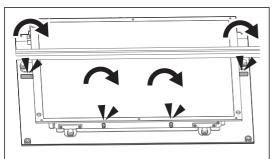
[13]

Tighten two adjuster nuts on both sides (one each).

• Turn the nut clockwise to tighten.
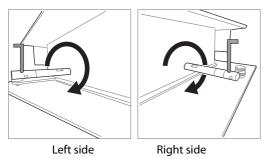
[14]

Tighten four table height fixing screws.
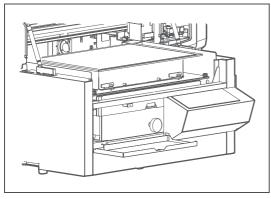
• Rotate them clockwise to tighten.

✎ **Note**

Left side   Right side

• If the screws on the side of the table do not rotate easily, use the hexagon wrench to tighten.

• When looking from the front of the printer, turn the screw on the left to the front.

• Turn the screw on the right to the back.

  (Rotate it clockwise.)
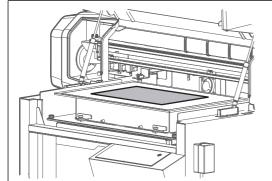
[15]

Remove the media height guide.

3. Adjusting the table's height

[1]
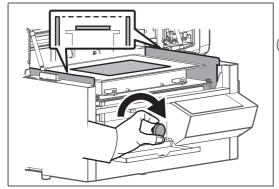
Place the media on the table.
• Set an A4 size media in landscape orientation on the table.

📝 **Note**

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

• If the media does not sit flat on the table, use the low tack tape to tape it in place.

[2]
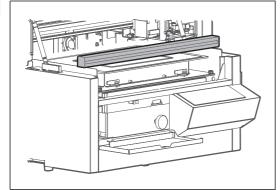
Turn the PG handwheel to lower the table.
• Lower it until the media surface is lower than the plates on both sides.

📝 **Note**

• Turn the PG handle clockwise.
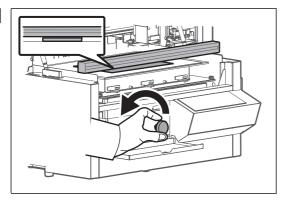
[3]

Place the media height guide on the side plates over the table.
• Make sure that the media height guide is placed on the side plates on both sides..
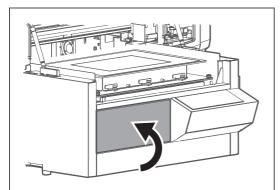
[4]
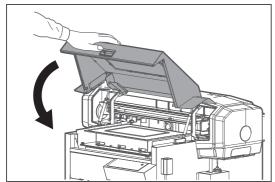
Turn the PG handwheel to raise the table to the position where the media touches the media height guide.

[5]

- Remove the media height guide.
- Close the PG handwheel cover.

[6]

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

4. 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 in the order given: "Obstacle Detected Tap [∨] 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 width, media length 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 width, media length and origin position.

[3]

**:Width：

(30 - 483)　　　　　　　483 mm

Use the ⋀ or ⋁ to input the media width.
Tap [Enter].

✎ Note

- These menu items will only appear if "On" is set for "Detailed-Set".

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

[4]

**:Length:

(30 - 329)　　　　　　　329 mm

Use the ⋀ or ⋁ to input the media length.
Tap [Enter].

✎ Note

Any value from 30 mm to 329 mm can be set for the length.

[5]

**: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 309.0
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.

[6]
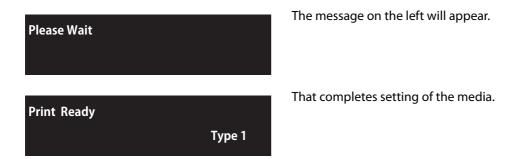
**:Origin:

**　　　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: 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. 39**

• 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. 40**

✏️ **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. 31**

[2]

Print Ready **Type 1**	Check that the message on the left is displayed.

[3]

Tap ◁ .

[4]
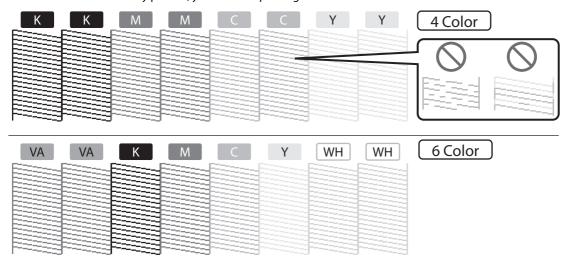
Print Nozzle Check?

Start   -> Enter

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. 42**.
- If all lines are clearly printed, you can start printing.

| K | K | M | M | C | C | Y | Y | 4 Color |

| VA | VA | K | M | C | Y | WH | WH | 6 Color |

✎ **Note**

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. 31**

[2]

Print Ready

**   Type 1**

Check that the message on the left is displayed.

[3]

Tap [Menu].

[4]

Menu2

Test Print

- Use ⌄ to choose "Menu 2: Test Print".
- Tap [Enter].
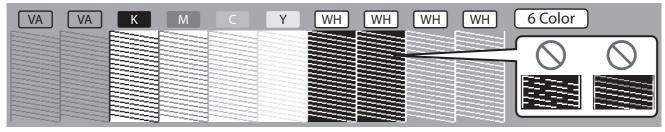
[5]

Test Print2

Nozzle Check B

- 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. 42**.
- If all lines are clearly printed, you can start printing.

| VA | VA | K | M | C | Y | WH | WH | WH | WH | 6 Color |

Note
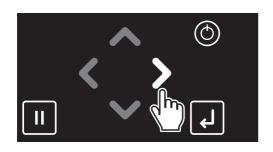
- The figure above is an example of the Nozzle Check B pattern. In this example, non-colored background area is shown in gray.

- 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

Clean Print Head?

                                Normal

Clean Print Head?

                                Long
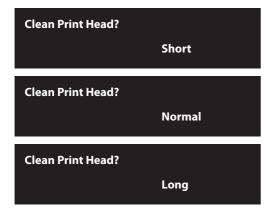
Use ⋀ or ⋁ to choose the cleaning mode.
Tap [Enter].

• The printer will start cleaning.

[4]   Run a nozzle check print again.

☞ **"Run a nozzle check print" P. 39**

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

Installing MUTOH Status Monitor
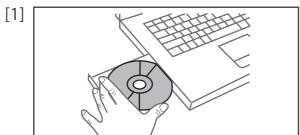
Before you start printing an image, MUTOH Status Monitor (MSM) must be installed on your computer.

After installing MSM, follow the instructions on the MSM operation manual to configure MSM initial setup and printer registration.

☞ MUTOH Status Monitor Operation manual "Initial Setting"

- The CD supplied with your printer contains the following software and operation manual:

MUTOH LFP Finder	When you set up the printer using the Startup wizard, assign IP address to your printer, so that it can communicate with the computer.
Printer driver	Sends print data from the computer to the printer. It also allows to change the print settings.

> **Note**
>
> 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).

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. 46.** The following documents are available in the PDF format. • XPJ-461UF Operation manual "Operations and Maintenance Methods" • XPJ-461UF Startup Guide (This manual) • XPJ-461UF Driver User's Guide • MUTOH Status Monitor Operation manual • Layout and Print Tool 2 Operation manual

> **Important!**
>
> • **Make sure to install MSM stored in the supplied CD.**

[1]

Insert the supplied CD into the CD-ROM drive.

> **Note**
>
> • The Startup Wizard will start up automatically.
>
> • If the Startup wizard does not automatically start, right click the icon of CD-ROM drive, open the contents of CD with [Open], and double click MpTotalInst.exe.

[2]   Follow the instructions on the Startup Wizard to install softwares.

> **Note**
>
> • Please keep the supplied CD at hand. You will need it for reinstallation.
>
> • If lost, you can download from MUTOH Club (user registration is required).
>   (MUTOH Club) https://club.mutoh.co.jp/mutoh/guser
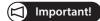
Sleep Mode

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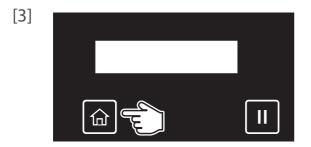
Steps

[1] Make sure that the printer's operating condition is as follows:
- The Front cover and the PG handle 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].
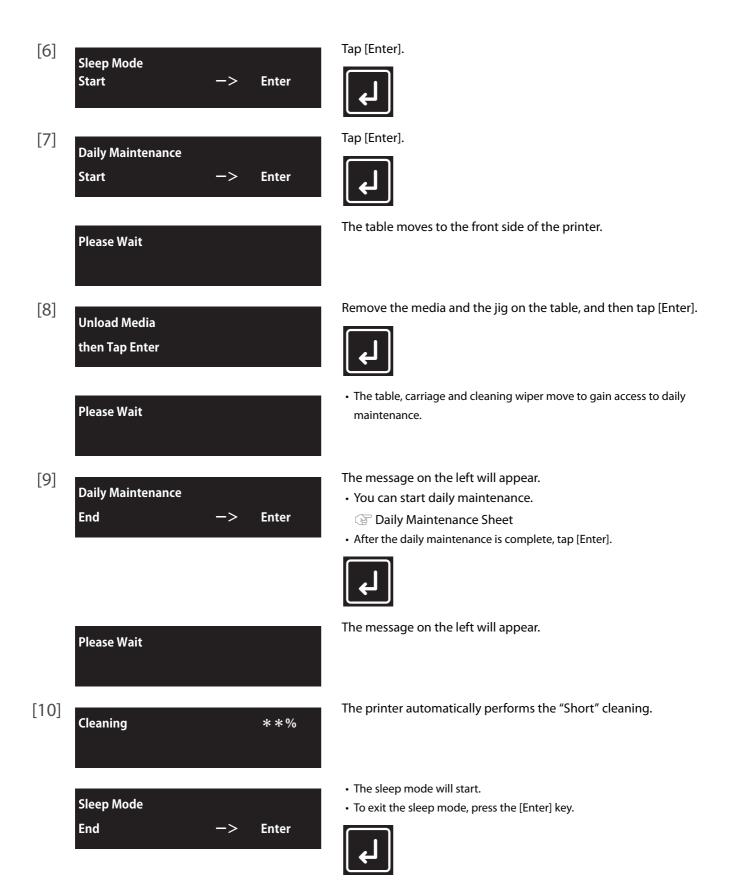
[4] Use ▼ to choose "Menu 5: Sleep Mode".

Menu5
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.

Sleep Mode

End ─> **Enter**

- 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

You can view each operation manual stored in the supplied CD as follows:

[1]

Insert the supplied CD into the CD-ROM drive.
- The Startup Wizard will start up automatically.
- If the Startup wizard does not automatically start, right click the icon of CD-ROM drive, open the contents of CD with [Open], and double click MpTotalInst.exe.

[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 μs
> 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.**

✎ **Note**

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.

Leave ink cartridge 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.

❗ **Keep this product level when moving.**

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

❗ **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.

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

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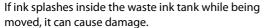
🚫 **When cleaning the print head circumference, never touch the surface of the print head nozzles.**

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

❗ **When moving this printer, always empty the waste ink tank even moving short distance.**
If ink splashes inside the waste ink tank while being moved, it can cause damage.

🚫 **Do not 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 PG handle 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.**
- **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.

Ink Handling

⚠ WARNING

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

⚠ CAUTION

🚫 **Do not disassemble Ink cartridges.**
If disassembled, ink may come into contact with your eyes or skin, causing irritation or allergic reaction.

🛈 **Before using the ink cartridges on the printer, 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 using this products.**
- **Especially during operations where ink might contact you (e.g. handling ink cartridges or waste fluid, cleaning of print head/cap/wiper), always wear protective 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.**
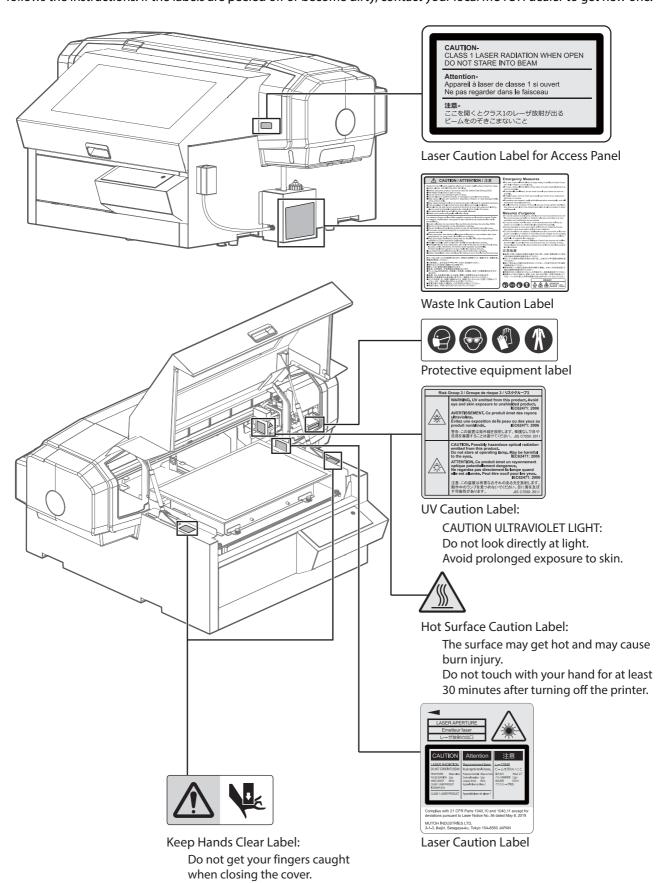Ink may leak from the cartridge.

🛈 **Regarding the ink cartridges, be sure to:**
- **Before installing a new ink cartridge, invert the ink cartridge back and forth to agitate ink.**
- **Agitate ink in the cartridge when prompted on the front Panel.**
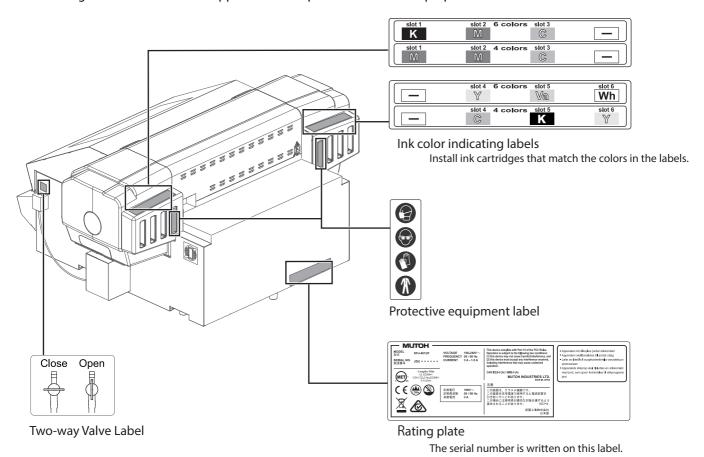
Warning Labels

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

CAUTION-
CLASS 1 LASER RADIATION WHEN OPEN
DO NOT STARE INTO BEAM

Attention-
Appareil à laser de classe 1 si ouvert
Ne pas regarder dans le faisceau

注意-
ここを開くとクラス1のレーザ放射が出る
ビームをのぞきこまないこと

Laser Caution Label for Access Panel

Waste Ink Caution Label

Protective equipment label

UV Caution Label:
CAUTION ULTRAVIOLET LIGHT:
Do not look directly at light.
Avoid prolonged exposure to skin.

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.

Keep Hands Clear Label:
Do not get your fingers caught when closing the cover.

Laser Caution Label

Instruction Labels

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

slot 1	slot 2	6 colors	slot 3	
K	M		C	—

slot 1	slot 2	4 colors	slot 3	
M	M		C	—

	slot 4	6 colors	slot 5	slot 6
—	Y		Va	Wh

	slot 4	4 colors	slot 5	slot 6
—	C		K	Y

Ink color indicating labels
Install ink cartridges that match the colors in the labels.

Protective equipment label

Rating plate
The serial number is written on this label.

Close   Open

Two-way Valve Label

📝 **Note**

The following marks are for China's safety standards.

汉文	仅适用于海拔2000m以下地区安全使用。
藏文	《2000m ... 》
蒙古文	" ...2000... "
壮文	Dan hab yungh youq gij digih haijbaz 2000m doxroengz haenx ancienz sawjyungh.
维文	دېڭىز يۈزىدىن 2000 مېتر تۆۋەن رايونلاردىلا بىخەتەر ئىشلەتكىلى بولىدۇ

	汉文	"仅适用于非热带气候条件下安全使用。"
	藏文	《ཤིབ་ཆོན། ཚ་གྲང་ གི་ཉེན་ཁ་མེད་པའི་ གནས་སྟངས་ འོག་ལ་ བརྟེན་པ།》
	蒙古文	"ཚ་བའི་ས་ཁུལ་གྱི་གནམ་གཤིས་མིན་པའི་ས་ཁུལ་ལོ་ནར་ཉེན་མེད་བེད་སྤྱོད་བྱས་འཐུས།"
	壮文	Dan hab yungh youq gij dienheiq diuzgen mbouj dwg diegndat haenx ancienz sawjyungh.
	维文	غەيرى ئىسسىق بەلباغ ھاۋا كلىماتى شارائىتىدىلا بىخەتەر ئىشلەتكىلى بولىدۇ

MUTOH