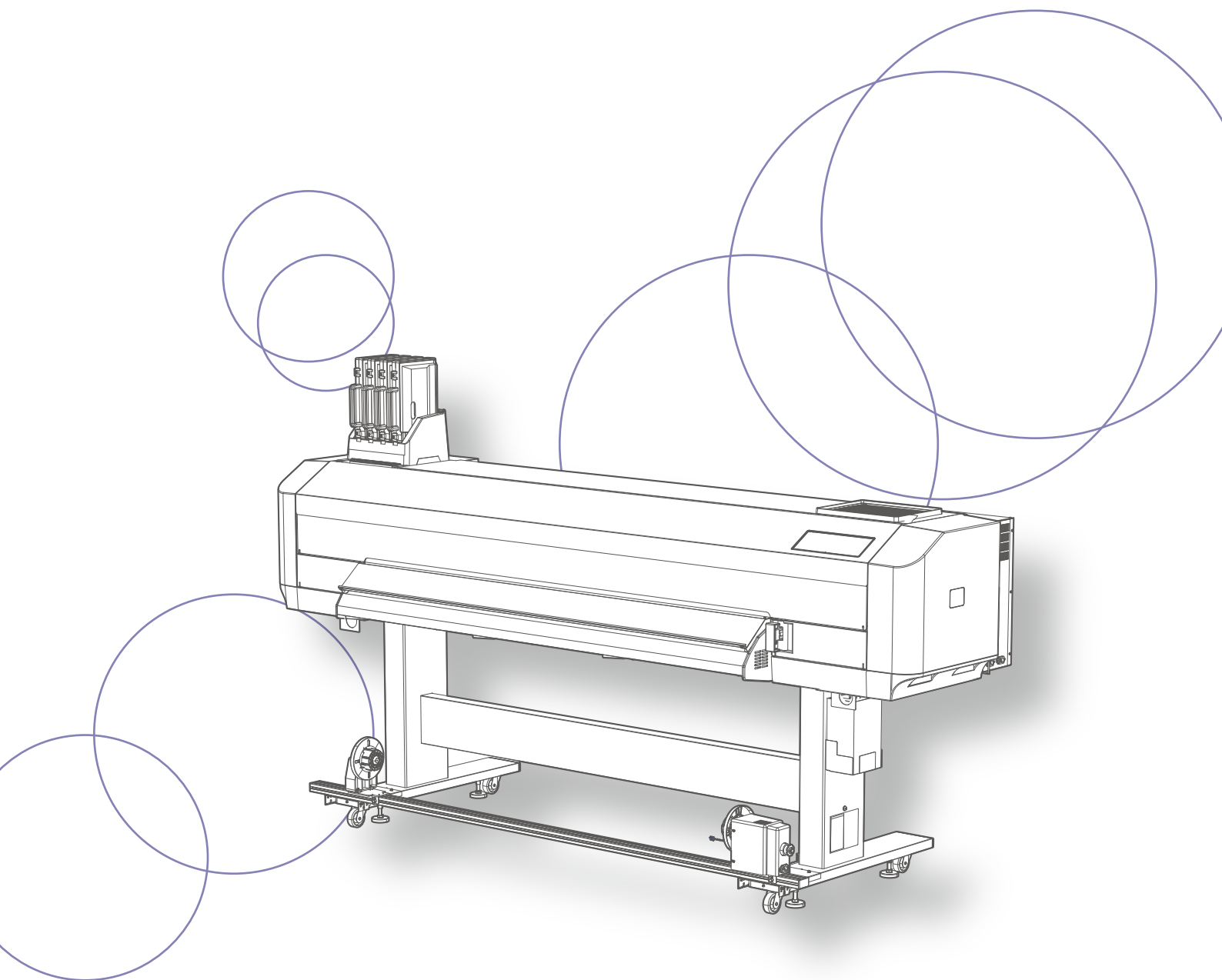


MUTOH

HA-1642

Startup Guide

Unpacking and Assembling Instructions



Important Notice

For Users in Europe



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

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

For Users in the United States

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

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

CAUTION

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

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VerteLith™ is trademark of MUTOH INDUSTRIES LTD.

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

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Safety Precautions

Symbols



In this document, the following symbols are used for the instructions that must be followed to avoid risk of harm to human health or damage to the property.

Please understand the meaning of each mark and use this product safely and correctly.




■ Warnings and cautions

 Warning	Failure to follow the instructions could result in serious injury or death.
 Caution	Failure to follow the instructions could result in minor injury or damage to the product.

■ Actions that must be avoided or instructions that must be followed.

	Indicates an action that must be avoided. A symbol in the sign indicates the prohibited action.
	Indicates an important instruction that must be followed. A symbol in the sign indicates the instruction must be followed.

■ Other symbols

 Important!	Provides information that require special attention or should be followed.
 Note	Provides supplemental or reference information.
	Indicates the link to the reference section.

Note

For the name of each part marked with Warning or caution symbols, see "Before Use" on the HA-1642 operation manual.

In the event of abnormal conditions

Warning



- **In the event of abnormal conditions such as smoke or unusual odor, turn off the main power immediately and unplug the power cord.**

Continuing to use the machine under these conditions may result in failure, electric shock, or fire. Once you have confirmed that smoke is no longer being emitted, contact your local dealer or our service office. Never attempt to repair the machine yourself, which is hazardous.

- **If a foreign object, water, or other liquid gets inside the product, immediately turn off the power button and unplug the power plug from the outlet.**

Continuing to use the machine under these conditions may result in failure, electric shock, or fire. Once you have confirmed is no anomalies, contact your local dealer or our service office. Never attempt to repair the machine yourself, which is hazardous.

- **If ink, maintenance cleaner, or waste fluid, gets on skin, wipe it off immediately with a cloth. Then wash with soap and plenty of water. If skin irritation or inflammation occurs, seek medical advice.**
- **If ink, maintenance cleaner, or waste fluid gets into your eyes, immediately flush them with copious amounts of running water for 15 minutes. If irritation or pain is felt in the eyes, seek medical attention immediately. If left untreated, it may cause redness and mild irritation of the eyes.**
- **If ink, maintenance cleaner, or waste fluid is swallowed, do not force vomiting, gargle immediately and seek medical attention immediately. Attempting to force vomiting may cause vomit to enter the trachea.**

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Usage Precautions

Handling

Warning






	<ul style="list-style-type: none"> • Do not touch the product when lightning starts. This could may result in electric shock. • Do not insert or drop metal or flammable objects into the printer through openings such as vent. This could result in fire or electric shock. • Do not block the vent on the product with cloth or other materials. If covered, the inside the product gets hot, resulting in fire. • Do not touch the moving parts. This may cause injury or damage to the product. • Do not sit on or place heavy objects on the product. Failure to do so may result in injury from a fall. • Do not touch the media guide while printing or the heater is in operation. There is a risk of burns.
	<ul style="list-style-type: none"> • Never modify the product or open any covers secured with screws. This could result in an electrical shock or damage to the printer. Also, modifying or disassembling the product will void the warranty.
	<ul style="list-style-type: none"> • When handling the printer, please note the following: <ol style="list-style-type: none"> 1. Do not stare at the ultraviolet light at close range for long periods of time. This may cause eye damage. 2. Do not expose your skin to ultraviolet light at close range for long periods of time. This may cause skin inflammation. • Small amount of UV light (bluish white light) is leaked from the UV-LED unit, but it is minimized to safe level.

Caution


	<ul style="list-style-type: none"> • Do not tilt or give any impact to the product. Doing so may cause the ink inside the printer to leak. Otherwise proper operation cannot be guaranteed.
	<ul style="list-style-type: none"> • When handling the front cover or the maintenance cover, always use the following safety precautions: <ol style="list-style-type: none"> 1. Avoid strong airflow from a fan or an air conditioner to install this printer. If not, it may accidentally close the cover. 2. When opening the cover, make sure the cover does not hit anyone or anything.

Power cords

Warning

	<ul style="list-style-type: none"> • Do not damage or modify the power cord or power plug. Also, do not place heavy objects on it, heat it, or forcibly bend or pull it. The power cord may be damaged, resulting in fire or electric shock. • Do not use the power cord if it is damaged or broken or if the core wire is exposed. This could result in fire or electric shock. • Do not plug the ground terminal into a power outlet. This could result in fire or electric shock. • Do not allow metal or other objects to touch the blade of the power plug. This could result in fire or electric shock. • Do not use extension cords or power strips. This could result in fire or electric shock. • Do not connect an earth wire to the following places: <ol style="list-style-type: none"> 1. Gas pipe: It has potential risks of fire and explosion. 2. Earth wire of telephone cables or lighting rods: Large current may flow when the lightning strikes. 3. Water pipe or faucet: It may not work properly if a plastic pipe is connected to the pipe.
	<ul style="list-style-type: none"> • Do not handle the power plug with wet hands. This could may result in electric shock.
	<ul style="list-style-type: none"> • Use the Printer with a power supply that meets specifications. • 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. <ol style="list-style-type: none"> 1. The power cord should have the protective ground terminal and make sure to plug in securely. 2. Use the power cords which meet the safety standard, voltage and plug shape of the country to use this product. • Plug the power cord into a power outlet close to the machine. • Insert the power plug blade securely. Incomplete insertion may cause fire or electric shock. • When unplugging the power cord, be sure to hold the plug and pull it out. Pulling on the power cord may damage the cord, resulting in fire or electric shock. • Clean the power plug regularly with a dry cloth. Moisture or adhering to accumulated dust may cause a short circuit. This could result in fire or electric shock. • Unplug the power plug from the outlet when not using the product for an extended period of time. Dust buildup on the power plug may cause fire or electric shock. • Use the cord clamp to secure the power cord.  "Connecting the printer and power cord" P.40
	<ul style="list-style-type: none"> • 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: <ol style="list-style-type: none"> 1. Earth terminal of power socket. 2. An earth wire with a copper plate which is buried at 650 mm or more in the ground.

Caution

	<ul style="list-style-type: none"> • When connecting the power cord, check the input voltage of the power outlet and the capacity of the breaker. Also, connect each cable to a separate power source with an independent breaker. Connecting to power outlets linked with the same breaker will cause the breaker to trip.
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About Maintenance

Caution

   	<ul style="list-style-type: none"> • Make sure to wear protective equipment (gloves, goggles or eye protection, protective clothing, mask) when performing a maintenance.
	<ul style="list-style-type: none"> • When cleaning the print head, observe the following: <ol style="list-style-type: none"> 1. Always follow the steps to perform maintenance. 2. Use the designated maintenance cleaner. Use of non-designated one may cause print head failure. 3. Use a new cleaning stick. Reusing used cleaning sticks may cause print head failure. 4. Do not touch the tip of a cleaning stick with bare hands. Sebum can cause print head failure. • Check that the media guide is cool enough to perform maintenance. The media guide becomes hot during operation and you could get burns.
	<ul style="list-style-type: none"> • Never touch the print head nozzles when cleaning the parts around the print head. This could damage the print head. • Do not touch the cleaning wiper and the print head capping station with bare hands when cleaning the wiper. If finger oil gets on this, head cleaning cannot be performed properly. • Do not use volatile chemicals such as thinner, benzine or alcohol for cleaning. This may cause damage to the paint or plastic cover. • Do not attempt the following actions during ink charging: <ol style="list-style-type: none"> 1. Turn off the printer. 2. Unplug the power cord of the printer. 3. Open the front cover or maintenance cover. 4. Raise the pressure rollers. 5. Move the printer.

Location of the Printer

Warning



- **Install in a well-ventilated area and ensure that the work area is well ventilated.**
Odor of ink could have adversely impact on health. If you experience headache, fatigue or dizziness, stop your work and immediately get to fresh air. If nausea persists, seek medical advice.
- **Before taking out the printer from the packaging box, remove the plastic sheet wrapped around the printer first.**
Failure to do so may cause slip and damage to the product.

Caution



- **Choose the location which satisfies the requirements below:**
 1. The floor must be level.
 2. Avoid vibration from the neighboring devices.
 3. Low humidity and free from dust.
 4. Less chance of temperature and humidity changes.
 5. Avoid direct sunlight.
 6. Avoid water.
 7. Avoid direct air onto the printer.
 8. Low levels of electromagnetic waves.



- **This equipment is not suitable for use in locations where children are likely to be present.**
- **Do not install the product in direct sunlight or remove the cover.**
Next to the UV-LED lamp in the printer, there may be other sources of UV light present in the working environment: sunlight or any form of artificial light. It could cause unintended curing, resulting in printer damage (nozzle clogs, malfunction of the maintenance station, etc.).

When moving the printer







Caution





- **Before moving this printer, always empty the waste ink tank even moving short distance. Failure to do so may result in damage to the product.**
- **Minimum three people are required for moving this product. When moving, keep the product level. Otherwise proper operation cannot be guaranteed after moving.**
- **Wearing safety shoes is recommended for moving this product.**

Ink and waste fluid

Warning

	<ul style="list-style-type: none"> The safety concerns involved with using and handling of ink and waste fluid are detailed in the Safety Data Sheet (SDS). Please read the SDS carefully before handling these liquids. Please download the latest SDS from our website (https://www.mutoh.co.jp/en/).
   	<ul style="list-style-type: none"> Always wear protective equipment (gloves, goggles or safety glasses, protective clothing, mask) when handling ink or performing any work that ink may come in contact with your skin (e.g. cleaning print heads, caps, wipers, etc.). Two types of gloves are supplied with the printer. To avoid ink penetration, please wear the rubber gloves over the polyethylene gloves (pink). If these gloves are not available, butyl rubber gloves are recommended. If glove becomes contaminated with ink, replace with new ones. Do not touch uncured ink with bare hands. Ink curing time varies depending on the surface characteristics of media. Always wear gloves when checking if the ink has cured.
	<ul style="list-style-type: none"> Store ink in a cool, dark place and keep away from fire and heat.

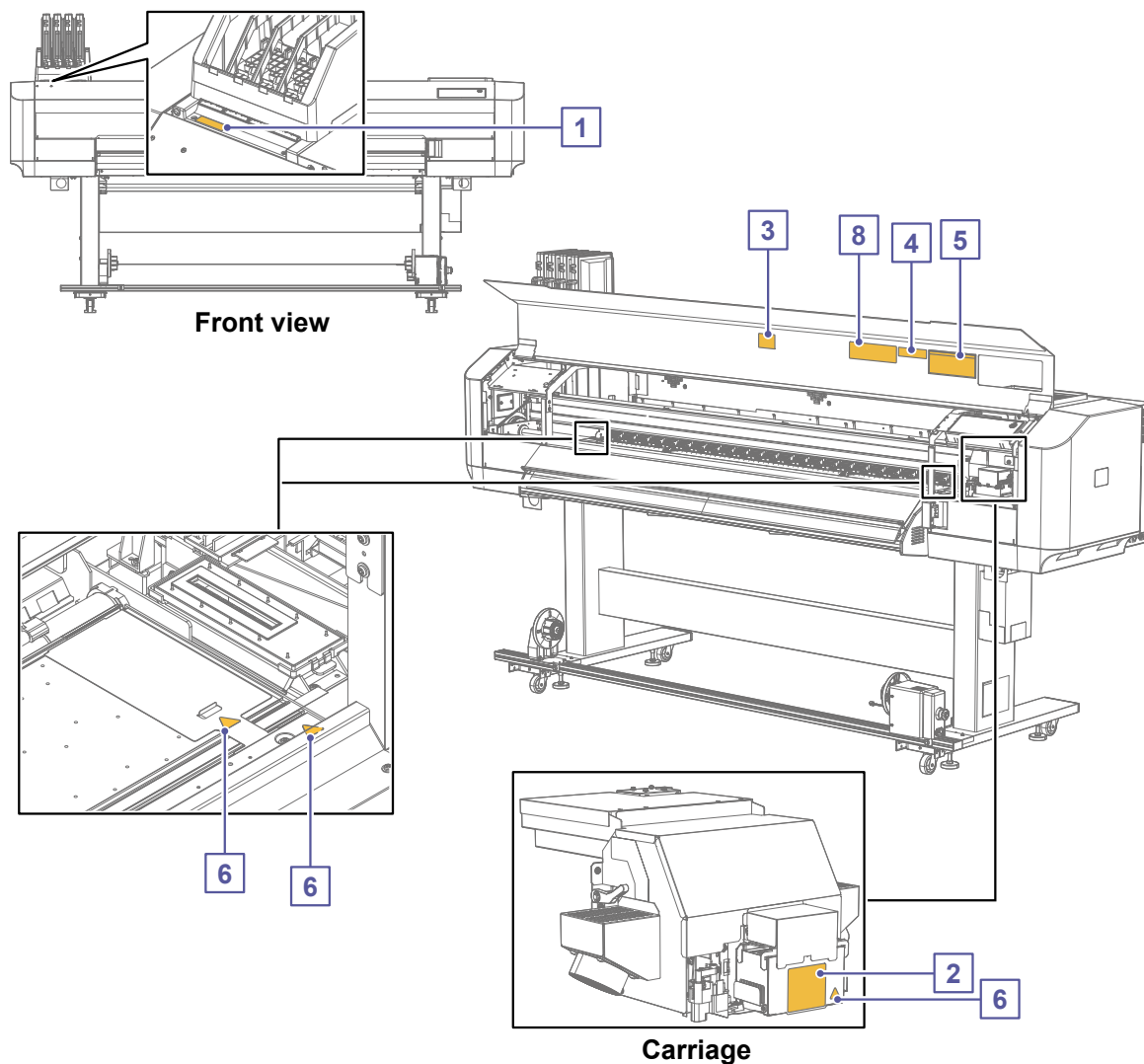
Caution

	<ul style="list-style-type: none"> Do not disassemble or give strong impact to the ink bag, or swing it around violently. Doing so may cause ink leakage.
	<ul style="list-style-type: none"> Use MUTOH genuine ink. This printer is designed to deliver best performance by using MUTOH genuine ink. The use of non-genuine ink may affect the printer as well as print quality. This is not covered by the warranty. Use inks within its shelf life. <ol style="list-style-type: none"> Use of expired ink may cause ink ejection failure or damage to the printer. When expired, replace with a new one even if ink remains in the ink bag. Dispose of expired ink as industrial waste. Put the emptied ink bag in a plastic bag and dispose of it according to the local regulations. Ink bags and waste fluid should be stored in the following places: <ol style="list-style-type: none"> A place out of reach of children. A cool, dark place that keeps away from fire, high temperature or direct sunlight. When disposing of ink, waste fluid collected from the printer, or containers and paper towels with ink adhered, be sure to follow the instructions of industrial waste disposal contractors, related laws, and local regulations to dispose of them. Waste fluid collected from this printer is harmful. Do not allow it to reach sewage or natural water systems. Use a HDPE container with light blocking properties to store waste fluid. When storing waste fluid for a long time, slightly loosen the cap on the container to allow air. Do not tightly close it. Do not mix waste fluid with any other chemical substances, not even in small amounts. When mixed with other chemicals (e.g. oxidants), heating may occur.

Warning labels

Warning labels are affixed to the hazardous area of the printer. Read and follow the instructions on the labels.

In case the warning labels came off or get dirty, please contact your local MUTOH dealer for replacement.



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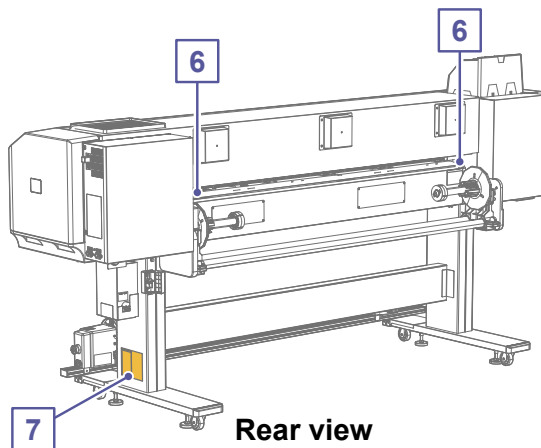
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Rear view


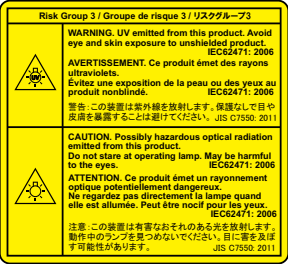
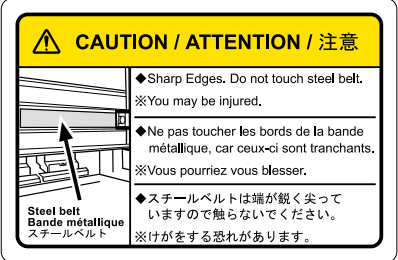

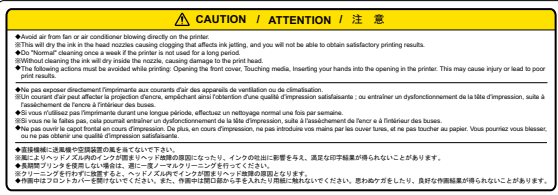


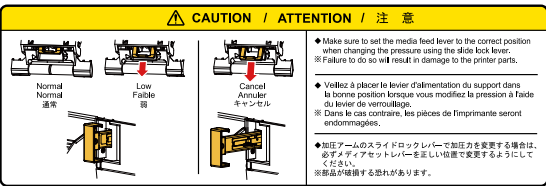
The following marks correspond to Chinese safety standards.



汉文	仅适用于海拔2000m以下地区安全使用。
藏文	《2000m རྩེད་གསོལ་བའི་རྒྱུ་རྐྱེན་གྱི་སྤྲུལ་ཁྲིན་རྟེན་མེད་པེད་སྦྱང་བླ་མ་འཇུག།》
蒙古文	“ “<u>Бүтэсхийгдсэн асан эхлэхийн 2000м-ийн хурьцангуй нэмэгдэлгүй байдалтай холбоотой байдлыг үзүүлж байна.</u>”
壮文	Dan hab yungh youq gij digih haijbaz 2000m doxroengz haenx ancienz sawjyung.
维文	دېڭىز يۈزىدىن 2000 مېتر تۆۋەن رايونلاردا بىخەتەر ئىشلەتكىلى بولىدۇ



汉文	“仅适用于非热带气候条件下安全使用。”
藏文	《འགྲོ་བརྩིས། རྒྱལ་ནང་གི་མཁུ་དཔྱད་ཀློང་གི་ཕྱི་ཐོན་ཆས་ཤིག་ཡིན་པའི་ཞེས་པའི་ཚུན་ཅེས་པའི་མཛུགས་ཀྱི་ཉམས་ཏུ་བཟུང་།》
蒙古 文	“ “ᠰᠦᠨ ᠬᠠᠪ ᠶᠤᠩᠭ᠎ᠠ ᠵᠥ᠋ᠷᠭᠡ ᠳᠢᠨᠼᠡᠢᠭᠯᠡᠳᠡᠮᠫᠤᠸ ᠠᠴᠢᠨᠵᠢᠶ᠈ᠵᠠᠩᠭᠤᠨ.
壮文	Dan hab yungh youq gij dienheiq diuzgen mbouj dwg diegdnat haenx ancienz sawjyung.
维文	غەيرى ئىسسىق بەلباغ ھاۋا كىلىماتى شارائىتىدىلا بېخەتەر ئىشلەتكىلى بولىدۇ

Label type	Name / Meaning
1	 Protective equipment wear label <ul style="list-style-type: none"> Wear protective equipment when handling ink.
2	 UV warning label <ul style="list-style-type: none"> UV light hazard: Avoid direct skin or eye exposure to light.
3	 Steel belt caution <ul style="list-style-type: none"> Do not touch this part. There is a risk of injury.
4	 Cutter caution <ul style="list-style-type: none"> Do not place fingers near the cutter. There is a risk of injury from the cutter blade.
5	 Front cover caution <ul style="list-style-type: none"> Follow the instructions on the label.
6	 Hot surface hazard label <ul style="list-style-type: none"> Risk of burns. Do not touch this surface for at least 10 minutes after printing.
7	 Waste fluid caution label <ul style="list-style-type: none"> Waste ink is harmful to human body. Wear a protective mask, protective glasses, protective gloves, and protective clothing while handling.
8	 Slide lock lever caution label <ul style="list-style-type: none"> When changing pressure that comes onto media using the slide lock lever, incorrect procedure may cause damage to the printer parts. Follow the operation procedure to change the pressure.

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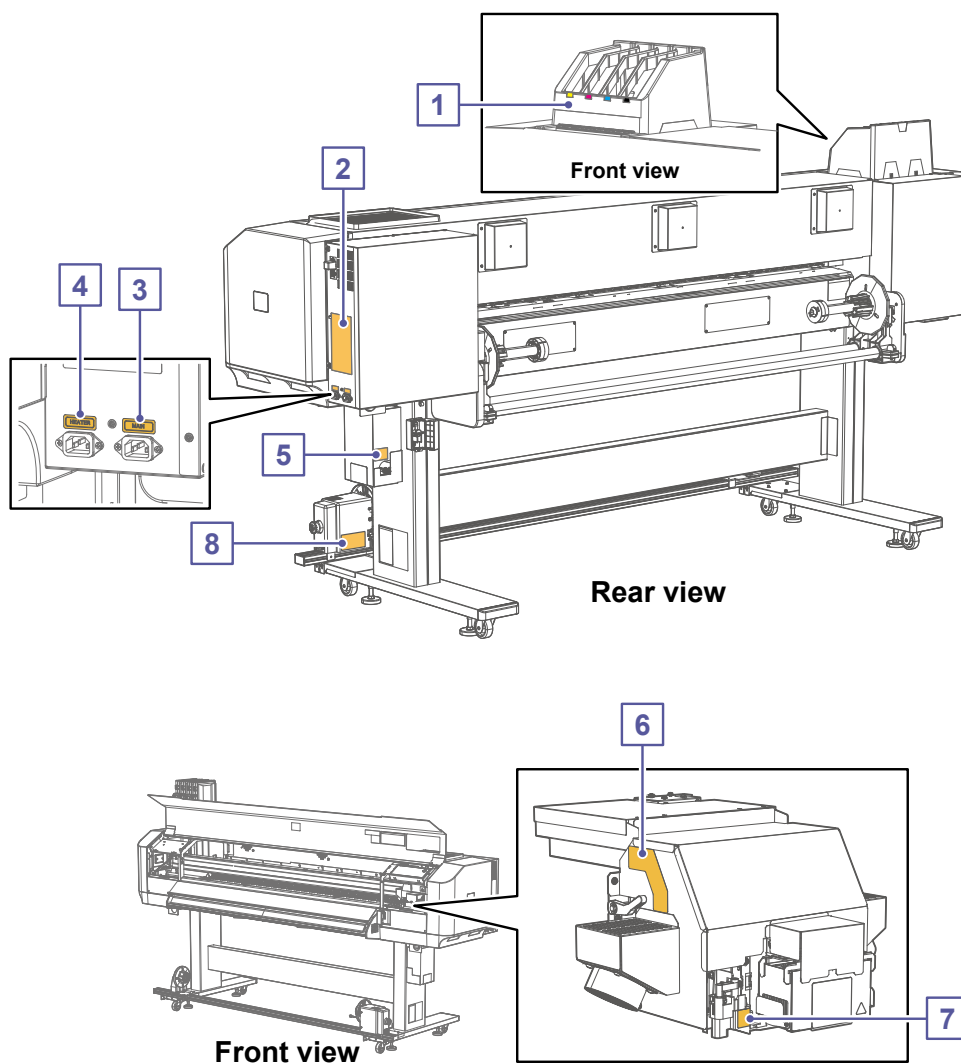
Setup





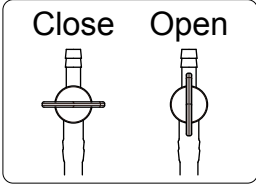
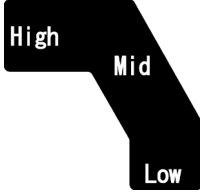

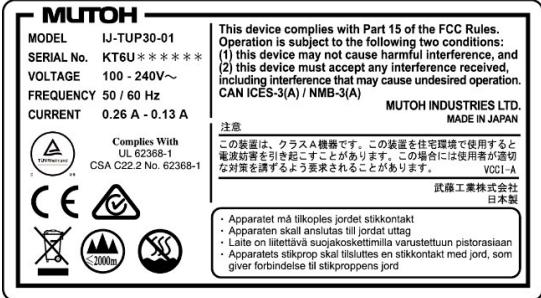
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Instruction Labels

Instruction labels are affixed where special attention for operating this product is required. The contents of each label are shown here.



Label type	Name / Meaning
1 	Ink color label <ul style="list-style-type: none"> Make sure to install the color of the ink corresponding to the label.
2 	Rating plate <ul style="list-style-type: none"> It contains model, serial number, electrical ratings, certification and notification information.
3 	AC inlet label (MAIN) <ul style="list-style-type: none"> Indicates the AC power cord inlet for the printer.
4 	AC inlet label (HEATER) <ul style="list-style-type: none"> Indicates the AC power cord inlet for the heater.
5 	Drain valve label <ul style="list-style-type: none"> Shows the open or close position of the drain valve.
6 	PG Label <ul style="list-style-type: none"> Adjust the print head height.
7 	ORIGIN Label <ul style="list-style-type: none"> Indicates the origin position.
8 	Rating plate for take-up unit <ul style="list-style-type: none"> It contains model, serial number, electrical ratings, certification and notification information.

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Check before installation

Installation Location Requirements



- Choose the location which satisfies the requirements below:

1. The floor must be level.
2. Avoid vibration from the neighboring devices.
3. Low humidity and free from dust.
4. Less chance of temperature and humidity changes.
5. Avoid direct sunlight.
6. Avoid water.
7. Avoid direct air onto the printer.
8. Low levels of electromagnetic waves.



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

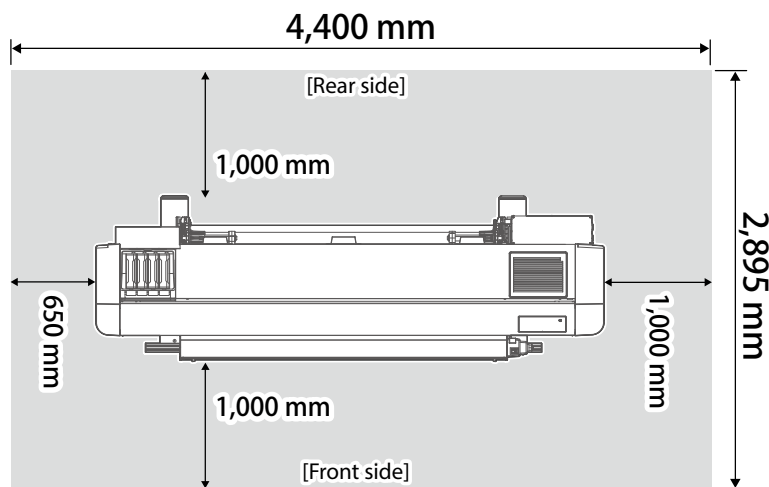


Caution

- The floor where the product is installed must be able to support this product. The weight of this product will be 185.8 kg including the stand and take-up unit. Installing in an unsuitable location could cause injury from the fall.
- This product is not suitable for use in location where children are likely to be present.
- Keep the work area well-ventilated. Odor of ink could have adversely impact on health. If you experience headache or feel dizzy or dull, immediately get to fresh air. If nausea persists, seek medical advice.

Minimum Space Requirements

The following space is required for installation.



- Printer Size: (W) 2,770 mm x (D) 895 mm x (H) 1,611 mm^{*1}

^{*1} Height with the ink bag cases (for 1000 ml) attached. The height of the installation space must be at least 1,760 mm.

Power specifications

The installation site must meet the following power specification:

■ Printer

- Input voltage:
AC 100 V to 120 V \pm 10 %
AC 200 V to 240 V \pm 10 %
- Input frequency:
50 / 60 Hz \pm 1 Hz
- Input load current:
AC 100 V to 120 V: 12 A or less
AC 200 V to 240 V: 7 A or less

■ Heater

- Input voltage:
AC 100 V to 120 V \pm 10 %
AC 200 V to 240 V \pm 10 %
- Input frequency:
50 / 60 Hz \pm 1 Hz
- Input load current:
AC 100 V to 120 V: 10 A or less
AC 200 V to 240 V: 5 A or less

■ Take-up unit

- Input voltage:
AC 100 V to 240 V \pm 10 %
- Input frequency:
50 / 60 Hz \pm 1 Hz
- Input load current:
AC 100 V to 240 V: 0.26 to 0.13 A or less



Warning

Do not use power strips.

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Environmental Requirements

Choose the location which satisfies the requirements below:

■ **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

■ **Fluctuation:**

Temperature: no more than 2 ° C per hour

Humidity: no more than 5 % per hour

■ **Printer Storage Condition:**

- Without ink filled: Within 6 months:

Temperature: 10 ° C to 60 ° C

Humidity: 20 % to 80 %, non condensing

- With ink filled: Within 1 week:

Temperature: 10 ° C to 40 ° C

Humidity: 20 % to 80 %, non condensing

Storage must be within 4 days when stored between 32 ° C to 40 ° C.

■ **Ink Storage Condition:**

- Black / Cyan / Magenta / Yellow (1,000 ml each)

Temperature: 10 ° C to 40 ° C

Humidity: 5 % to 85 %, non condensing

Storage must be within one month when stored at 40 ° C.

Keep away from heat sources and flammable materials and store in a cool, dark and well-ventilated place.

- Cleaner bag (300 ml)

Temperature: 10 ° C to 40 ° C

Humidity: 80 % or less, non condensing

Storage must be within one month when stored between 30 ° C to 40 ° C.

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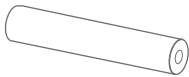
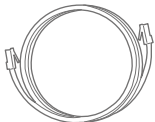
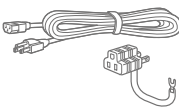
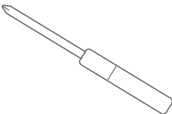
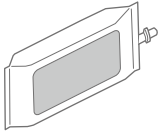
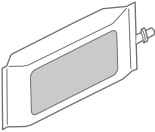

Installing MUTOH
Status Monitor

Unpacking

Preparations

Before unpacking, check the following:

- At least four people are required for unpacking, assembling and installing this printer.
- You will need the following items other than supplied items for installation and initial setup.

			
Computer: 1	Media*: 1	Gigabit Ethernet cable: 1	Power cord*: 3
			
Phillips-head screwdriver: 1	Ink bag* (1,000 ml) : 1 for each color	Cleaner bag* (300 ml) : 4	Designated maintenance cleaner*: 1

* Optional accessories or consumable supplies

- Usable size for roll media.
 - Paper core: 2 inch or 3 inch
 - Media outer diameter: up to 200 mm
 - Media width: 500 mm to 1,625 mm
 - Weight: up to 30 kg



Warning

- Be sure to use the designated power cords. Failure to do so could cause electric shock or fire.



Important!

Make sure your computer meets the following requirements:

- OS: Windows 11, Windows 10
- CPU: Intel (R) Core (TM) i5 or more
- Memory: 8 GB or more
- Network: Use a network port that supports Gigabit Ethernet, and an Ethernet cable that supports Category 6 Gigabit Ethernet or later.



Note

- The OS support period of MUTOH software follows the Microsoft support lifecycle policies.
- When using RIP software, please also check the system requirements of your RIP software.
- If you are using the LAN connection, make sure that your printer and computer are on the same subnet.

Check before
installation

Unpacking

Assembling

Connecting
the cables

Setup

Test Print

Installing MUTOH
Status Monitor

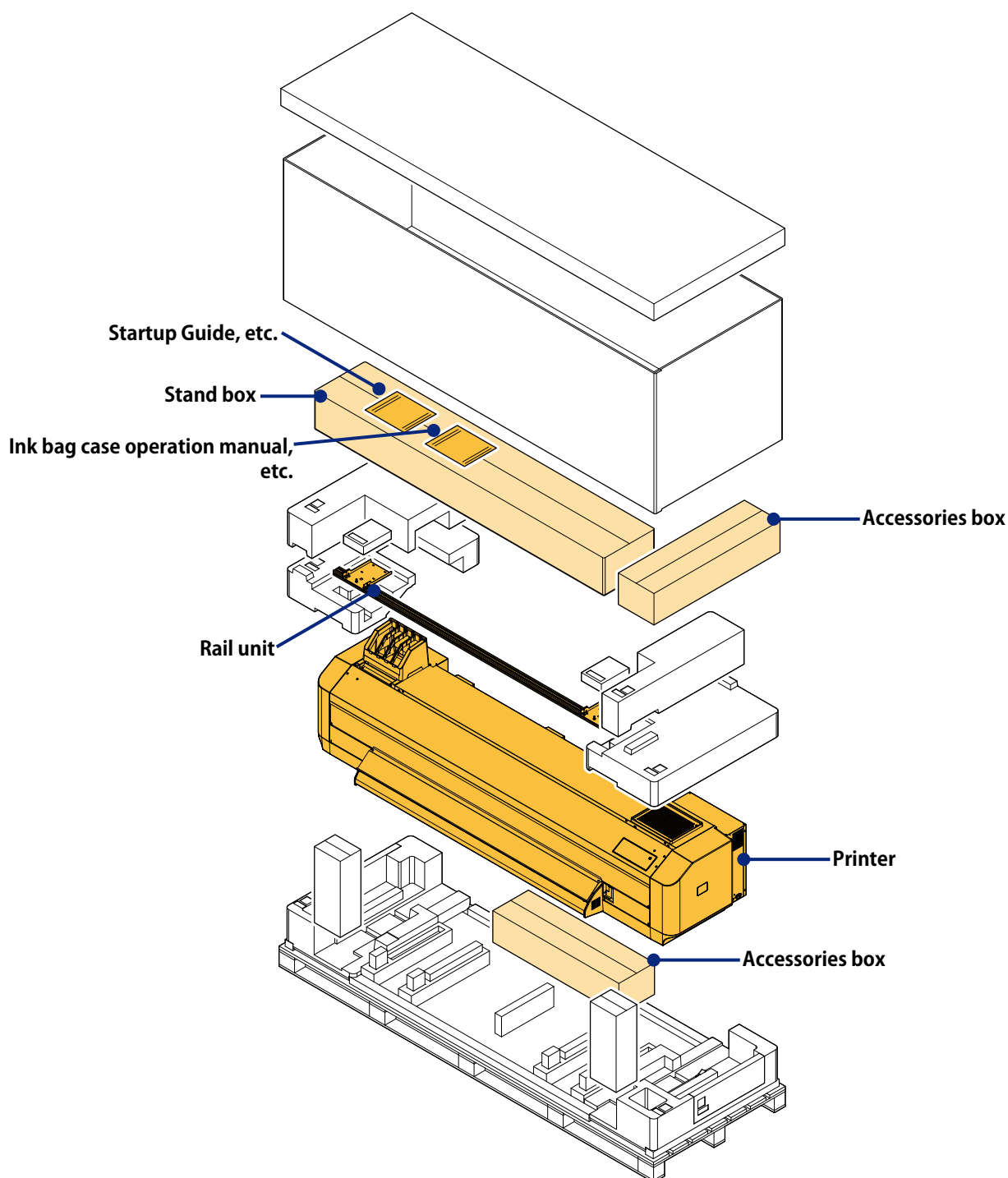
Unpacking the printer

Check that the following items are included in the box.

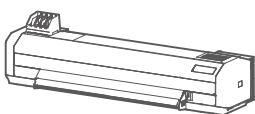
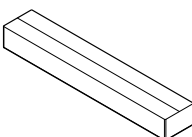
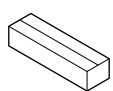
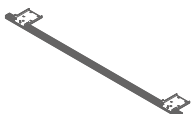







Caution

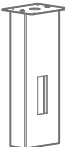

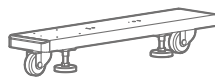

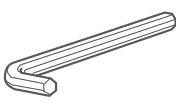



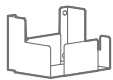
- At least four people are required for unpacking and moving the printer.
- Before taking out the printer from the packaging box, remove the plastic sheet wrapped around the printer first. Failure to do so may cause slip and damage to the product.
- Keep the printer level while moving.



Packing Contents

			
Printer: 1	Stand box: 1	Accessories box: 2	Rail unit (For take-up unit): 1
			
Startup Guide (this book): ja / en 1 each	Daily Maintenance Sheet : ja / en 1 each	Request for User Registration & Download : 1	Ink bag case Operation Manual: ja / en 1 each
			
Ink color label: 1			

Contents of Stand Box

			
Leg (Left): 1	Leg (Right): 1	Brace: 1	Foot: 2
			
Hex head bolt : 8	Spring washer: 8	Hex wrench: 1	Screw: 12
			
Fixing bracket: 2	Wing bolt: 8	Waste ink tank holder: 1	

Check before
installation

Unpacking

Assembling


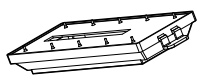
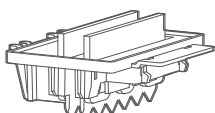

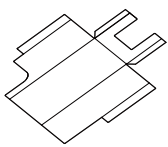







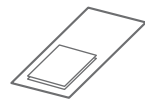
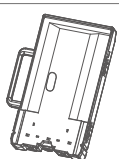
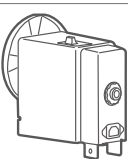

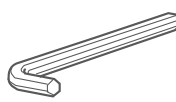


Connecting
the cables

Setup

Test Print

Installing MUTOH
Status Monitor

Contents of Accessories Box

			
Waste ink tank: 1	Waste ink valve case: 1	Flushing box: 1	Media flange: 2
			
Cleaning wiper: 3	Wiper pad: 3	Waste ink tank cover: 1	Cord clamp: 3
			
Cable tie: 1	Screw(M4x8): 2	Tweezers: 1	Tray: 1
			
Polyethylene gloves: 100	Rubber gloves: 100	Protective goggles: 1	Cleaning stick: 50
			
Plastic cup: 1	Dropper: 2	Paper towel: 5	VerteLith License
			
Ink bag case: 4	Driving unit (For take-up unit): 1	Driven unit (For take-up unit): 1	Wing bolt: 2
			
Hex head screw(M4x10): 8	Hex head screw(M4x16): 2	Hex wrench: 1	Rail cap: 2
			
3-inch paper core adapter: 2	Nut: 2	Cable clamp (insertion type): 3	Cable clamp (stick type): 2

Assembling

Assembling the stand



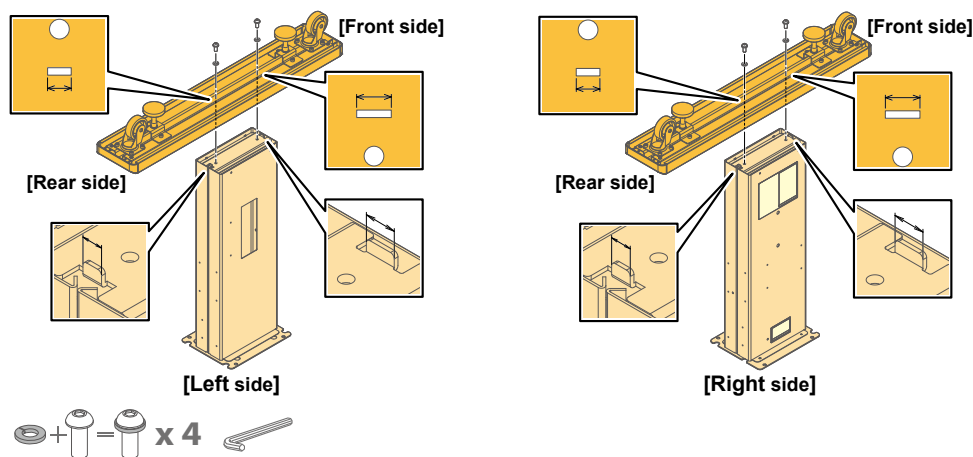
Caution

At least two people are required for this task.

Follow these steps to assemble the stand.

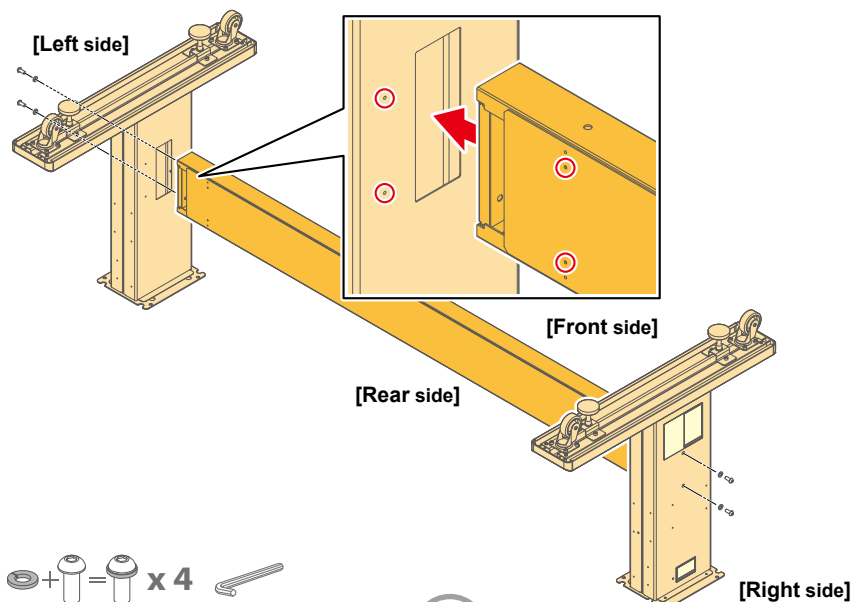
1 Attach the foot to the leg.

- Align the notch on the foot with the protrusion on the leg. The side with large notch and protrusion is on the front side.
- Secure with the hex head bolt with spring washer attached (x2 each).

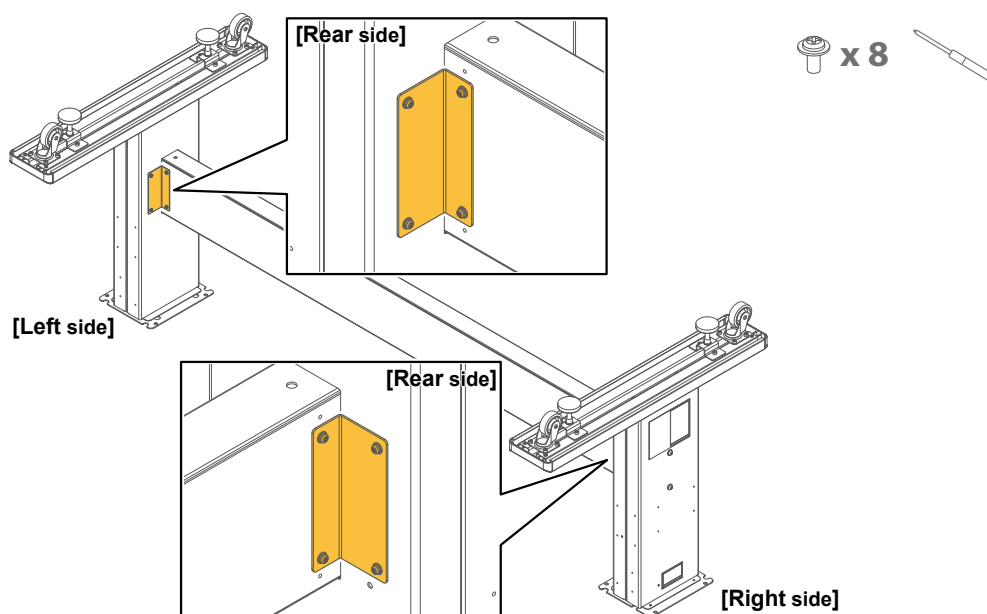


2 Attach the brace to the legs.

- The side with screw holes (marked with red circle) on the leg and brace is on the rear side. The leg with the Warning label attached is on the right side.
- Secure with the hex head bolt with spring washer attached (x2 each).

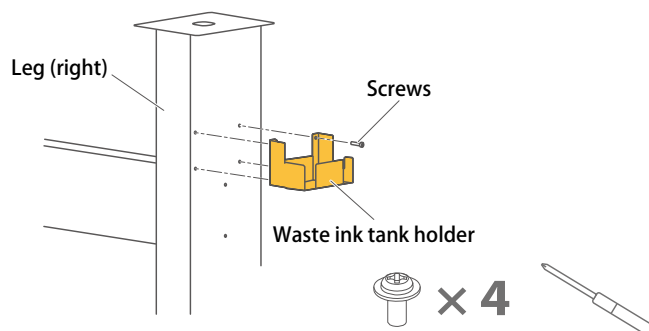


- 3** Secure the fixing brackets (x2) with screws (x4 each).



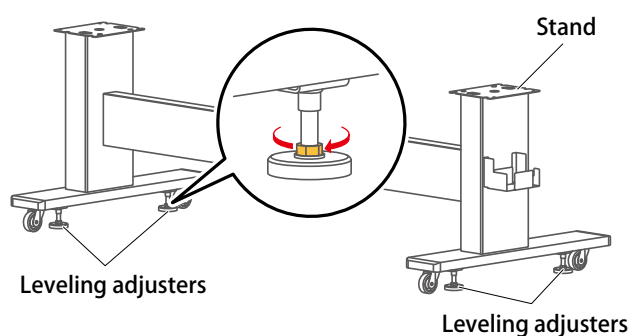
- 4** Flip the stand over to its upright position.

- 5** Use the screws (x4) to secure the waste ink tank holder to the leg (right).



- 6** Shake the stand to make sure that each part is firmly attached.

- 7** Turn the leveling adjusters (x4) to the direction shown in the illustration until the stand does not move.



Attaching the printer

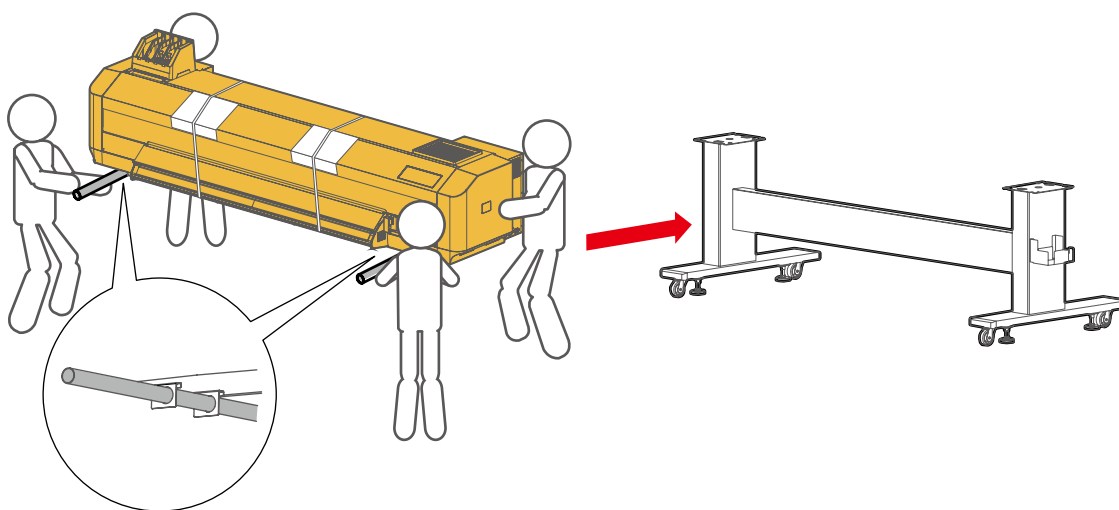


Caution

- At least four people are required for unpacking and moving the printer.
- Before taking out the printer from the packaging box, remove the plastic sheet wrapped around the printer first. Failure to do so may cause slip and damage to the product.
- Keep the printer level while moving.

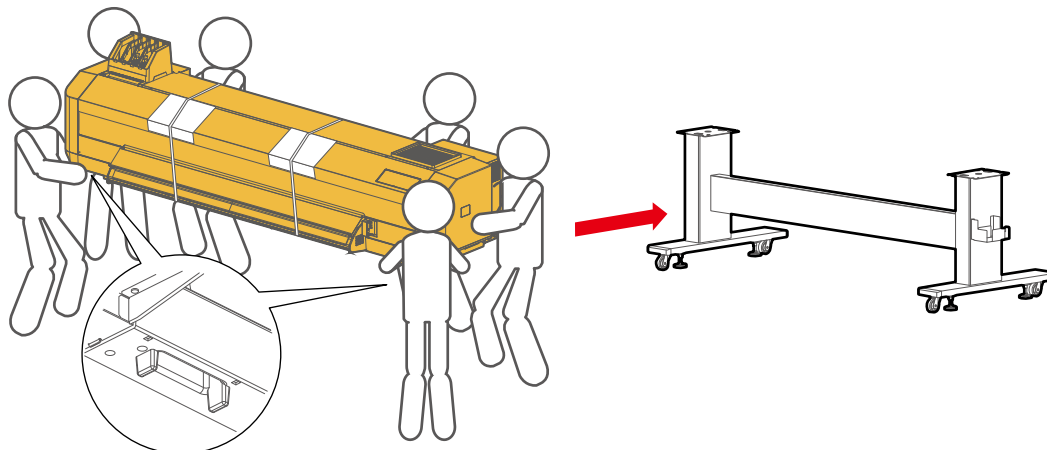
Follow these steps to attach the printer to the stand.

- 1** Lift the printer with at least four people and mount it on the stand.
 - Insert two lifting bars into the guide holes at the bottom left and right of the printer and lift the printer.



(If you do not have lifting bars) Lift the printer with at least six people and mount it on the stand.

- Hold the handholds at the front bottom of the printer.



Check before
installation

Unpacking

Assembling

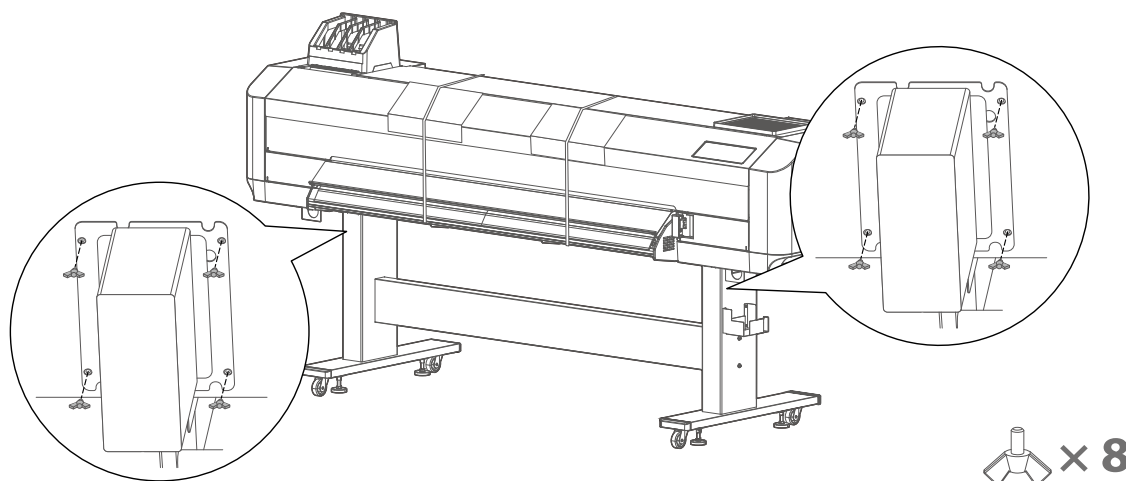
Connecting
the cables

Setup

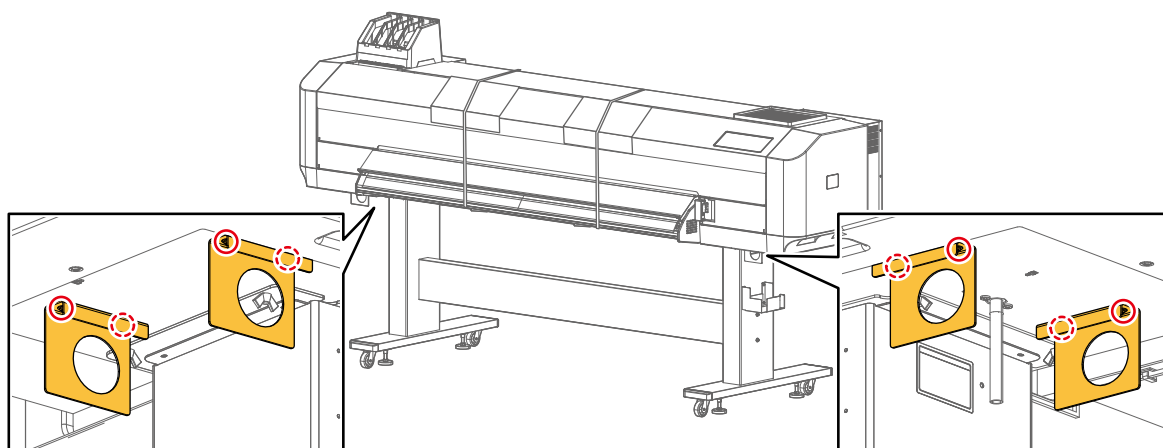
Test Print

Installing MUTOH
Status Monitor

- 2** Use the wing bolts (x4 each) to fix the stand to the printer.



- 3** Remove four guide plates for lifting bar (screw x2 on each plate).



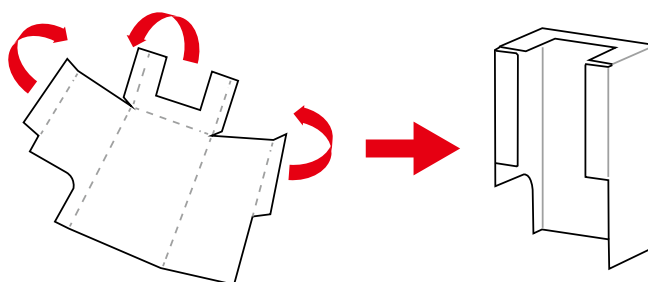
- 4** Plug the screw holes (x8) that the guide plates were attached.
- Use the screws that secured the guide plates to plug the holes.

Note

You will need the guide plates for relocating the printer. Please keep them for reuse.

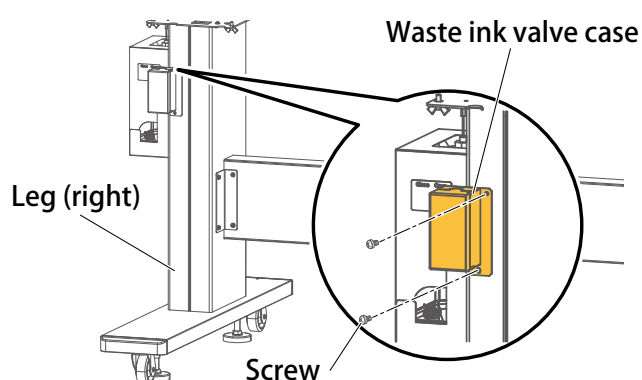
Attaching the waste ink tank

- 1** Assemble the waste ink tank cover.



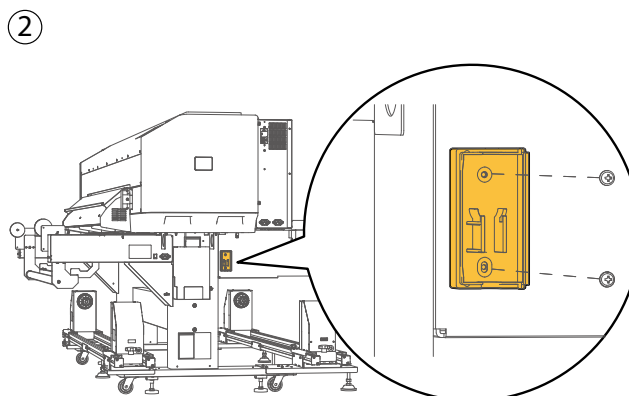
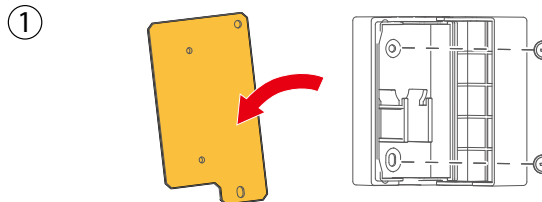
- 2** Attach the waste ink valve case to the stand.

- Use the supplied screws (x2) to fix the plate of the waste ink valve case to the leg (right).



When using the optional heavy-duty take-up unit

- ① Remove the plate from the waste ink valve case.
- ② Use the supplied screws (x2) to secure the waste ink valve case to the position shown in the illustration.



Note

Keep the plate and the screws removed from the waste ink valve case for next use.

- 3** Place the waste ink tank on the waste ink tank holder.

Check before
installation

Unpacking

Assembling

Connecting
the cables

Setup

Test Print

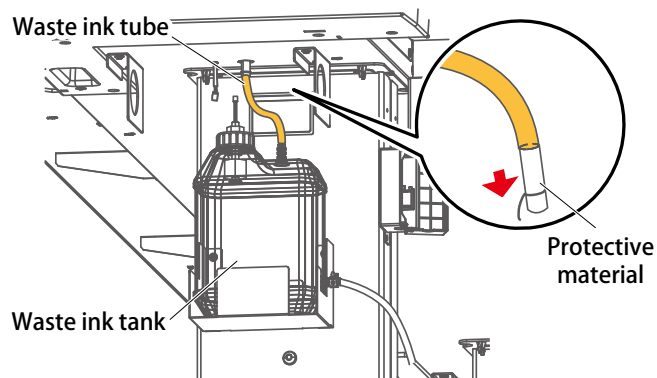
Installing MUTOH
Status Monitor

4 Insert the waste ink tube into the waste ink tank.

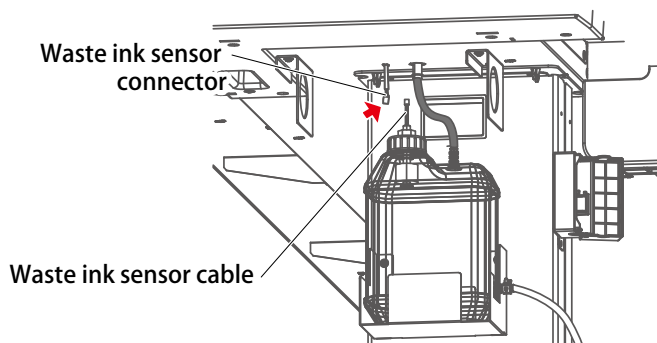
- Pull to remove the protective material and insert the tube into the mouth of the waste ink tank.

Important!

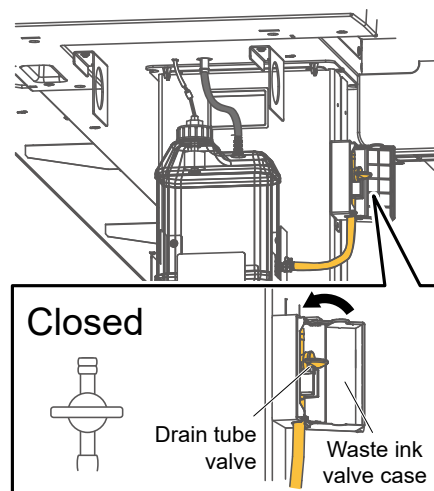
Check that the tube is firmly inserted in the mouth of the tank. Failure to do so could cause ink leakage.



5 Connect the waste ink sensor cable to the waste ink sensor connector.

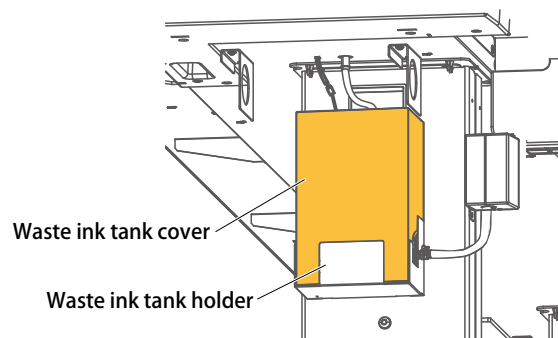


6 Check that the drain tube valve is in closed position, store it in the waste ink valve case and close the case cover.



7 Attach the waste ink tank cover to the waste ink tank.

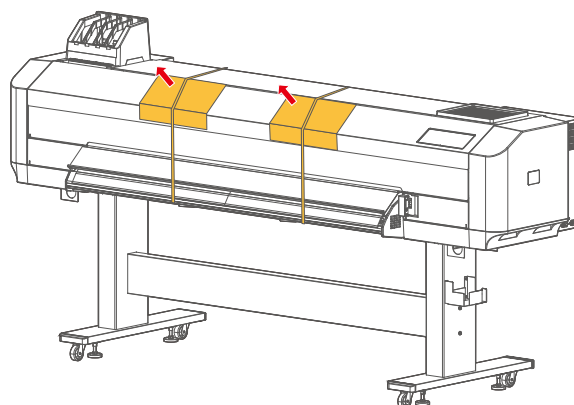
- Insert the waste ink tank cover inside the waste ink tank holder.



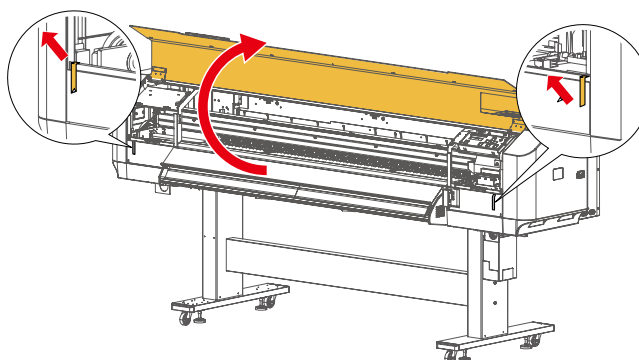
Removing protective materials

Follow these steps to remove protective materials from the printer.

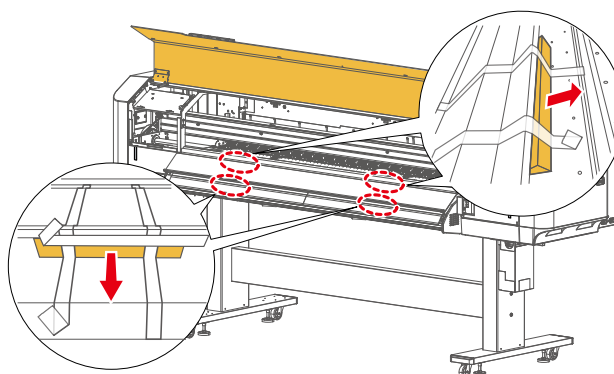
- 1 Remove the protective materials from the front cover.



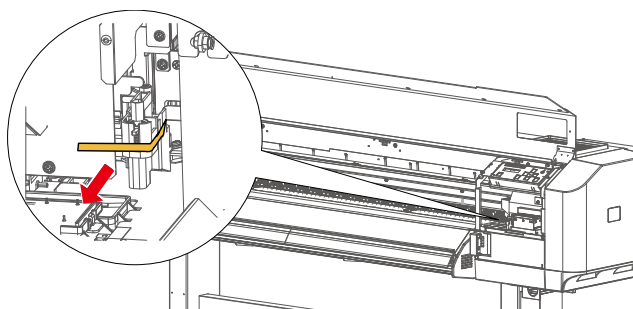
- 2 Open the front cover and remove the tape from the maintenance cover.



- 3 Remove the protective materials under the UV-LED light protective cover.
 - Remove the tape and pull out the protective material.
 - Four protective materials are attached, two on the upper side of the cover, two on the lower side of the cover.



- 4 Remove the tape from the cutter cap.

Check before
installation

Unpacking

Assembling

Connecting
the cables

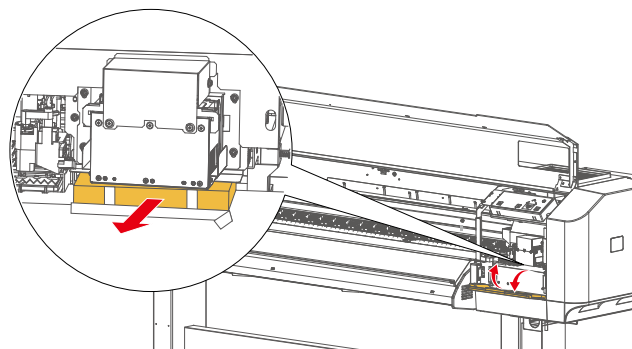
Setup

Test Print

Installing MUTOH
Status Monitor

5 Remove the protective material under the carriage.

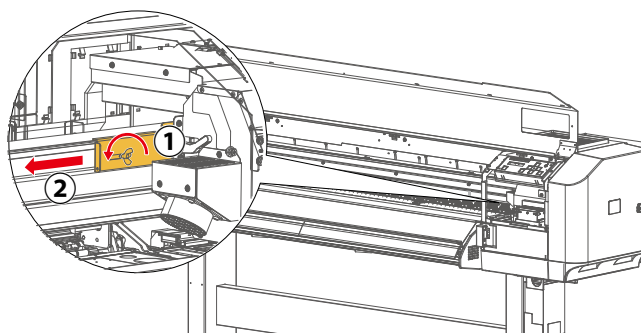
1. Open the maintenance cover on the right side.
2. Remove the tape and slower pull out the protective material under the carriage.
3. Close the maintenance cover.



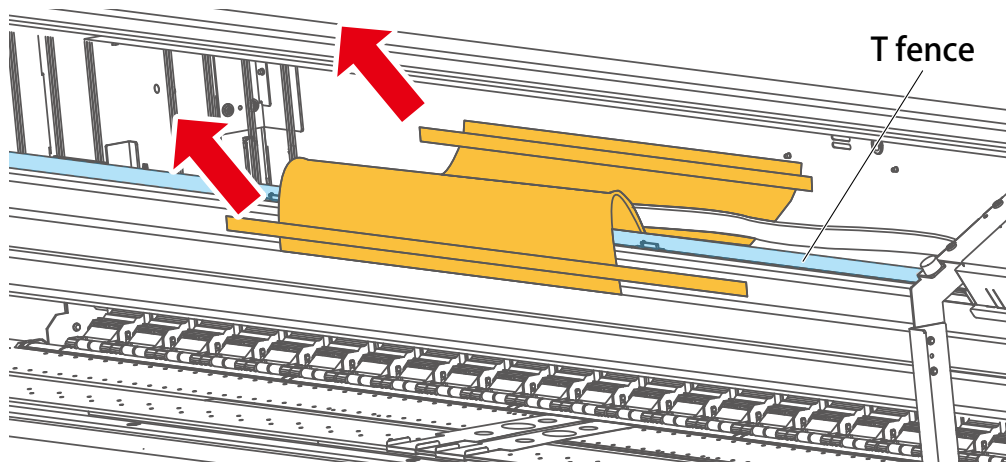
6 Loosen the wing bolt (①). Remove the shipping bracket (the part that the red vinyl tie is attached) together with the wing bolt from the carriage (②).

Important !

You will need the shipping bracket and the wing bolt removed from the carriage for transporting. Please keep them for reuse.



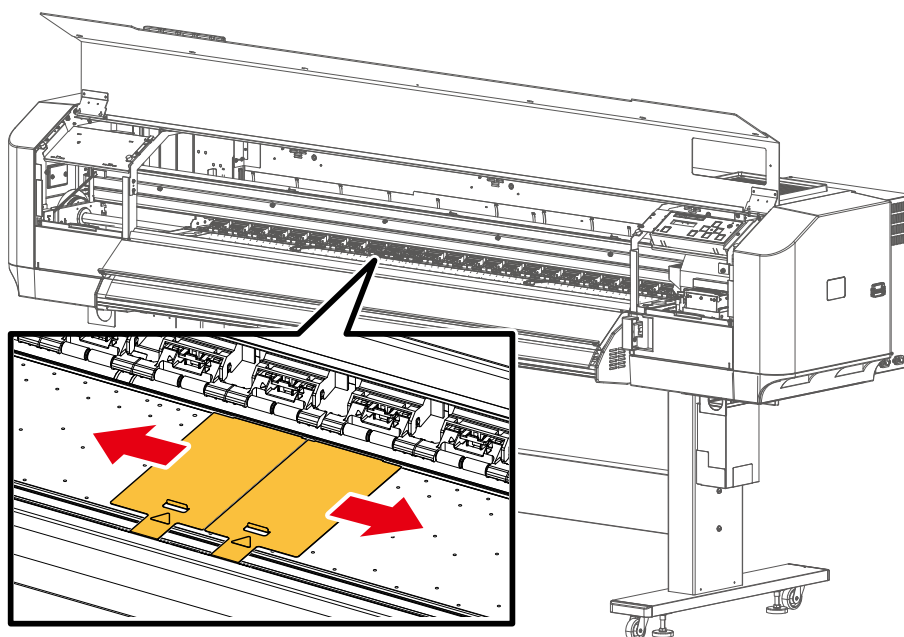
7 Remove the tapes to remove the protective materials attached inside the front cover.



Important !

Do not touch the T fence (clear parts) when removing the protective material. Deformation of T fence will affect print quality.

- 8** Remove the tapes and move the edge holders to the left and right end of the printer.



- 9** Remove all the tapes attached to the printer.

Check before
installation

Unpacking

Assembling

Connecting
the cables

Setup

Test Print

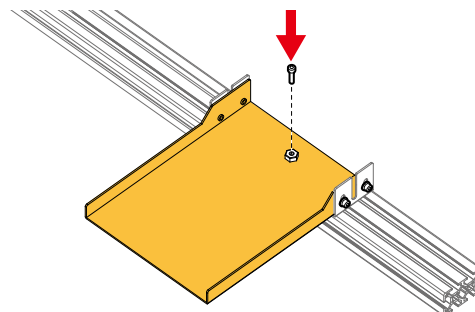
Installing MUTOH
Status Monitor

Attaching the take-up unit

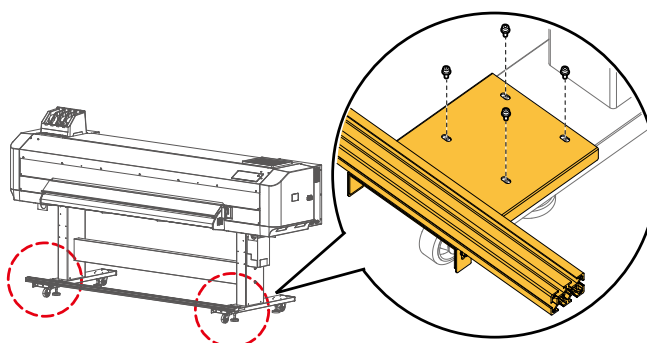
1. Assembling Take-up unit

Follow these steps to assemble it.

- 1 Attach one hex bolt (M4x16) to the rail base. Use your hand to tighten the bolt until it stops.
 - Do the same for other side.



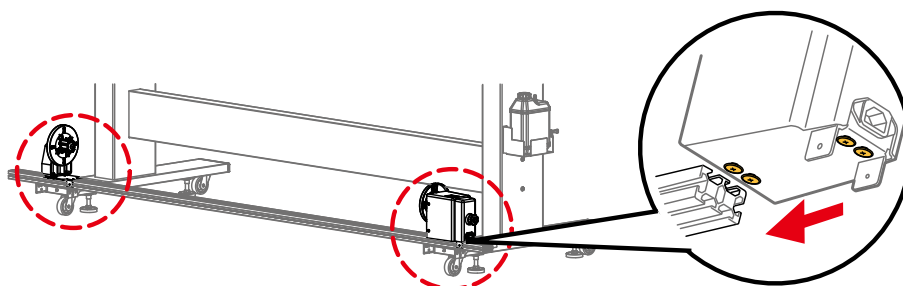
- 2 Place the rail on the front side of the stand foot and secure the rail with eight hex bolts (M4x10) using the supplied hex wrench.



Important!

The side with the rail base attached is the bottom side.

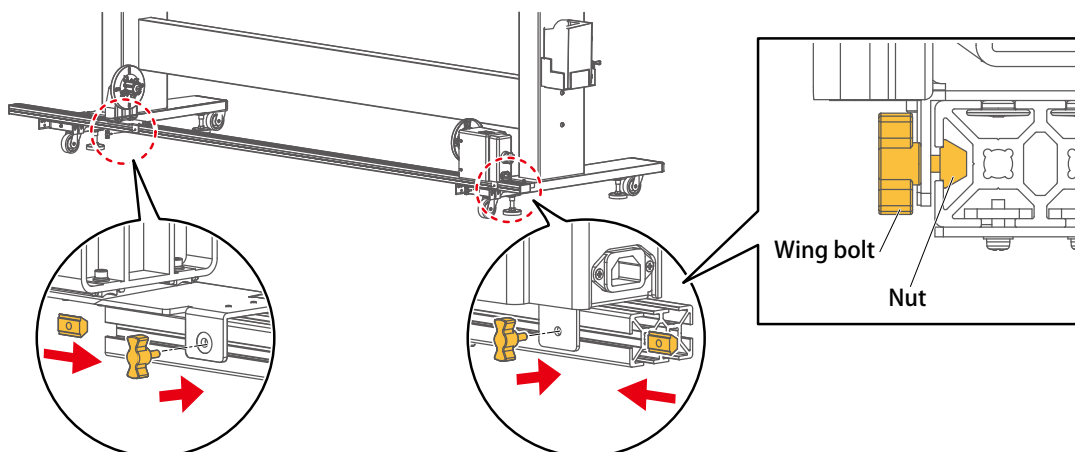
- 3 Insert the screw heads attached to the bottom of the driving unit and the driven unit into the groove on the side of the rail and slide the units.



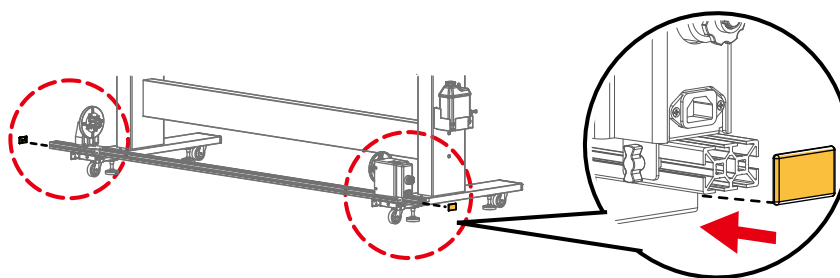
Important!

When looking from the front of the printer, attach the driving unit to the right side of the printer and the driven unit to the left side of the printer.

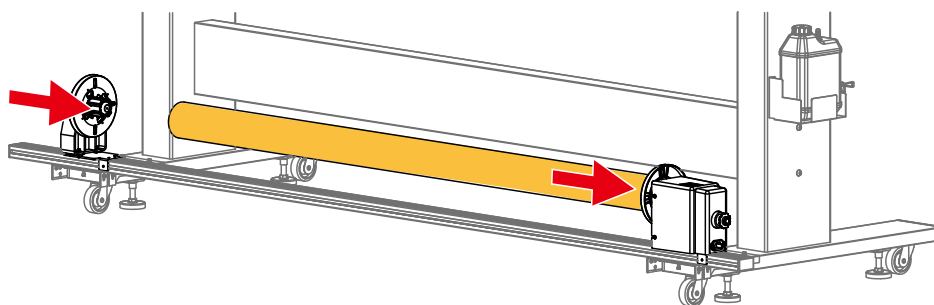
- 4** Insert the nuts into the groove on the side of the rail.
Use the nuts and the wing bolts to secure the driving unit and the driven unit to the rail.



- 5** Attach the rail caps on both edges of the rail.



- 6** Attach the paper core to the take-up unit.



Note

A paper core is not included in the take-up unit box.

- 7** Next, you will connect the cable for the take-up unit to the printer.

Check before
installation

Unpacking

Assembling

Connecting
the cables

Setup

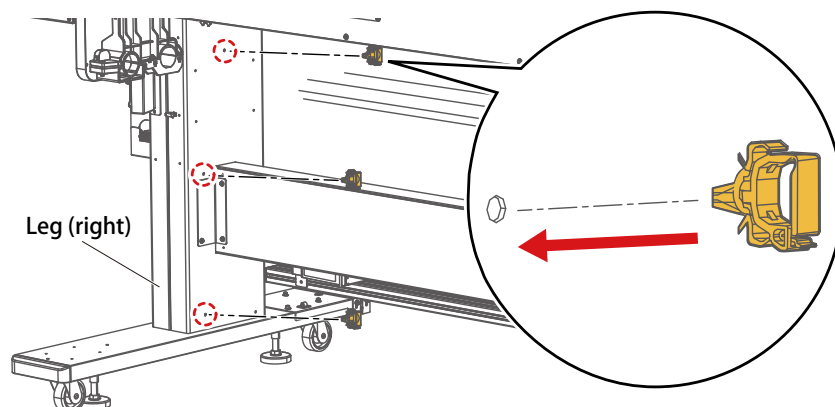
Test Print

Installing MUTOH
Status Monitor

2. Connecting the cable for take-up unit

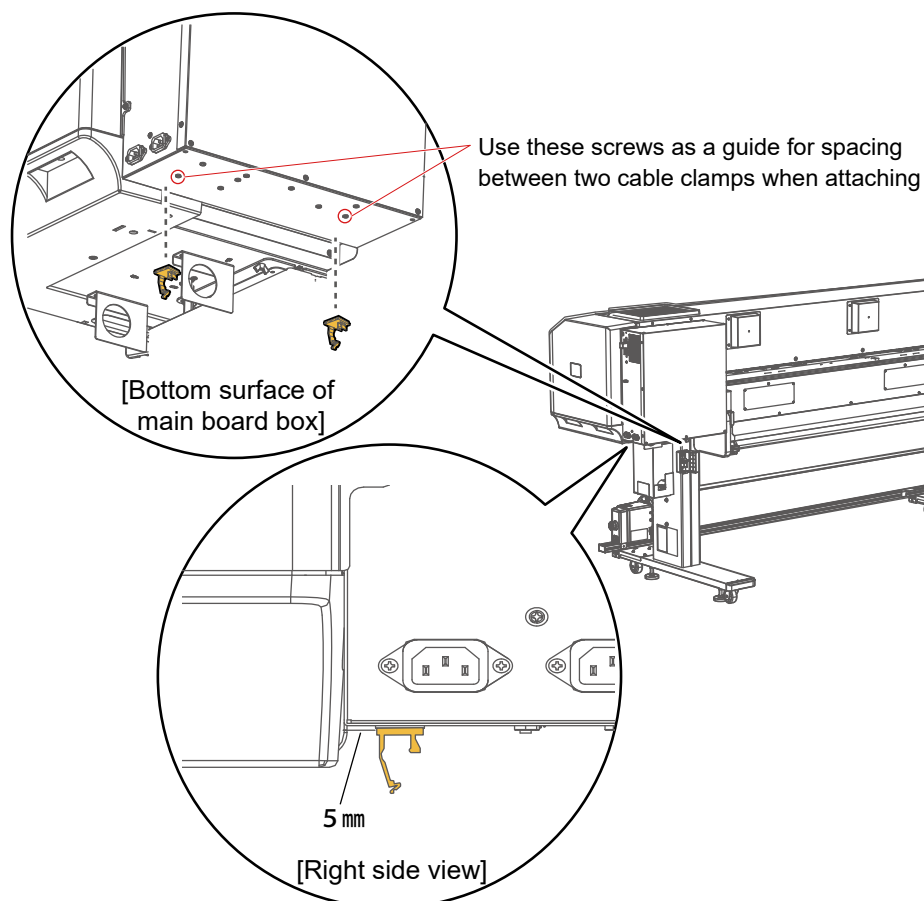
Follow these steps to connect the cable for the take-up unit to the printer.

- 1 Attach three cable clamps (insertion type) to the leg (right).



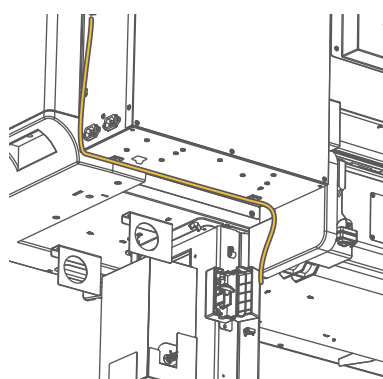
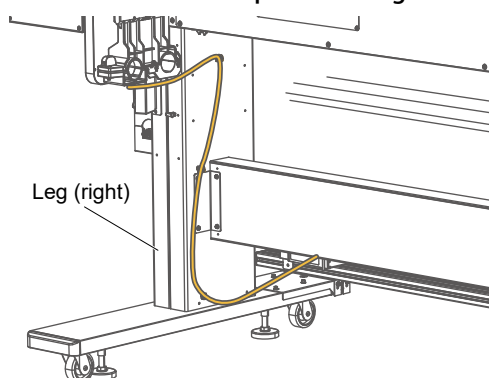
- 2 Check the area you will stick two cable clamps.

- The clamp may drop off if oil or other residue remains on the area. Use industrial alcohol to wipe off thoroughly beforehand.



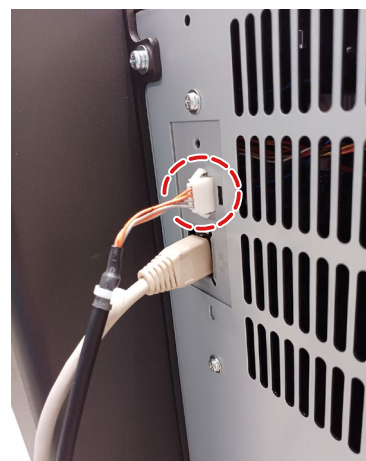
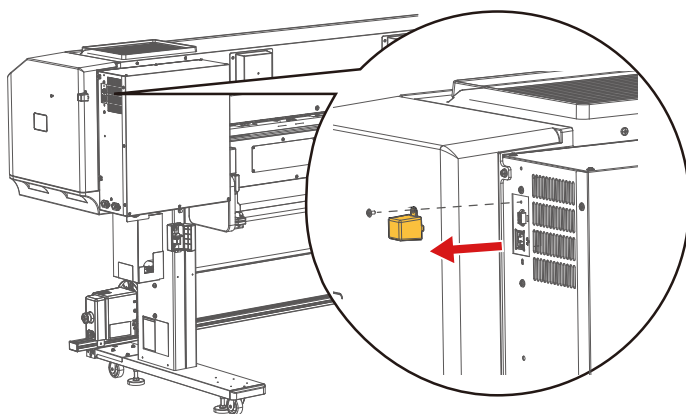
- 3 Stick two cable clamps (stick type) to the bottom of the main board box (at the position shown in the illustration).

- 4** Pass the cable for the take-up unit through the cable clamps (x5).



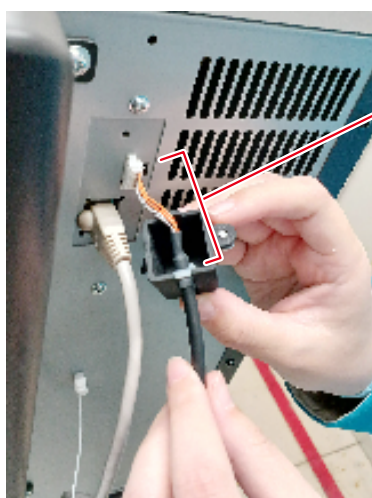
[Bottom surface of main board box]

- 5** Remove the connector case from the printer and connect the cable connector to the printer.



- 6** Attach the connector case removed in the step 4 to the printer.

- Put the tip of the cable (from the cable connector to the part tied with cable tie) in the case.
- Cover the connector with the case and secure with screw.



Make sure the part tied with the cable tie is in the connector case.



Check before
installation

Unpacking

Assembling

Connecting
the cables

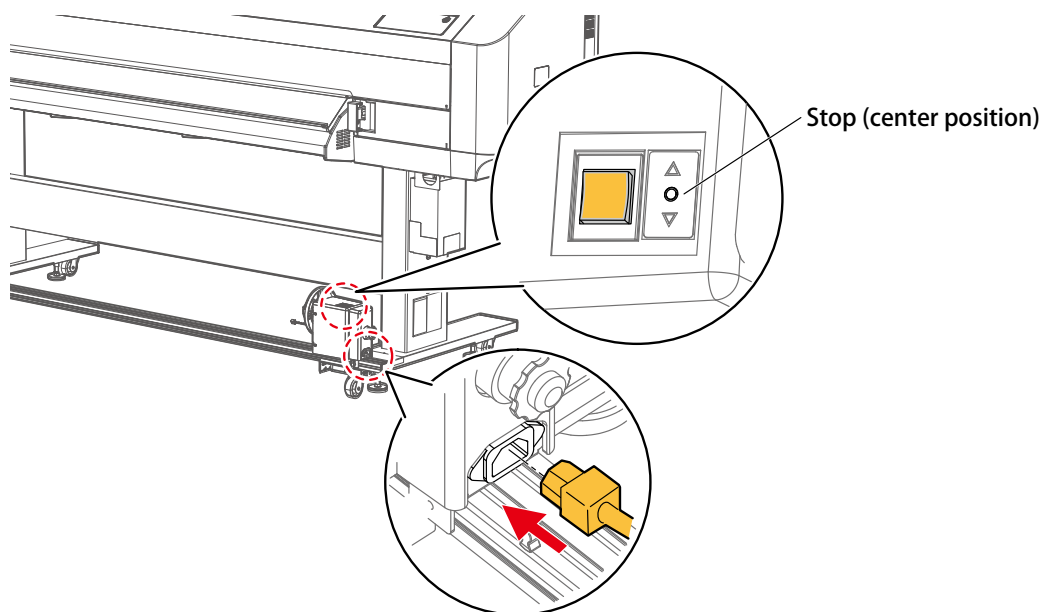
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7

Check that the operation switch is in the center position (stop). Connect the power cord to the take-up unit.

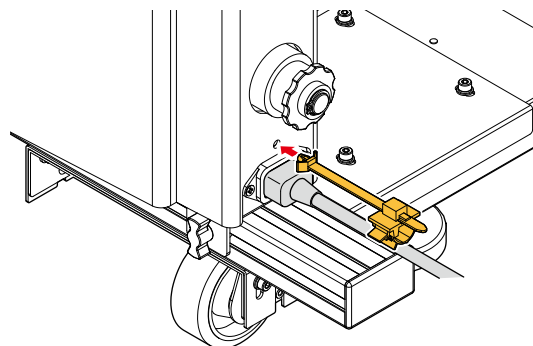


Note

A power cord is not included in the take-up unit box. Please purchase the optional power cord.

8

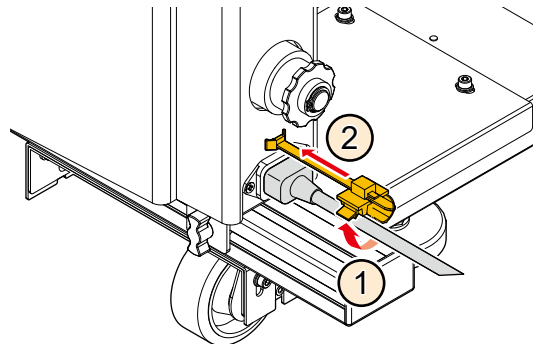
Attach the cord clamp to the take-up unit.



9

Secure the power cord to the cord clamp.

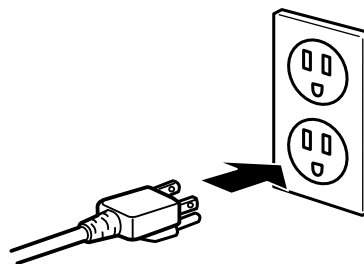
1. Pass the power cord through the clamp and clamp until it clicks into place.
2. Slide the clamp toward the inlet.



- 10 Connect the power plug to the outlet.

**Warning**

- Do not use power strips.



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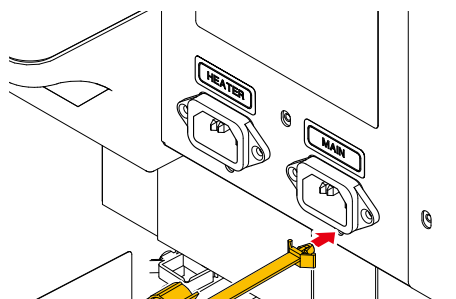


Warning

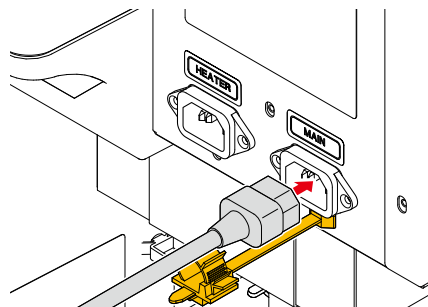
Make sure to plug two power cords into the wall outlets with the same voltage.
Failure to do so may cause damage to the electrical circuit.

Connecting the printer and power cord

- 1 Check the front cover is closed.
- 2 Attach the cord clamp to the printer.



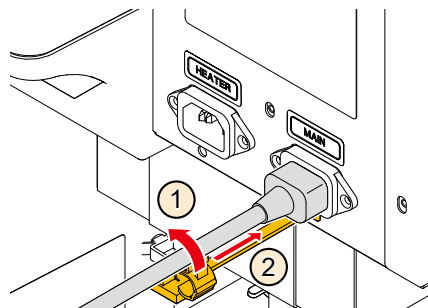
- 3 Connect the power cord to the printer inlet.



- 4 Secure the power cord to the cord clamp.
 1. Pass the power cord through the clamp and clamp until it clicks into place.
 2. Slide the clamp toward the inlet.

Note

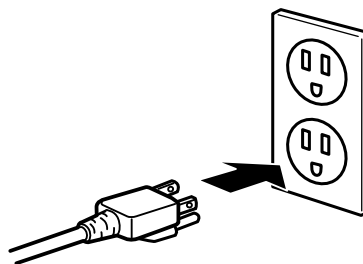
Connect the power cord for the heater in the same way.



5 Connect the power plug to the outlet.

**Warning**

- Do not use power strips.



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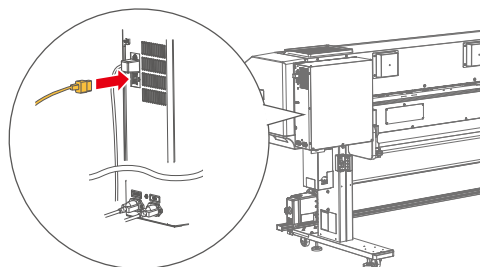
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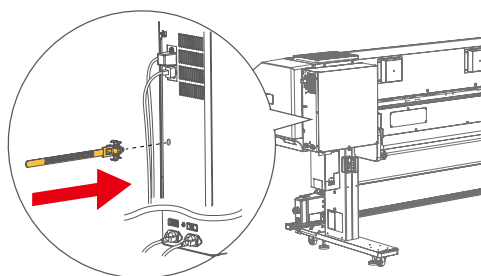
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Connecting the Ethernet cable

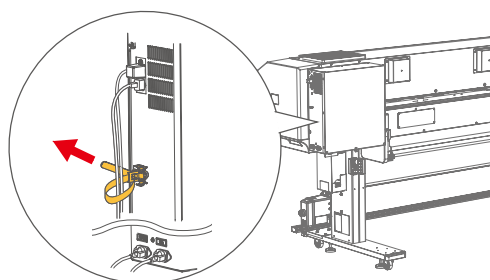
- 1 Connect the Ethernet cable to the printer.



- 2 Attach the cable tie to the printer.



- 3 Secure the Ethernet cable and the Take-up unit cable to the printer with a cable tie.



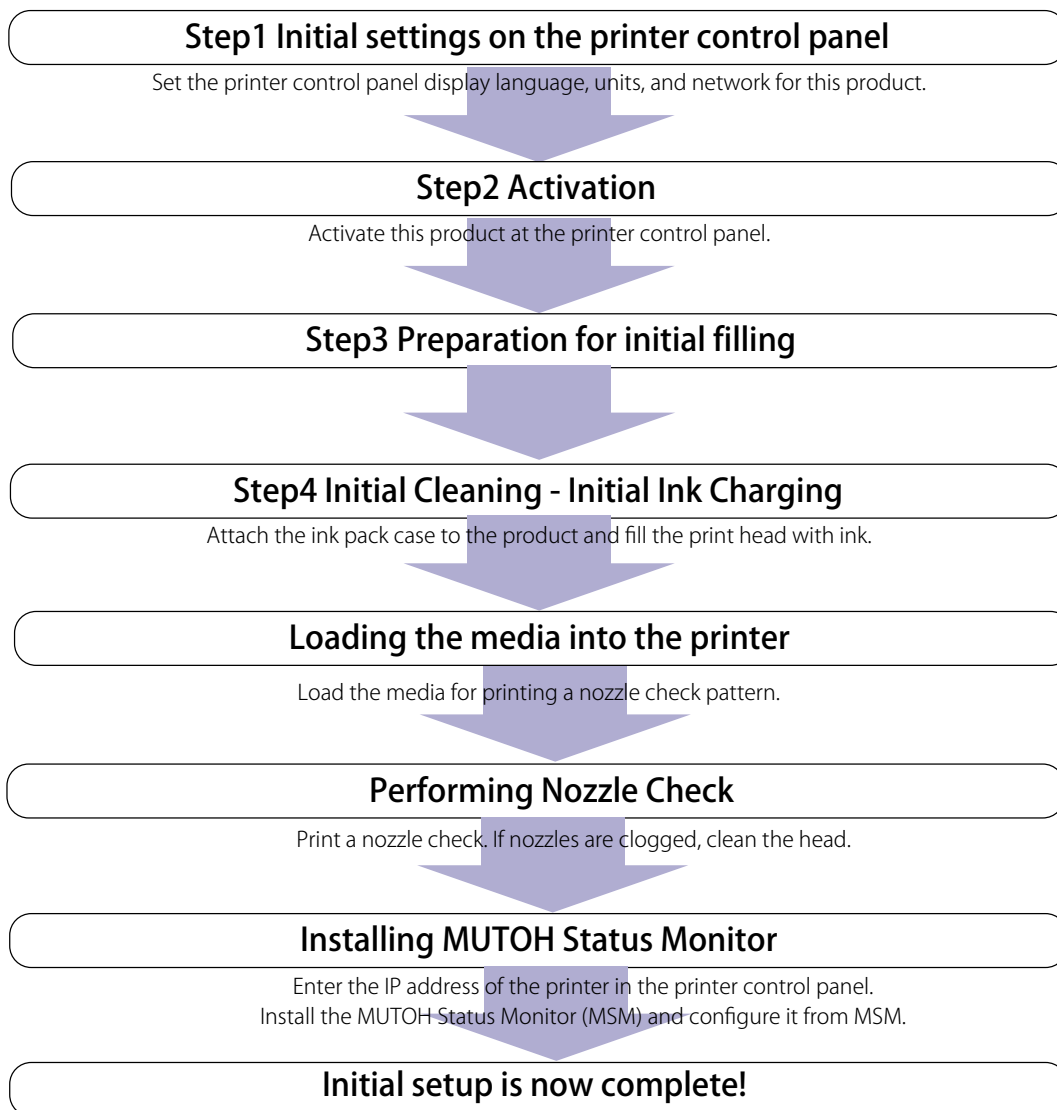
Warning

This printer uses multiple power cords. To unplug from the wall outlet, make sure to unplug all of them. Electric shock hazard.

Setup

Initial Setup Flow

Here is how to get started with your printer.



How to use the printer control panel

The active keys are lit up on the panel for guidance.

- Tap: Lightly touch the key and immediately release your finger.
- Long-touch: Keep touching the key.

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Step1 Initial settings on the printer control panel

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

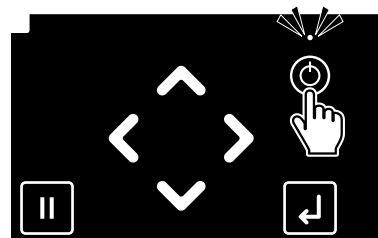
- 1 Check the front cover is closed.

- 2 Long press the power button on the control panel.

- The power LED (above the Power button) and each key light up.
- The printer initialization begins.

Note

- Once the power LED lights up, release the power button.
- The take-up unit rotates during initial operation.



- 3 Select the language to be displayed on the control panel.

- "Language: English" will be displayed.
- Use / to select the language and tap (Enter).

- 4 Select the unit of temperature.

- "Temperature: Celsius[° C]" will be displayed.
- Use / to select the unit of temperature and tap (Enter).

- 5 Select the unit of length.

- "Length: mm" will be displayed.
- Use / to select the unit of length and tap (Enter).

- 6 Assign the IP address of the printer.

- / : increase or decrease numbers.
- : move the cursor to the previous digit number.
- : move the cursor to the next digit number.





Tap (Enter) after entering each digit.


- 7 Assign the subnet mask of the printer.

- / : increase or decrease numbers.
- : move the cursor to the previous digit number.
- : move the cursor to the next digit number.

Enter all the digits. Tap (Enter) after entering each digit.

8 Assign the gateway of the printer.

-  /  : increase or decrease numbers.
-  : move the cursor to the previous digit number.
-  : move the cursor to the next digit number.

Enter all the digits. Tap  (Enter) after entering each digit.

9 Printer initialization begins.Check before
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Step2 Activation

Follow the steps below to perform activation.


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

☞ "Activation from the printer control panel" P.46


☞ "Activation through Internet" P.46

Activation required

Note





While "Activation required" is displayed, you can redo the initial settings (e.g. IP Address etc.) by tap  (Home).

Activation from the printer control panel

1 "Activation required" appears, tap  (Enter).

- "0000-0000-0000-0000" will be displayed.

2 Enter the 16-digit activation code.

-  / : increase or decrease numbers.
- : move the cursor to the previous digit number.
- : move the cursor to the next digit number.

Tap  (Enter) after entering each digit.

Note

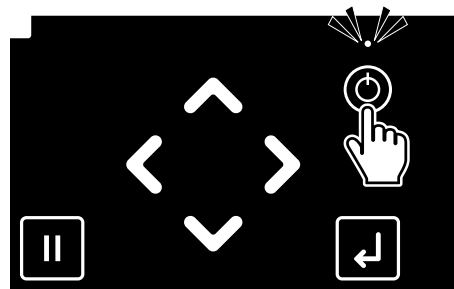
To obtain the activation code, please contact your local MUTOH dealer to send it by email.

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

- "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 Succeeded
Reboot Printer



Activation through Internet

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

Activation required

Note

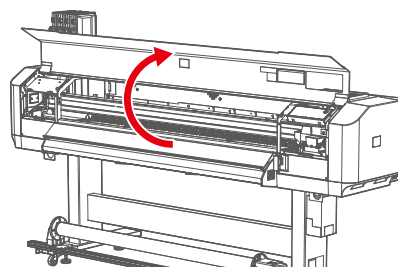
To obtain the activation code and the Printer Activation Guide, access to MUTOH Club from the following URL and click "Registration" to complete the user registration.

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

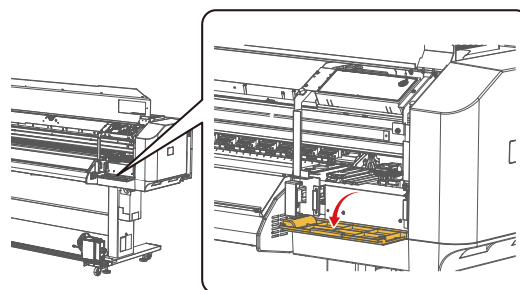
Step3 Preparation for initial filling

Fill maintenance cleaner

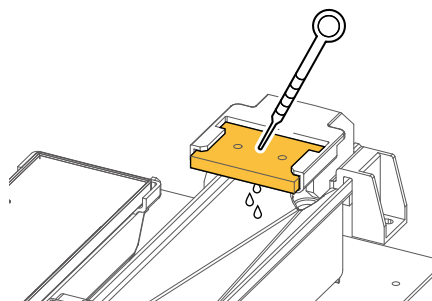
- 1 Open the front cover.



- 2 Open the right side maintenance cover.



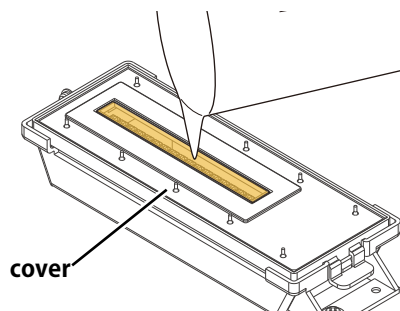
- 3 Fill the wiper pad with maintenance cleaner.
 - Drop maintenance cleaner until the entire pad is wet and dripping in the tray under the pad (Use about 10 ml).




- 4 Fill 20 ml of maintenance cleaner into the flushing box.

Important!

If the maintenance cleaner is spilled on the cover of the flushing box, clean it with a paper towel to avoid splash by a fan.



- 5 Close the maintenance cover and then the front cover.

- 6 Tap  (Enter).
 - The carriage returns to the home position.

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Step4 Initial Cleaning - Initial Ink Charging


Items Required:

- Cleaning bag: x4
- Ink bag: x4 (Black, Cyan, Magenta, Yellow)
- Ink bag case: x4


Important !

- Use new cleaning and ink bags.
- When performing initial cleaning and initial ink charging, make sure that the head height is set to "Low" (factory default).

1. Performing initial cleaning

- 1 When "Ink Charge Start ->Enter" appears, tap  (Enter).

Note

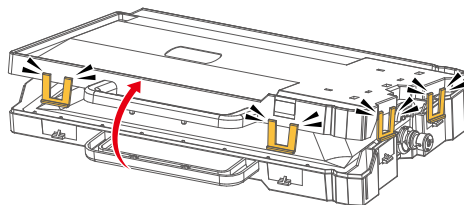
While "Ink Charge Start ->Enter" is displayed, you can redo the initial settings (e.g. IP Address etc.) by tap  (Home).

- "Remove Bags" appears, remove all the ink bags and smartchip cards.
- "Washing Head" appears, the printer will begin initial cleaning.
- "Insert Cleaning Bags" will be displayed.

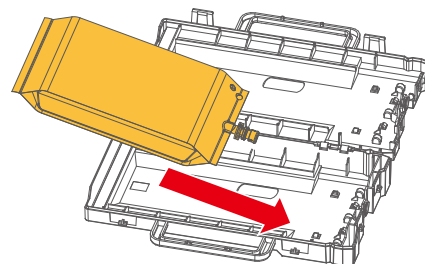
- 2 Unlock four latches and open the ink bag case.

Important !

Do not apply excessive force when unlocking the latch. This will cause damage to the latch.



- 3 Put the cleaning bag into the ink bag case.



- 4 • Close the ink bag case.

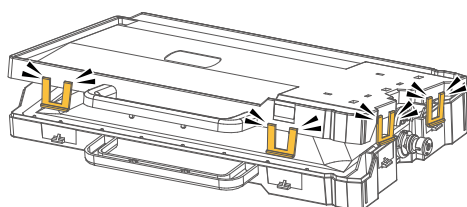
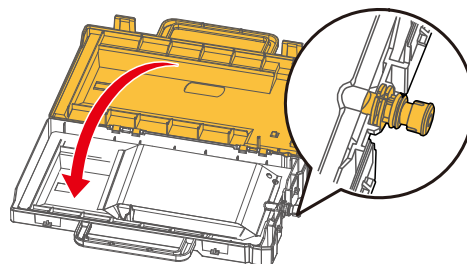
Important!

Make sure that the spout of the cleaning bag is properly fitted into the groove in the case. If not fitted, the printer cannot correctly detect the cleaning bag.

- Close the latches (x4) of the case properly.

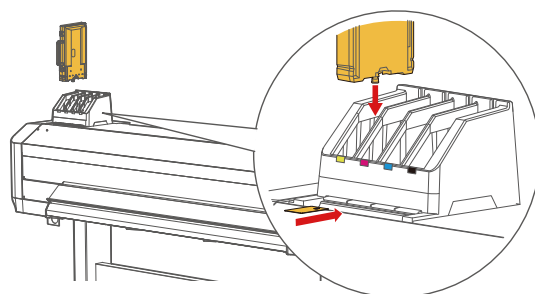
Important!

Check that all the latches (x4) are closed. If not, it may cause cleaner spillage.



- 5 Insert the ink bag cases and smart chip cards into each slot.

- Face the latch side towards you and insert the case into the slot.
- Make sure that they are fully inserted.



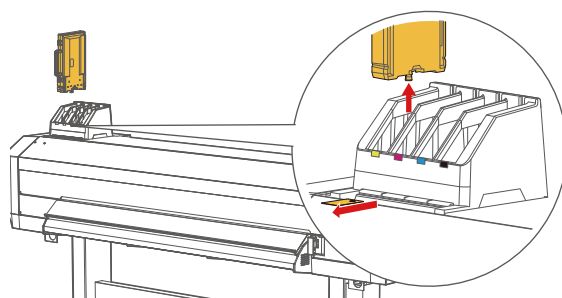
- 6 "Washing Head" appears, the printer begins filling the ink lines with cleaner.

- 7 Once the printer is filled with the cleaner, "Remove Bags" will be displayed.

- 8 Remove the ink bag cases and smartchip cards from the slots.

- Store the cleaning bag with the corresponding the smartchip card.

"Washing Head" appears, the printer will begins flushing cleaner out of the printer.



- 9 "Insert Cleaning Bags" appears, repeat steps 5 - 8.

2. Emptying waste ink tank



Warning



- Store waste fluids in a cool, dark place and avoid direct sunlight.

- Keep away from fire and heat.

- Use a HDPE container with light blocking properties to store waste fluid.



- When storing waste fluid for a long time, slightly loosen the cap on the container to allow air. Do not tightly close it.

- Do not mix waste fluid with any other chemical substances, not even in small amounts. When mixed with other chemicals (e.g. oxidants), heating may occur.



Caution



- Skin or eye contact with 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 or waste fluid from contacting with your eyes or skin.

1

Once the cleaner has been flushed, the message on the right will be displayed.

**Empty Waste Ink Tank
then Tap Enter**

2

Prepare a container to collect waste fluid.



Important!

The capacity of waste ink tank is 2,000 ml. Make sure to prepare a container that has enough capacity to collect waste fluid.

3

Cover the floor under the waste ink tank with waste paper or cloth.

4

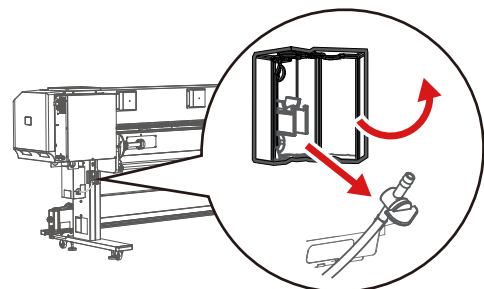
Wear protective equipment.

1. Wear rubber gloves over polyethylene gloves.
2. Wear protective goggles.



5

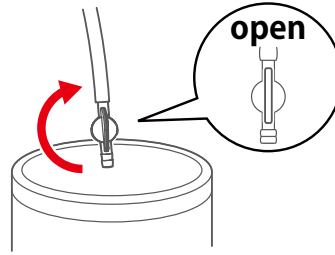
Open the cover of the waste ink valve case, and then take the drain tube valve out from the case.



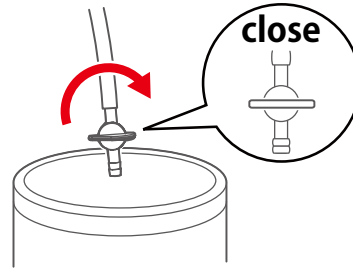
- 6 Put the tip of the drain tube valve in the empty container and open the valve to drain waste fluid from the waste ink tank.

Important!

Waste fluid may splash while draining from the waste ink tank. Make sure to put the tip of the drain tube valve in the empty container and start draining.

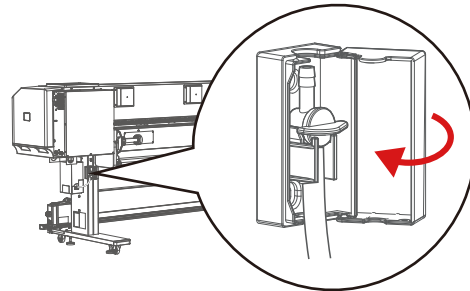



- 7 Once you finish emptying the tank, close the drain tube valve firmly.




- 8 Use a dry cloth to clean the tip of the valve.

- 9 Hook the drain tube valve on the clamp of the waste ink valve case, then close the cover.



- 10 Once emptying the tank, tap  (Enter).

- 11 Choose whether or not to flush the ink lines again and tap  (Enter).

Wash Retry?

No

Wash Retry?

Yes



Warning



- Waste fluids fall under the category of waste oil (waste ink) in industrial waste. 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 it to reach sewage or natural water systems.

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3. Performing initial ink charging

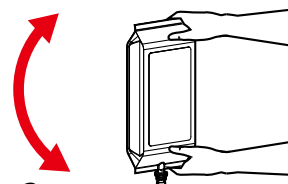
- 1 The message on the right will be displayed.

Insert Ink Bags

- 2 Prepare the new ink bag and follow the instructions below to agitate ink in the ink bag.

- Hold the ink bag with the ink outlet facing up and wait for three seconds.
- Invert it with the ink outlet facing down and wait for three seconds.
- Repeat this three times.

3 sec.



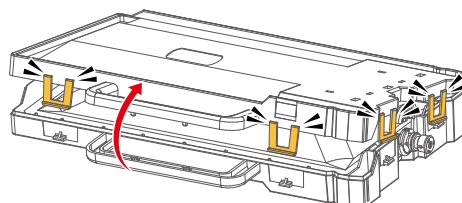
3 sec.



- 3 Unlock four latches and open the ink bag case.

Important!

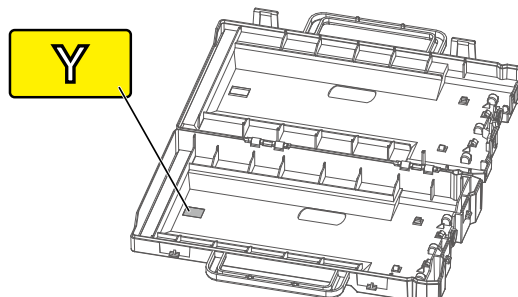
- Do not apply excessive force when unlocking the latch. This will cause damage to the latch.



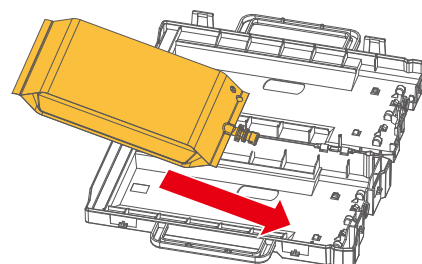
- 4 Open the ink bag case and apply an ink color label onto the inside of the case.

Note

- The ink color label is included in the Accessories Box 1.
- The label should be applied in the label application area (within the recess on the inside of the case) as shown in the illustration.

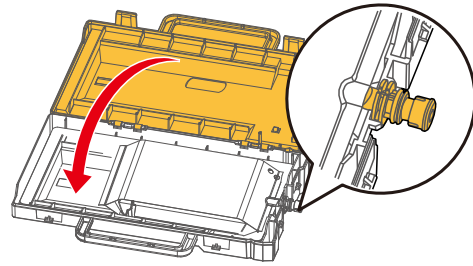


- 5 Put the ink bag into the ink bag case.



6 Close the ink bag case.**Important!**

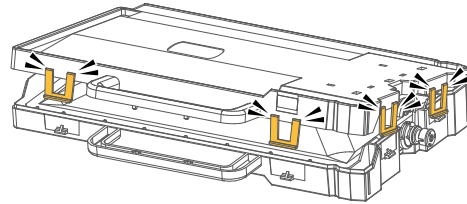
Make sure that the spout of the ink bag is properly fitted into the groove in the case. If not fitted, the printer cannot correctly detect the ink bag.



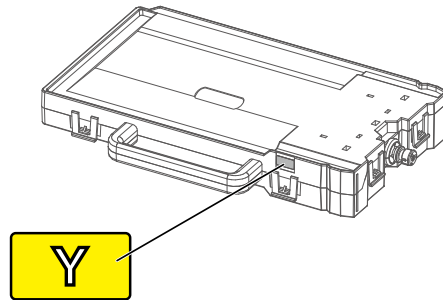
Close the latches (x4) of the case properly.

Important!

Check that all the latches (x4) are closed. If not, it may cause ink spillage.

**7** Apply an ink color label onto the outside of the case.**Note**

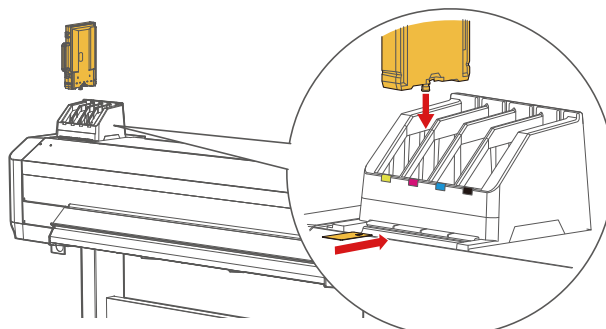
- The label should be applied in the label application area (within the recess on the outside of the case) as shown in the illustration.
- Make sure to match the color of the label with the one applied onto the inside of the case.



8

Insert the ink bag cases and smart chip cards into each slot.

- Make sure to match the colored label on the ink slot and the colored label on the ink bag.
- Face the latch side towards you and insert the case into the slot.
- Make sure that they are fully inserted.

**"Ink Refill **%" will be displayed.**

- The printer starts the initial ink charging.

**Caution****Do not attempt the following actions during ink charging:**

- Turn off the printer.
- Unplug the power cord of the printer.
- Open the front cover or maintenance cover.
- Raise the pressure rollers.
- Move the printer.

9

Once the ink has been filled, the message on the right will be displayed.

No Media
PG: Low

Test Print

Loading the media into the printer

Important!

Depending on the size of media, two or more people are required.

Follow these steps to load the media into the printer.

1. Attach the flange to the media

Items Required:

- Media: 1 piece
- Media flange: 2 pieces

1 Replace the flange adapter depending on the size of paper core of roll media.

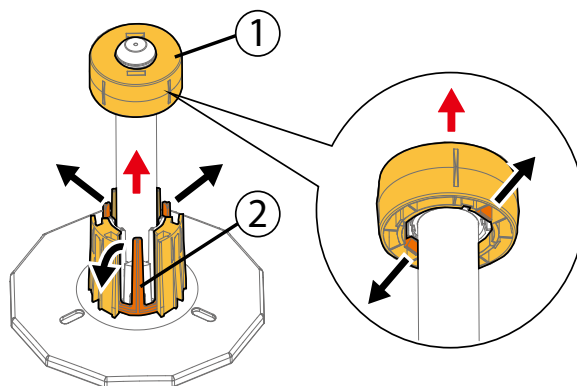
■ When using media with a paper core inner diameter of 2 inches:

Remove the 3-inch adapter from the media flange.

- ① : Pull two tabs on the adapter outward, then remove it from the flange.
- ② : Pull three tabs on the adapter outward, then remove it from the flange.

Note

- If ② adaptor cannot be removed, turn the handle on the flange anticlockwise to loose (see Step 2), then remove it.
- If you are using 3-inch core roll media, skip this step.



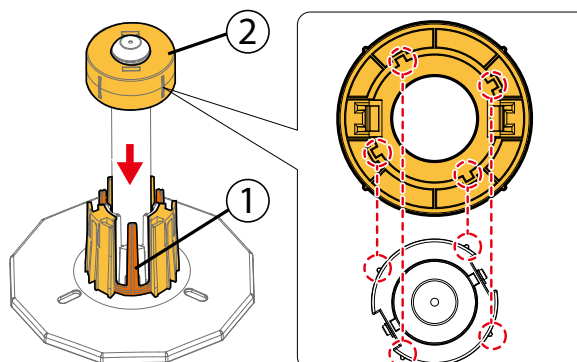
■ When using media with a paper core inner diameter of 3 inches:

Attach the 3-inch adapters to the media flange.

- ① : Align the tabs (x3) on the adapter with the dents on the base of flange to click into place.
- ② : Align the notches (x4) on the inside of adapter with the protrusions (x4) on the leading edge of media flange as shown to the right to attach it to the edge of the media flange.

Note

If ② adapter is misaligned, it will not be properly fixed to the media flange.

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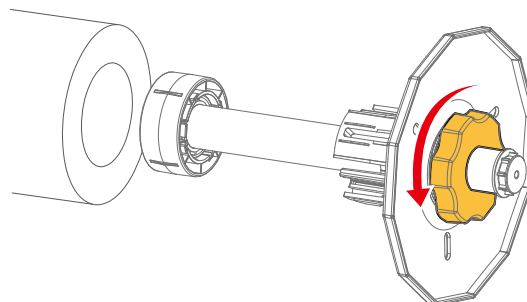
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2 Push the media flange (x2) into the both ends of the media core.

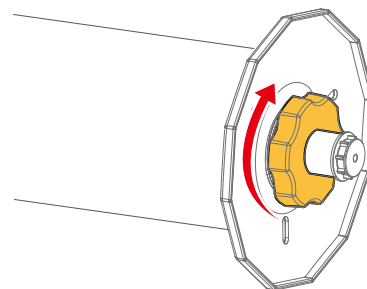
- Before inserting, twist the handle on the flange anticlockwise to unlock it.



3 Twist the handle clockwise to lock the flange.

Important!

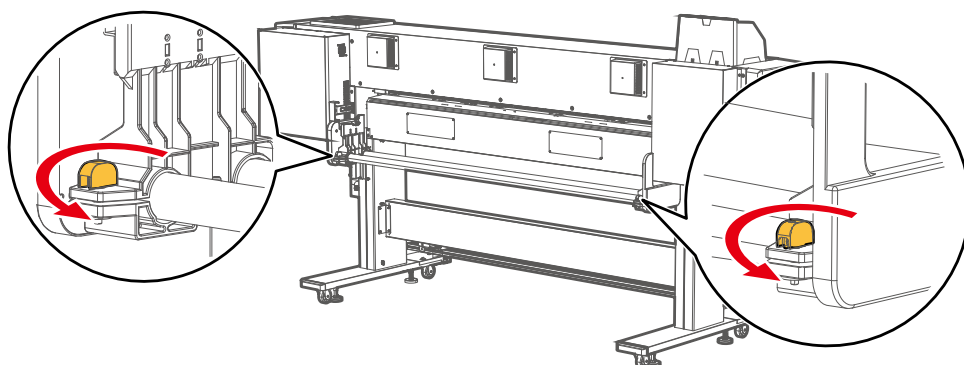
Check that the flange is firmly locked. If not, the media can be removed from the flanges while printing, affecting the print quality.



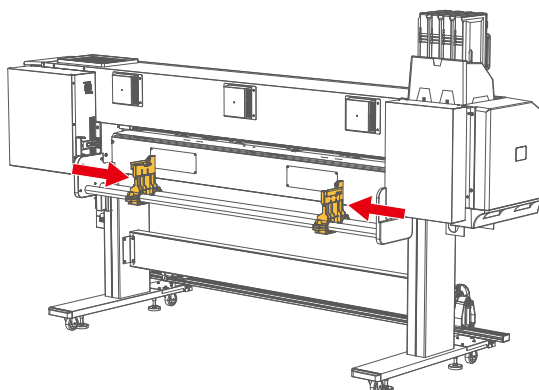
2. Enabling torque on media holders

If you want to apply torque to the media holders, follow these steps.

1 Twist the knob bolt on the left and right media holders anticlockwise to loosen.

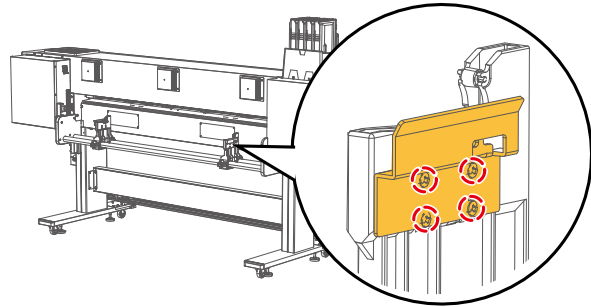


2 Slide both left and right media holders about 30 cm towards the center of the slider for easy access.

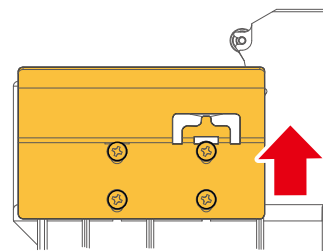


- 3** Tighten the knob bolts on both media holders.

- 4** (When looking from the rear side of the printer) Use the screwdriver to loosen four screws securing the roller shaft guide plate to the right media holder.

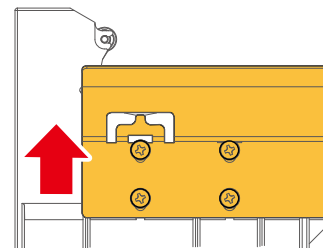


- 5** Slide up the roller shaft guide plate as far as it will go and tighten the screws.



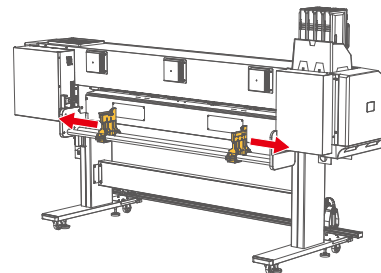
Roller shaft guide plate (right)

- 6** Do the same for the left media holder to slide up the roller shaft guide plate as far as it will go and tighten the screws.

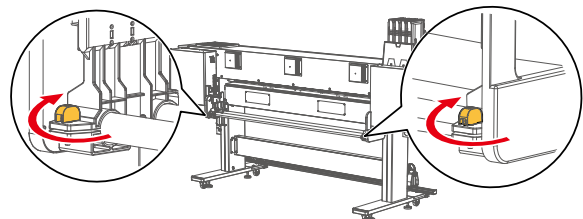


Roller shaft guide plate (left)

- 7** Loosen the knob bolts and slide back both media holders to the original position.



- 8** Tighten the knob bolts on both media holders.



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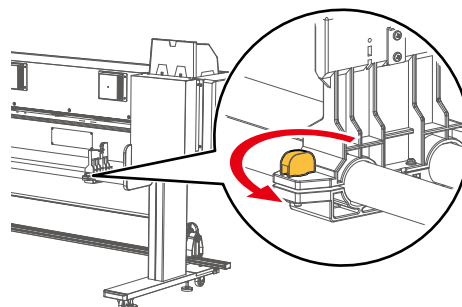
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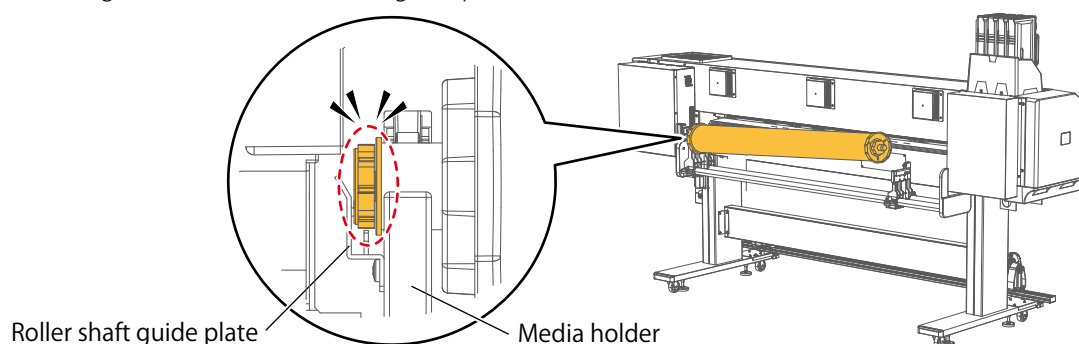
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3. Placing the media onto the media holder

- 1 Twist the knob bolt on the right side of the media holder anticlockwise to loosen.

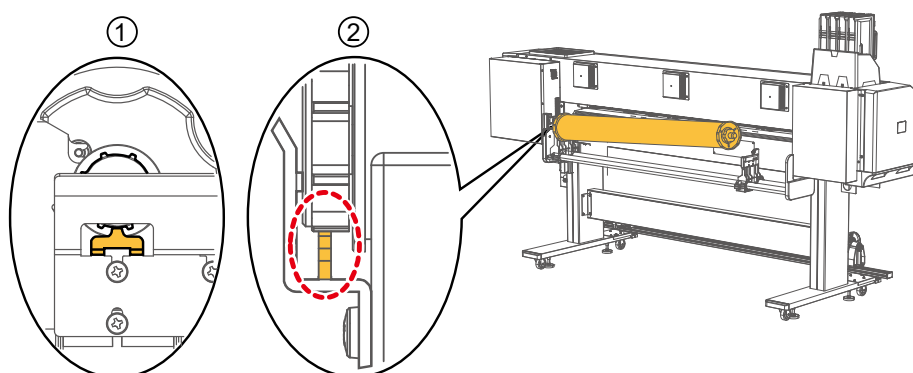


- 2 Place the roll media onto the left media holder. Carefully and gently place it on the holder.
 - Place the flange between the roller shaft guide plate and the media holder as shown in the illustration.



If you have enabled torque, check the following.

- ① : When looking from the side, check that the protrusion on the roller shaft guide plate is fitted into between two protrusions on the flange end cap.
- ② : When looking from the rear side of the printer, check that the flange end cap is properly placed on the protrusion on the roller shaft guide plate.

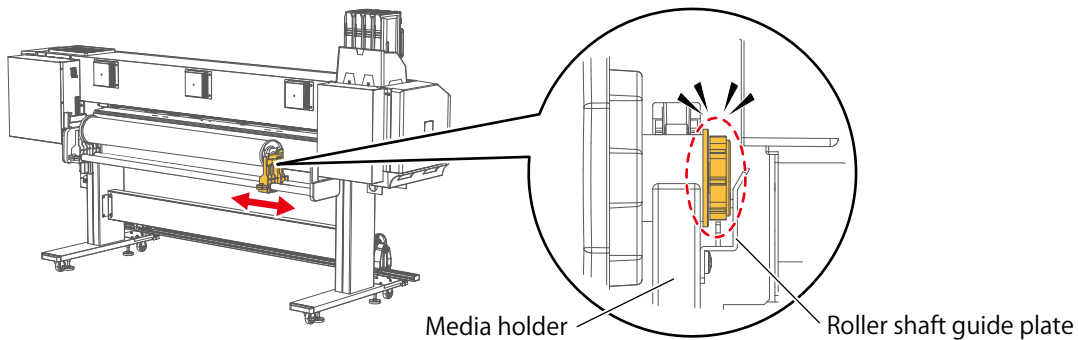


Important !

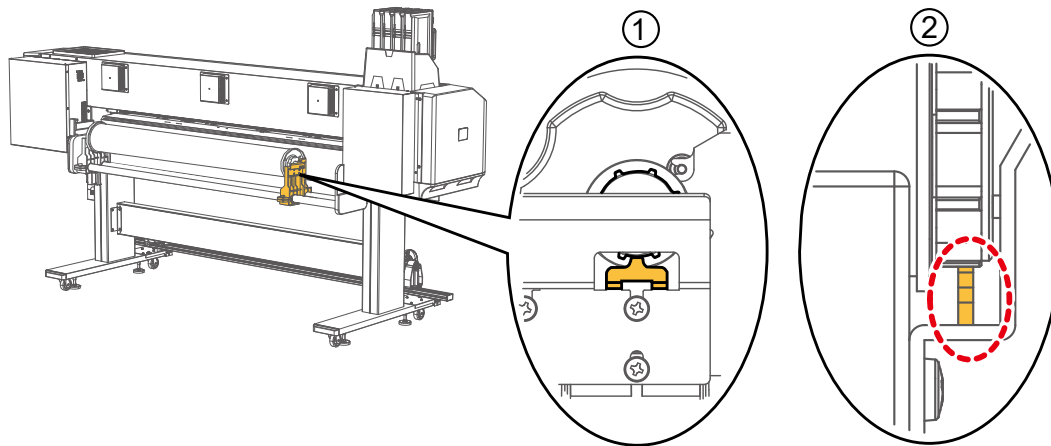
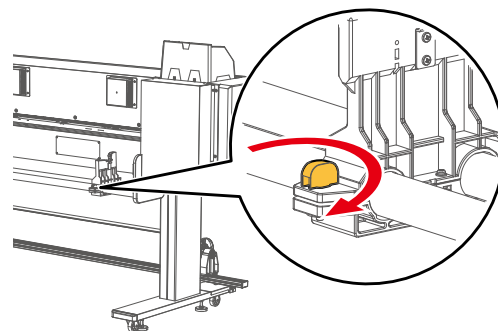
- Do not drop or apply excessive impact while placing the media. This will cause damage to the part.
- When you adjust the position of the media holder (left), do not move it more than 450 mm away from the left-hand end. The printer will not be able to detect media.

3 Place the roll media onto the right media holder. Carefully and gently place it on the holder.

- Slide the right side of the media holder to place the right side of the flange onto the holder.
- Place the flange between the roller shaft guide plate and the media holder as shown in the illustration.

**If you have enabled torque, check the following.**

- ① : When looking from the side, check that the protrusion on the roller shaft guide plate is fitted into between two protrusions on the flange end cap.
- ② : When looking from the rear side of the printer, check that the flange end cap is properly placed on the protrusion on the roller shaft guide plate.

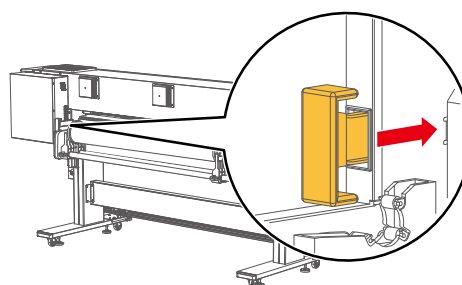
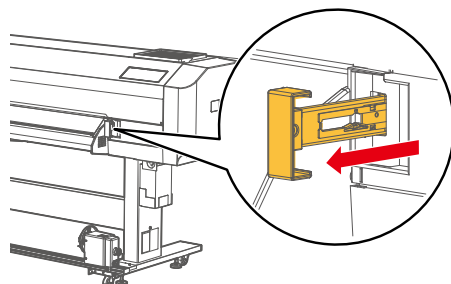
**4 Twist the knob bolt on the right side of the leading holder clockwise to tighten.**

4. Loading the media into the printer

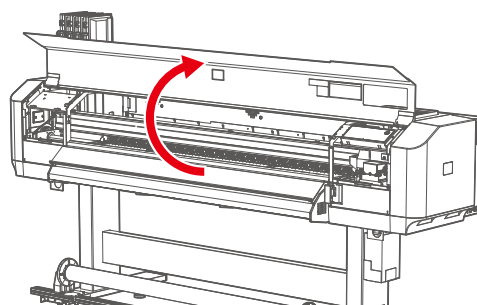
- 1 Check that the printer is powered on.
- 2 Pull the media feed lever to the very front and raise the pressure rollers.

You can also access to the media feed lever from the rear side of the printer.

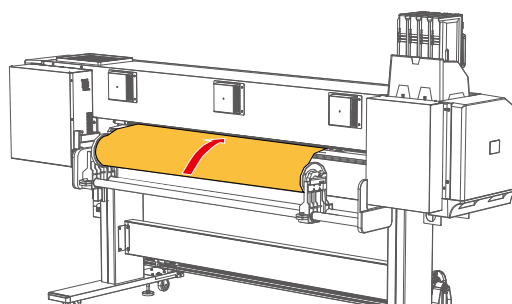
- To release the pressure rollers, push the lever as far as it goes.



- 3 Open the front cover.

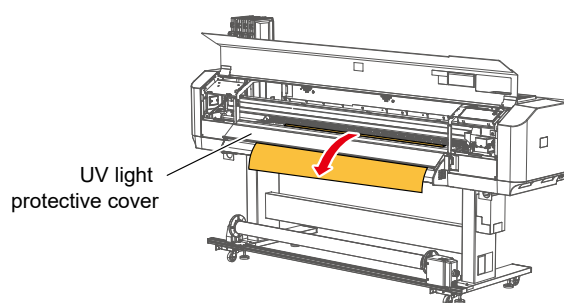


- 4 From the rear side of the printer, insert the leading edge of the media into the media slot.

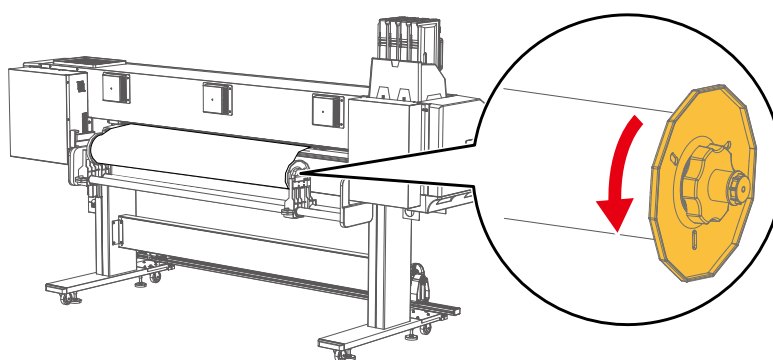


- 5** From the front side of the printer, pull the media for approximately 1 m.

- Pass the media between the UV light protective cover and the media guide and pull it.



- 6** While one person holds the leading edge of the media, the other person turns the flange to slightly rewind the media onto the roll to remove warp or skew.

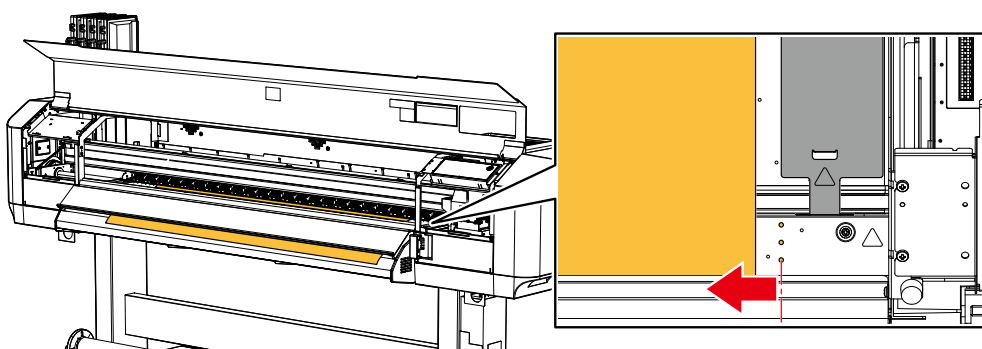


Note

If you remove your hands from the leading edge of the media while rewinding, the media can be removed from the media slot.

- 7** Check that the right-hand edge of the media is located at the left side of the media guide line.

- If not, print quality can be affected.



- 8** If necessary, change the pressure of the pressure rollers individually.

- [Operation Manual "Change pressure of pressure rollers individually"](#)

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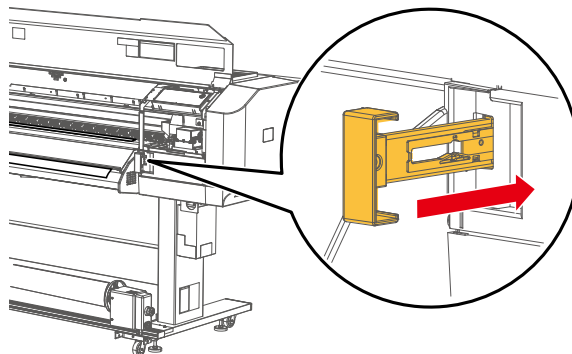
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5. After loading the media

- 1 Push the media feed lever to lower the pressure rollers.

Note

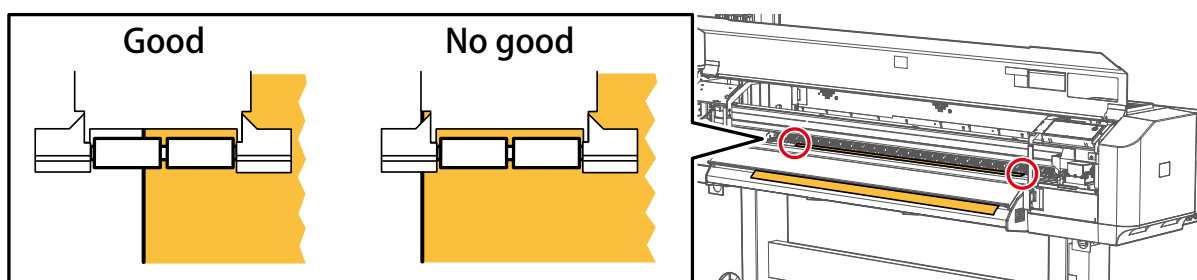
Using the media feed lever, the pressure can be changed to the two levels (Normal/ High). For normal use, pull the lever towards you until it clicks to set the pressure to "Normal".



- 2 Check that both edges of the media are held down properly by the pressure rollers.

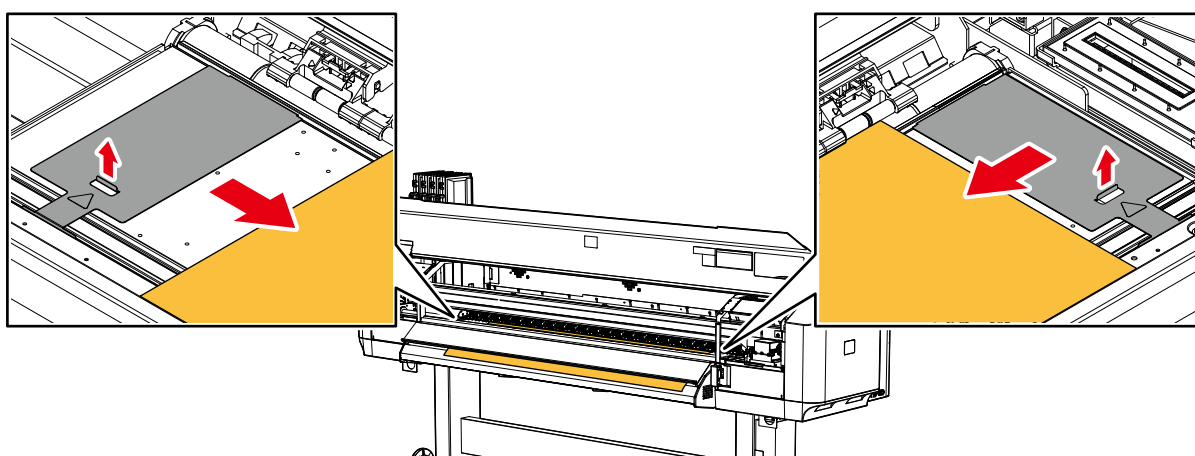
- If it is held like "No good" example, pull the media feed lever towards you as much as possible, then adjust the position of the left or right side of the media holder until the both edges of the media are held down properly.

☞ "3. Placing the media onto the media holder" P.58

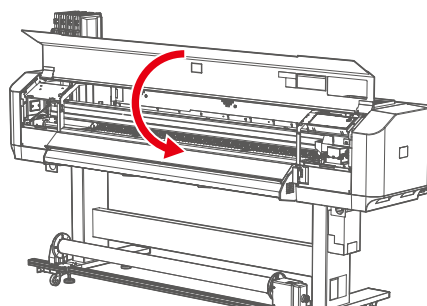





- 3 Place the edge holders on both edges of the media.

- Lift up the tab on the front of edge holder so that the center of edge holder is lifted. Move and place it on the edge of the media while the center of the edge holder is lifted.



- 4 Close the front cover.



- 5 "User: Type** OK?" will be displayed.
- Select the User Type to be used with the  /  keys.
 - Tap  (Enter) to perform a media initial.
 - Exit the Media Set.

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Performing Nozzle Check





Run a nozzle check print to see if the print head fires ink properly.


- 1 Load media and detect media width.
 **"Loading the media into the printer" P.55**

- 2 Tap  key while "Print Ready" is displayed.
 • "Nozzle Check F Start -> Enter" will be displayed.

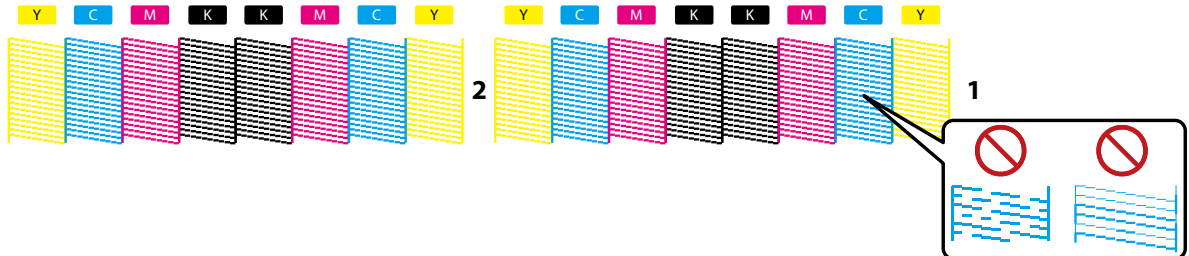
Note

A nozzle check can also be performed from the following menu:

1. Tap  (Home). "Setup" will be displayed.
2. Tap  /  key to select "Test Print".
3. Tap  key to display "Nozzle Check F".

- 3 Tap  (Enter).
 • The printer begins printing a nozzle check pattern.

- 4 Check the pattern printed.
 • If the nozzle is clogged, go to **"Performing Head cleaning" P.65**.



Note

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

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, perform "Little Charge" cleaning. If it does not help to solve the problem, leave the printer for at least one hour, then perform cleaning or "Little Charge" cleaning again. If the problem still persists, please contact your local MUTOH dealer.

Performing Head cleaning

If the nozzle is clogged, perform a head cleaning. The product has several cleaning modes. Select an appropriate mode depending on the result of the nozzle check print.

■ Head cleaning mode

Short Cleaning	Consumes a small amount of ink.
Normal cleaning	Select this mode if there are nozzle clogging.
Long cleaning	Select this mode if nozzle clogging persists even if "Normal cleaning" was performed.
Little Charge * Cleaning menu only	Gives high cleaning efficiency, but consumes large amount of ink.
Initial Charge * Cleaning menu only	Offers more powerful cleaning than "Little Charge", but consume large amount of ink.

Important!

When performing "Little Charge" and "Initial Charge", observe the followings:







- * If the operation is interrupted, a large amount of ink is consumed to re-fill the ink.
- Do not turn off the power.
- Do not unplug the power cord.
- Do not open the front cover or maintenance cover.
- Do not raise the pressure rollers.
- Do not remove the ink bag case or smartchip card.
- Do not use ink bags with low ink levels.

1 Tap key.

- "Clean Print Head?" will be displayed.

Note

The following procedure allows you to select the print head (All / Head1 / Head2) you want to clean.

1. Tap  (Home). "Setup" will be displayed.
2. Tap  /  key to select "Cleaning".
3. Tap  key to display "Select Print Head: ".
4. Tap  /  key to select the print head to be cleaned.

2 Use / key to select an appropriate cleaning mode.

3 Tap (Enter).

- The cleaning cycle begins.

4 Run a nozzle check print to see all nozzles are clear.

 **"Performing Nozzle Check" P.64**

- If the nozzle clogging persists, repeat the Normal cleaning.

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Installing MUTOH Status Monitor

Before printing, MUTOH Status Monitor (MSM) must be installed on your computer. Once installed, follow the instructions on the MSM operation manual to complete initial set up and printer registration.

 MUTOH Status Monitor Operation manual "Initial Setting"

The following software and operation manuals are available for download from MUTOH Club.

MUTOH Status Monitor (MSM)	Allows you to view printer status, change printer settings and run a Test Print.
VerteLith	MUTOH genuine RIP software that gets optimal performance from MUTOH printer and improves the work efficiency of users.
Manuals	<p>The following manuals are available in PDF format.</p> <ul style="list-style-type: none"> • HA-1642 Operation Manual "Operation and Maintenance" • HA-1642 Startup Guide (this document) • MUTOH Status Monitor Operation manual • VerteLith User Manual

Important !

Be sure to install the MUTOH Status Monitor (MSM) downloaded from the MUTOH Club.

Installing procedure

- 1 Follow the instructions on the "Request for User Registration & Download" sheet supplied with this product to complete user registration and download.
- 2 Unzip the file downloaded and double click on "setup.exe".

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