MUTOH

ValueJet

VJ-1938TX
Startup Guide
Unpacking and Initial Setup

Unpacking

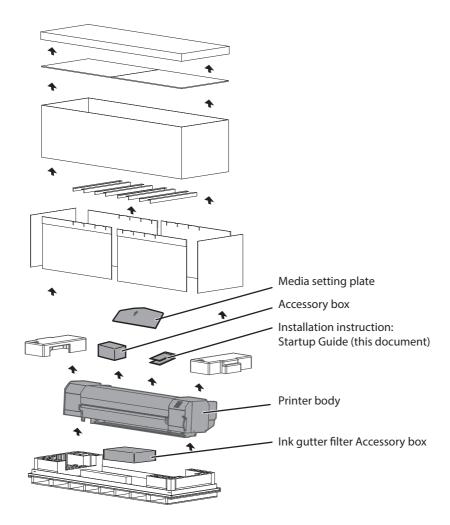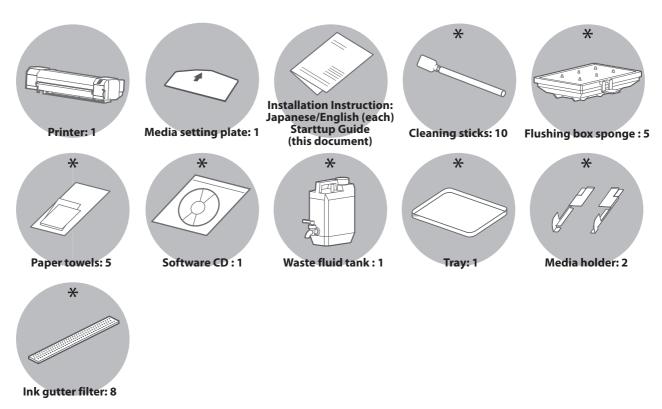| ⚠ CAUTION	• The operations of unpacking and moving this product must be carried out by four or more persons working together. • Keep this product level when moving it.

Unpacking the printer

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

Media setting plate

Accessory box

Installation instruction:
Startup Guide (this document)

Printer body

Ink gutter filter Accessory box

[2] Check if the followings are included.

Printer: 1

Media setting plate: 1

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

✳ **Cleaning sticks: 10**

✳ **Flushing box sponge : 5**

✳ **Paper towels: 5**

✳ **Software CD : 1**

✳ **Waste fluid tank : 1**

✳ **Tray: 1**

✳ **Media holder: 2**

✳ **Ink gutter filter: 8**

> 🖉 **Note**
>
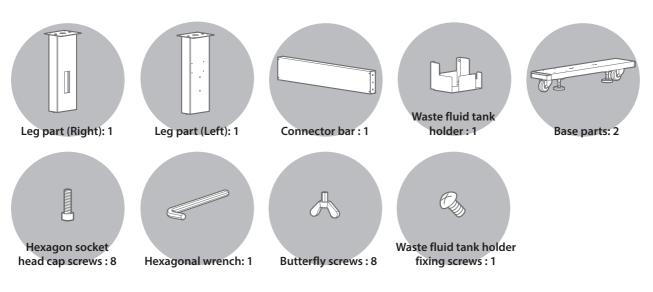> Items marked with an asterisk (✳) above are in the accessories box.

Items in the stand box

Check if the followings are included.

Leg part (Right): 1
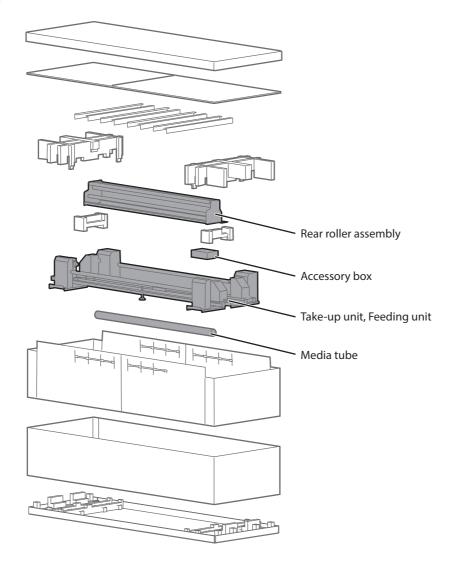
Leg part (Left): 1

Connector bar : 1

Waste fluid tank holder : 1

Base parts: 2

Hexagon socket head cap screws : 8

Hexagonal wrench: 1

Butterfly screws : 8

Waste fluid tank holder fixing screws : 1

Unpacking the Take-up System

⚠ **CAUTION**	Unpacking or moving the Take-up System must be done by at least two people.

[1] Open the box and take out all components.

Rear roller assembly

Accessory box

Take-up unit, Feeding unit

Media tube
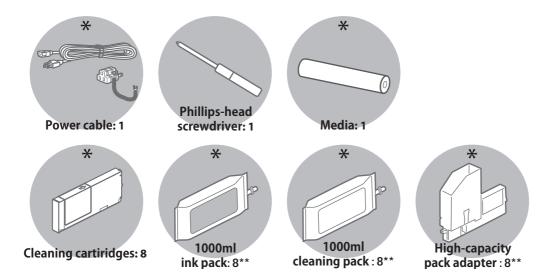
[2] Make sure that you have all necessary components.

\n**Take-up Unit: 1**	\n**Feeding Unit: 1**	\n**Slack detection sensor: 1**
\n**Rear roller Assembly: 1**	\n**Weight fixing pins: 2**	\n**Rail adjusting screws: 4**
\n**Rear roller Assembly: 1**	\n**Weight fixing pins: 2**	\n**Rail adjusting screws: 4**

\n**Rear roller Assembly: 1**	\n**Weight fixing pins: 2**	\n**Rail adjusting screws: 4**	\n**Pan-head screw with spring washer and flat washer M3×8 : 2**
\n**Media tube: 1**	\n**Pan-head screw with spring washer and flat washer M4×6 : 3**	\n**Pan-head screw with spring washer and flat washer M4×8 : 7**	\n**Pan-head screw with spring washer and flat washer M4×12 : 16**
\n**Clamp (small): 5**	\n**Clamp (large): 7**		

Things to prepare in order to install and use the printer

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

✳ Power cable: 1	Phillips-head screwdriver: 1	✳ Media: 1	
✳ Cleaning cartiridges: 8	✳ 1000ml ink pack: 8**	✳ 1000ml cleaning pack : 8**	✳ High-capacity pack adapter : 8**

> **Note**
>
> Items marked with an asterisk (*) above are accessories or supplies.
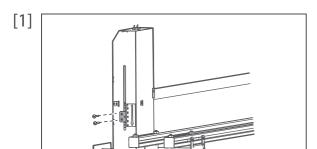
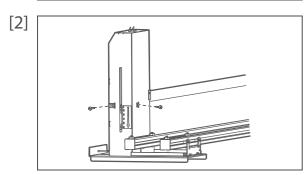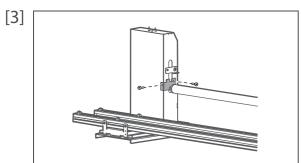| ⚠ WARNING	Be sure to use a power cable of the specified type. Using any other power cable could result in electric shock or fire.

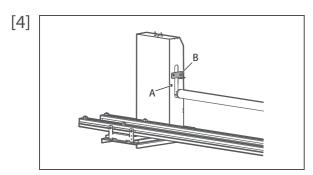# Removing the protective materials (Take-up System)

Take-up Unit

[1]

Remove the two screws (Pan-head screw with spring washer and flat washer 4 × 8) from the fixed shaft mounting plate and remove it.
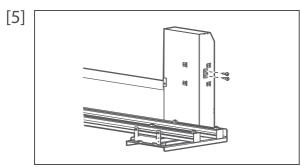
[2]

Remove one screw each (Pan-head screw with spring washer and flat washer M4 × 8) from the tension unit weight fixing materials, and then remove the two tension unit weight fixing materials.

[3]

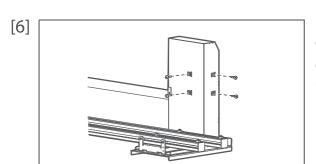Remove the two screws (Pan-head screw with spring washer and flat washer M4 × 8) from the tension roller fixing material and remove it.
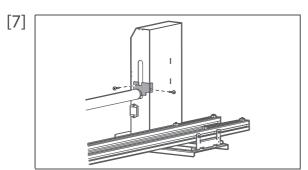
[4]

Remove the auxiliary media setting plate from hook B and place it on hook A.

[5]

Remove the two screws (Pan-head screw with spring washer and flat washer 4 × 8) from the fixed shaft mounting plate on the opposite side and remove it.
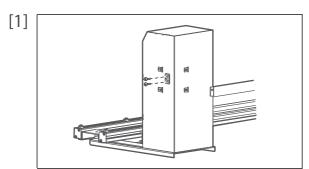
[6]

Remove one screw each (Pan-head screw with spring washer and flat washer M4 × 8) from the tension unit weight fixing materials on the opposite side, and then remove the four tension unit weight fixing materials.

[7]
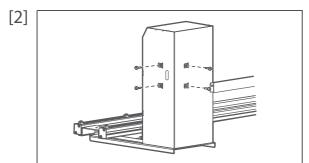

Remove the two screws (Pan-head screw with spring washer and flat washer M4 × 8) from the tension roller fixing material on the opposite side, and remove it.

Feeding Unit

[1]

Remove the two screws (Pan-head screw with spring washer and flat washer 4 × 8) from the fixed shaft mounting plate and remove it.

[2]

Remove one screw each (Pan-head screw with spring washer and flat washer M4 × 8) from the tension unit weight fixing materials, and then remove the four tension unit weight fixing materials.

[3]

Remove the two screws (Pan-head screw with spring washer and flat washer M4 × 8) from the tension roller fixing material and remove it.

[4]

Remove the two screws (Pan-head screw with spring washer and flat washer 4 × 8) from the fixed shaft mounting plate on the opposite side and remove it.

[5]

Remove one screw each (Pan-head screw with spring washer and flat washer M4 × 8) from the tension unit weight fixing materials on the opposite side, and then remove the two tension unit weight fixing materials.

[6]

Remove the two screws (Pan-head screw with spring washer and flat washer M4 × 8) from the tension roller fixing material on the opposite side, and remove it.
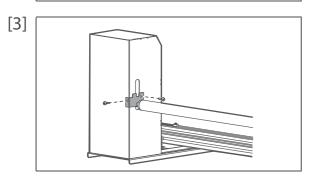
Assembling

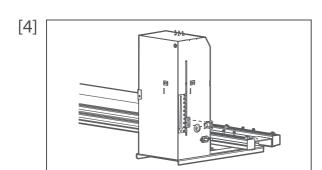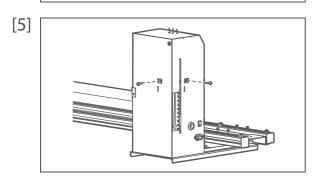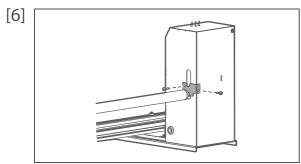## Assembling Procedure

⚠ CAUTION	• Make sure you have at least four persons when assembling the printer and stand. • Make sure you have at least two persons when assembling the Take-up System.

Assemble the printer and stand

Assemble the printer and stand.

Assemble the Take-up System

Assemble the Take-up Unit and Feeding Unit.

Install the Rear roller Assembly

Install the Rear roller Assembly to the back of the printer.

Install the Take-up Unit

Install the Take-up Unit to the front of the printer.

Install the Feeding Unit

Install the Feeding Unit to the back of the printer.

Wire

Place wires.

Assembling complete!
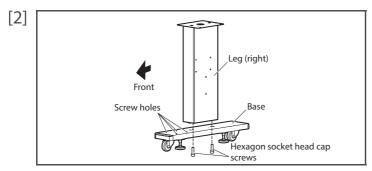
Assemble the printer

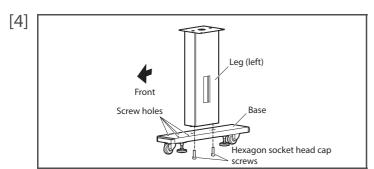| ⚠ **CAUTION**	Four or more people are required to assemble this printer.

Procedure for assembling the stand

Follow the procedure below to assemble the stand.

[1] Assemble the right stand.

[2]
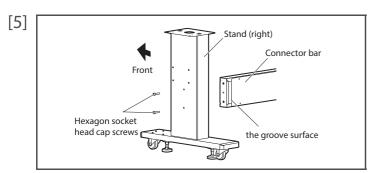
Attach the right leg part to the right base part so that four screw holes in the base part are at the front.

Leg (right)

Front

Screw holes

Base

Hexagon socket head cap screws

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

[4]
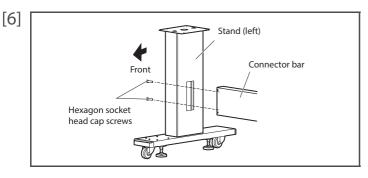
Assemble the left stand in the same way as in Step 2, 3.

Leg (left)

Front

Screw holes

Base

Hexagon socket head cap screws

[5]
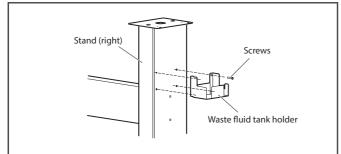
Fasten the connector bar to the right stand using two hexagon socket head cap screws.
 • Attach the connector bar with the groove facing the rear as shown below.

Stand (right)

Connector bar

Front

Hexagon socket head cap screws

the groove surface

[6]

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

Stand (left)

Connector bar

Front

Hexagon socket head cap screws

[7]
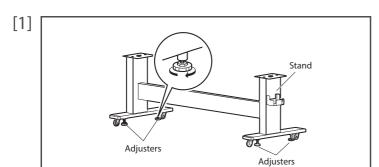
Attach the waste fluid tank holder to the right stand using four screws.
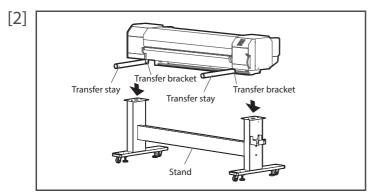
[8] Shake the stand to make sure that each part is firmly attached.

Procedure for attaching the stand
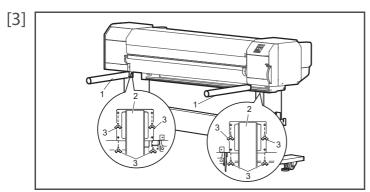
Follow the procedure below to attach the stand to the printer.

[1]

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

[2]

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

[3]
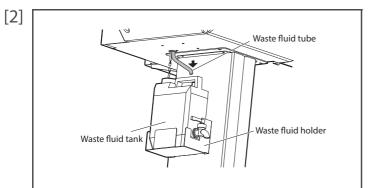
Remove the two transfer stays and fasten the printer to the stand using eight butterfly screws.
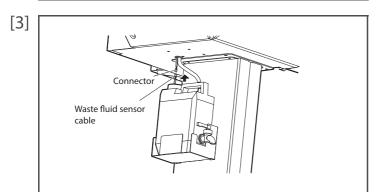
- 1: Transfer stays
- 2: Stand
- 3: Butterfly screws

Procedure for attaching the waste fluid tank

Follow the procedure below to attach the waste fluid tank.

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

[2]
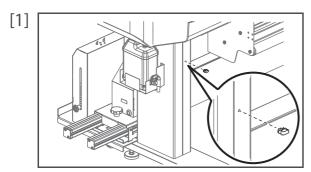
Attach the waste fluid tube to the tank.

Waste fluid tube

Waste fluid holder

Waste fluid tank

[3]
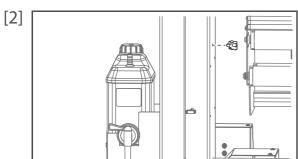
Insert the waste fluid sensor cable into the connector on the bottom of the printer.

Connector

Waste fluid sensor cable
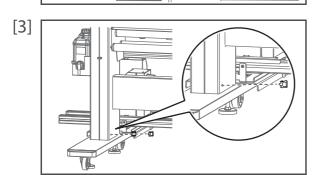
Follow the procedure below to attach the clamp.

[1]

Attach the clamp (large).

[2]

Attach the clamp (Small).

[3]
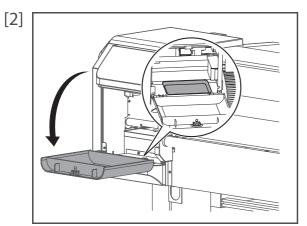
Attach the clamp (large).
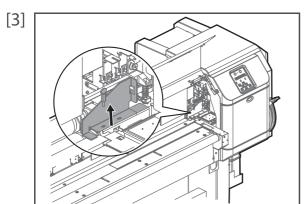
Detaching fastening materials (Printer)

Follow the procedure below to detach all protective materials.
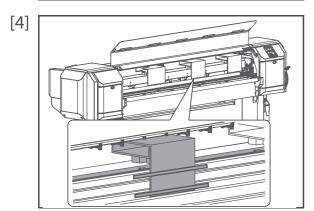
[1]   Remove all tapes from each cover.

[2]   Open the left maintenance cover, then place the tray.

[3]   Open the front cover, then remove a screw from the head unit fastening material (metal plate) and remove the material.

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

📢 **Important!**

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

Assembling the Take-up System
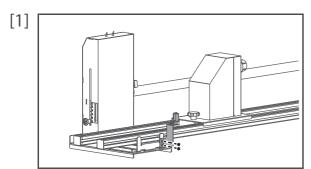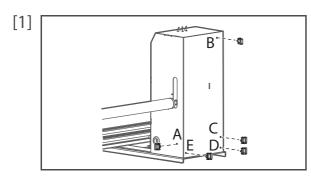
⚠ **CAUTION**	Two or more people are required to assemble the Take-up System.

1. Assembling the Take-up Unit

[1]
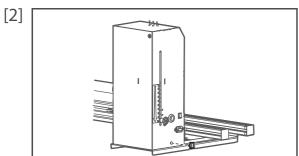
Install the slack detection sensor using two screws (Pan-head screw with spring washer and flat washer M3 × 8).

2. Assembling the Feeding Unit

[1]

Attach one clamp (large) at the position of A.
Attach one clamp (small) at the position of B.
Attach one clamp (large) at the position of C.
Attach one clamp (large) at the position of D.
Attach one clamp (large) at the position of E.

[2]
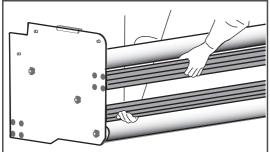
Attach the clamp (large).

Installing the Take-up System

1. Install the rear roller assembly
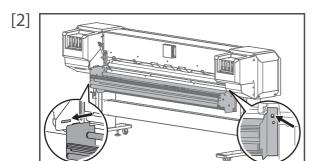
[1]
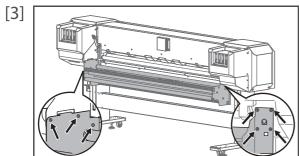
Hold the rear roller assembly as shown in the illustration.

Important!

- Do not hold the rollers. Otherwise they may deform.
- Make sure you have at least two persons when holding the rear roller assembly.

[2]

Hook the rear roller assembly to the back of the printer.

[3]

Temporarily fasten the rear roller assembly using eight screws (Pan-head screw with spring washer and flat washer M4 × 8).
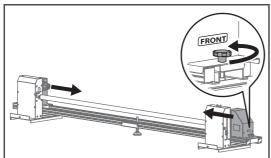
Important!

When temporarily fastening the rear roller assembly, press it toward the printer.

[4] Firmly tighten the seven screws that you have temporarily fastened.

2. Installing the Take-up Unit to the Printer
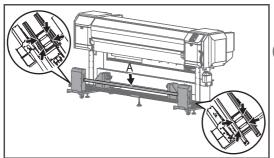
[1]

Loosen the screw with a handle on the front roll unit, and then move the front roll unit to the center of the rail.

- Once the unit is moved, tighten the screw with a handle.
- Move the front roll units on both sides.
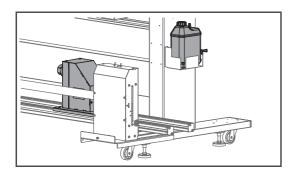
[2]

Place the Take-up Unit on the stand.
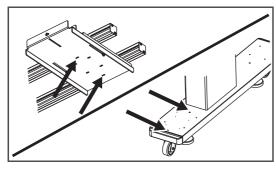
> **Note**
>
> - Place it so that you can see the screw holes of the stand (four on each side, a total of eight) through the screw holes of the Take-up Unit.
> - Do not hold the tension roller (shown by the arrow A).

Place the front roll unit (drive) so that it is on the waste fluid tank side
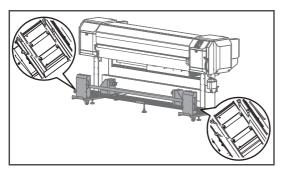
[3]

Move the stand so that the projection parts of the stand fit the two holes on the back of the rail part.
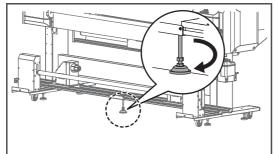
[4] Once the projection parts fit the holes, move the stand to check that the parts firmly fit and do not move.

[5]

Secure the Take-up Unit to the stand using eight screws (Pan-head screw with spring washer and flat washer M4 × 12).
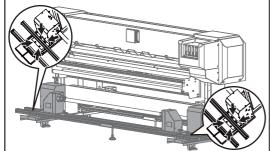
[6]
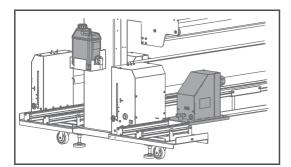
Lower the adjuster so that it touches the floor.

3. Installing the Feeding Unit to the Printer

[1]
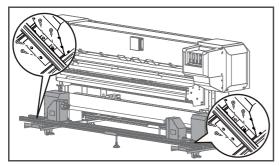
In the same way as the front side, place the Feeding Unit on the back of the stand.
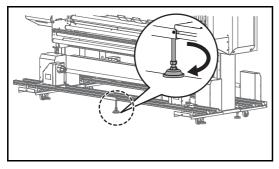
Place the rear roll unit (drive) so that it is on the waste liquid tank side.

[2]

Secure the Feeding Unit to the stand using eight screws (Pan-head screw with spring washer and flat washer M4 × 12).

[3]

Lower the adjuster so that it touches the floor.

Wire
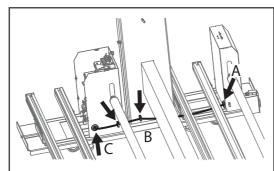
1. Wiring from the front side to the rear side

[1]

Remove the six screws (cap screw M3 × 6) retaining the cover of the rear tension unit (Home side), and then remove the cover.

[2]

Put the take-up sensor cable (label: J9) and take-up switch cable (label: J2) through the front side to the rear side.

- A: Untie the cable, and then put it through under the rail.
- B: Put the cable through two clamps on the path.
- C: Put the cable through the grommet.
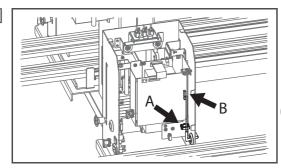
📝 **Note**

The take-up sensor cable is the cable that is coming out of the front tension unit (Home side).

- When you want to put the cable through under the rail in the illustration A above, make sure that it looks like the left illustration.

[3]
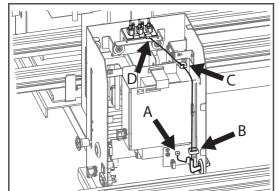
Connect the take-up sensor cable (label: J9) to the controller board.

- A: Put the cable around the clamp once.
- B: Connect the cable connector to the connector [J9] on the controller board.

📝 **Note**

This illustration only shows the cables that need to be connected in this step and others are omitted. Other illustrations also follow the same rule.
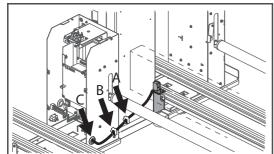
[4]

Connect the take-up switch cable (label: J2) to the feeding switch board.

- A: Secure the earth wire to the earth terminal using one screw (Panhead screw with spring washer and flat washer M4 × 6).
- B: Put the cable through bottom clamp.
- C: Put the cable around the upper clamp once.
- D: Connect the cable connector to the connector [J2] on the feeding switch board.

[5]
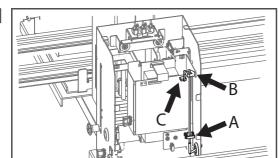
Put the cable for the slack detection sensor through the front side to the rear side.

- A: Untie the cable, and then put it through one clamp.
- B: Put the cable through one clamp on the path.
- C: Put the cable through the grommet.

✎ Note

- The slack detection sensor is on the front side.
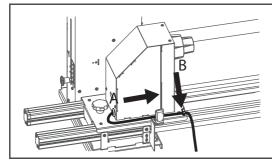
[6]

Connect the cable for the slack detection sensor to the controller board.

- A: Put the cable through the bottom clamp.
- B: Put the cable around the upper clamp once.
- C: Connect the cable connector to [J13] on the controller board.

[7]
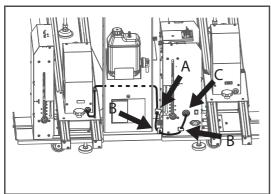
Put the take-up motor cable (label: W_MOT) through one clamp.

- A: Untie the cable, and push it from the outside of the dedicated stand to the inside.
- B: Put the cable through one clamp on the path.

✎ Note

The take-up motor cable is the cable that is coming out of the front roller (drive).

[8]
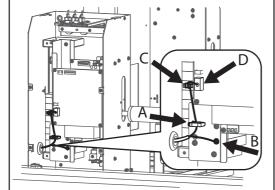
Put the take-up motor cable (label: W_MOT) through the front side to the rear side.

- A: Put the cable through the inside of the dedicated stand (dotted line) and through one clamp of the rear tension unit.
- B: Put the cable through 2 clamps on the path to make it face the outside of the dedicated stand.
- C: Put the cable through the grommet.

✎ Note

The take-up motor cable is the cable that is coming out of the front roller (drive).

[9]
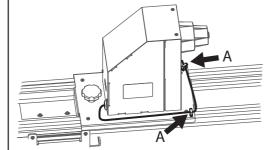
Connect the take-up motor cable (label: W_MOT) to the controller board. (Enlarged image)
- A: Put the cable through the bottom clamp.
- B: Secure the earth wire to the earth terminal using one screw (Panhead screw with spring washer and flat washer M4 × 6).
  Connect it to the second ground terminal from the top.
- C: Put the cable around the upper clamp once.
- D: Connect the cable connector to [J8] on the controller board.

2. Wiring on the rear side
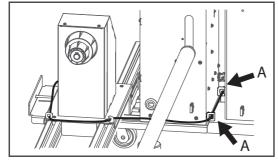
[1]

Put the feeding motor cable (label: F_MOT) through the clamps on the path.
- A: Untie the cable and put it through two clamps as shown in the image to the left.
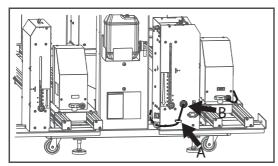
[2]

Put the feeding motor cable (label: F_MOT) through the clamps on the path.
- A: Put the cable through two clamps on the rear tension unit.
- The tip of the cable will come out on the side with the waste fluid tank.
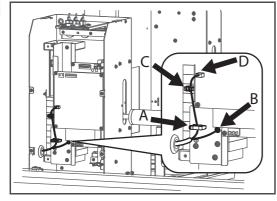
[3]

Put the feeding motor cable (label: F_MOT) through the grommet.
- A: Put the cable through one clamp on the rear tension unit.
- B: Put the cable through the grommet.
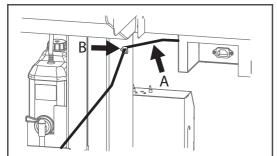
[4]

Connect the feeding motor cable (label: F_MOT) to the controller board. (Enlarged image)
- A: Put the cable through the bottom clamp.
- B: Secure the earth wire to the earth terminal using one screw (Panhead screw with spring washer and flat washer M4 × 6).
  Connect it to the first ground terminal from the top.
- C: Put the cable around the upper clamp once.
- D: Connect the cable connector to [J6] on the controller board.
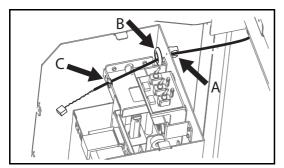
[5]

Put the cable to connect the Take-up System with the printer through the rear side.

- A: Untie the cable that is coming out of the printer's board box.
- B: Put the cable through two clamps on the path.
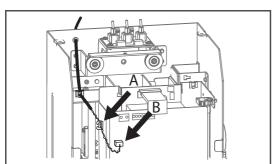
[6]

Put the cable to connect the Take-up System with the printer through the rear tension unit (Home side).

- A: Put the cable through one clamp on the path.
- B: Put the cable through the grommet.
- C: Put the cable through one clamp on the path.
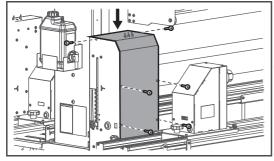
[7]

Connect the cable to connect the Take-up System with the printer to the controller board.

- A: Put the cable around the clamp on the path once.
- B: Connect the cable connector to [J20] on the controller board.

[8]
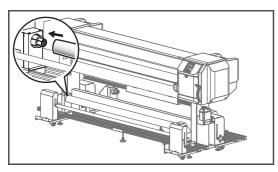
Install the rear tension unit (Home side) cover using six screws (Cap screw M3 × 6).

(📢) **Important!**

- Before installing the cover, pull the cables through the grommet slowly to pull out the excess cables inside the cover.
- Make sure you do not cut the cables by the cover.

[9]
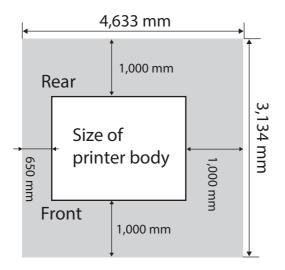
Attach the paper core to the front roll unit.

- This completes assembly.

Installation location

Minimum installation space

```
        ←————— 4,633 mm —————→
        ┌──────────────────────┐  ↑
        │      1,000 mm        │  │
  Rear  │  ┌──────────────┐    │  │
        │  │              │    │  3,134 mm
 650 mm │  │   Size of    │ 1,000 mm
        │  │ printer body │    │  │
  Front │  └──────────────┘    │  │
        │      1,000 mm        │  │
        └──────────────────────┘  ↓
```

Size of printer body

width x depth: 2,983 mm x 1,134 mm

height: 1,529 mm *1

*1   when the front cover is opened

Ensuring a suitable place for installation

Install this product in a place that:

- is level

- has no vibration

- has low humidity and little dust

- has small variation in temperature and humidity

- has no drafts (including those from heating or air conditioning equipment) blowing onto it

- has low levels of electromagnetic radiation and noise

⚠ CAUTION	Keep the work area well-ventilated. The fumes from ink could adversely impact your health. If you experience headache, fatigue or dizziness, immediately get to fresh air. If nausea persists, seek medical advice.

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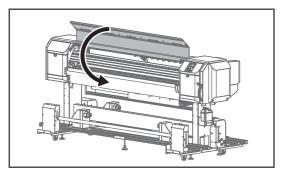
Install the product in an environment that satisfies the conditions in the table below.

Power supply specifications	Voltage	AC 100V to 240V±10%
	Frequency	50/60Hz±1Hz
	Capacity	• Printer side: No less than 2.5A • Take-up System side: No less than 1.0A
Environmental conditions	Operating environment	Temperature: 20℃ to 32℃, humidity: 40% to 60% no condensation
	Ranges to ensure printing precision	Temperature: 22℃ to 30℃, humidity: 40% to 60% no condensation
	Environment for storage	If not charged with ink when stored: up to 6 months Temperature: -20℃ to 60℃, humidity: 20% to 80%

Connecting the cables

Connecting power cable

1. Before connecting the cables...

Close the front cover.

2. Connecting the power cable

[1]

Check!

Error

❋ Receiving Data   ❋ Ink Low

Head Height   Cleaning Mode
☐ High   ☐ Take Up   ☐ Long

Make sure that the printer is turned off.
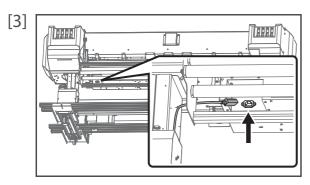
> **Note**
>
> If the power switch is in a pressed-inward state, it is turned on and you must press it again to turn it off.

[2]

Make sure that the Take-up System is turned off.
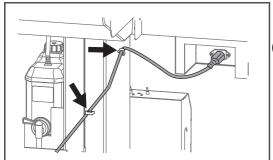
> **Note**
>
> • The power switch to the Take-up System is on the Rear tension unit (Home side).
>
> • When the [Power] key is set toward [|], the printer is on. Put it back to [O] and turn it off.

[3]

Connect the power cable to the printer.

[4] Put the power cable for the printer through two clamps.
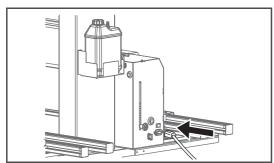
🔊 **Important!**
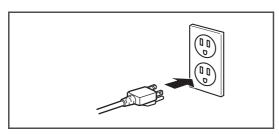
Put the power cable for the printer through the clamp on the leg as shown in the illustration. Otherwise, the rear roller may catch the power cable.

[5] Connect the power cable to the Take-up System.

[6] Insert the plug of the power cables correctly in the sockets.
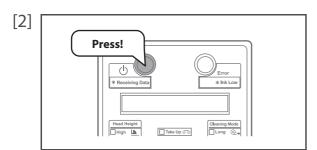
Powering ON / OFF

Printer

Turning the power ON

[1] Close the front cover.
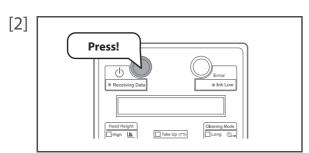
[2]
Press the power button of this product to turn the power ON.
- The blue light becomes ON.
- This product starts its initialization operations.

Turning the power OFF

[1] Make sure printing is done.
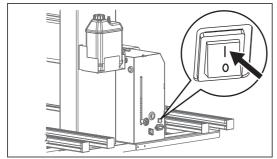
[2]
Press the power button of this product to turn the power OFF.
- This product starts its powering off operations.
- The blue light becomes OFF.

Take-up System

Turning the power ON

[1]
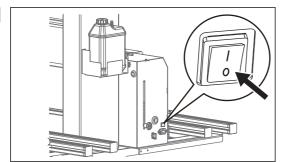
Press the power button of the Take-up System to turn the power ON.

• The green light becomes ON.

Turning the power OFF

[1] Make sure printing is done.

[2]

Press the power button of the Take-up System to turn the power OFF.

• The green light becomes OFF.

Setup Procedure

Perform activation

Activate this product by using the operation panel.

Making the initial settings

Configure the operation panel language and units.

Setting Cleaning Cartridges and Initial Cleaning

Install cleaning cartridges into this product and clean the print head.

Initial Charging

Install ink cartridges into this product and charge the print head with ink.

Load the media for test printing

Set the media you want to use to print out the nozzle check pattern.

Nozzle check and cleaning

Print out the nozzle check pattern and continue cleaning the head until the nozzles are aligned.

Connecting to a Computer

Enter the printer IP address on the operation panel.
(Refer to page 20 in the Operation Manual)

The setup is now complete!

Step 1   Perform Activation

This product requires activation when first during the power on.

Activation required

When the message on the left appears, carry out activation.

There are two ways of carrying out activation.

☞"To activate via the control panel: " P.31 below

☞"To activate via the Internet: " P.31 below

To activate via the control panel

[1]

Activation required

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

```
Enter  ↵
```
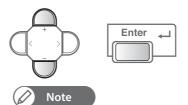
[2]

<u>0</u> 0 0 0 – 0 0 0 0 – 0 0 0 0 – 0 0 0 0

Enter a 16-digit activation code.
- Use the [+] key to increase a setting value.
- Use the [-] key to decrease a setting value.
- Press the [Enter] key to confirm. The cursor will move on to the next.
- Confirm your input for each value.

```
   +
 <     >
   −
```
```
Enter  ↵
```

> ✎ **Note**
>
> Obtain the activation code from the distributor, by email or other means.

[3]

Reboot a printer

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

```
⏻
✳ Receiving Data
```

To activate via the Internet

Activation required

When the message on the left appears, carry out activation according to the "Printer Activation Guide".
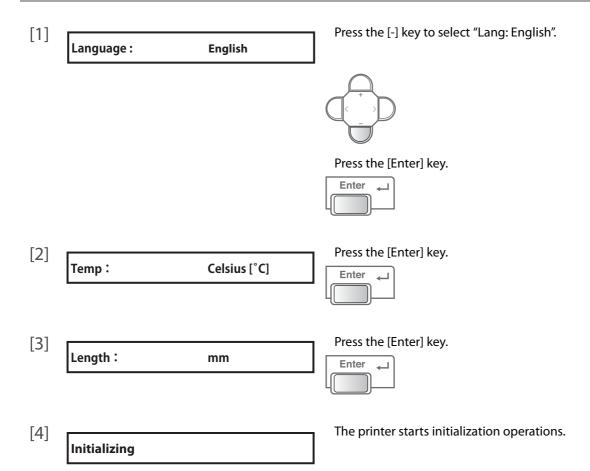
> ✎ **Note**
>
> You can obtain the "Printer Activation Guide" by accessing the ValueJet Club via the Internet address below and registering as a user under "Register".
> https://valuejetclub.mutoh.co.jp/mutoh/guser/

Step 2 Making the initial settings

When you turn the power on for the first time, make the initial settings according to the instructions displayed.

1. Configuring the operation panel language and units

[1]

Language :   English

Press the [-] key to select "Lang: English".

Press the [Enter] key.

Enter ↵

[2]

Temp：   Celsius [˚C]

Press the [Enter] key.

Enter ↵

[3]

Length：   mm

Press the [Enter] key.

Enter ↵

[4]

Initializing

The printer starts initialization operations.

Step 3 Initial charging of ink

1. Initial cleaning

[1] Turn the printer ON.

[2] The printer starts the initializing operation.

[3]

Start Ink Charge -> Enter

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

Enter ↵

Wash retry? No

The message on the left will appear.
- Use the [+] / [-] keys to select "Wash retry? Yes".
- Press the [Enter] key.
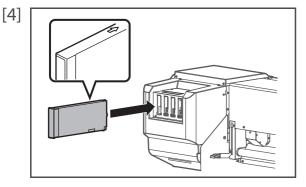
Insert CleaningCart.

The message on the left will appear.

[4]

Insert cleaning cartridges into all the cartridge slots.
- The arrow should face up.
- Insert all the way to the end.

Busy - Washing

The message on the left will appear.
- Start charging cleaning fluid.

Remove Cartridges

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

[5]

Remove all cleaning cartridges.

Busy - Washing

The message on the left will appear.
- Cleaning fluid starts to be discharged.

Wash retry?   No

When Head cleaning ends, the message on the left will appear.
- Press the [Enter] key.

⚠️ **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 product is harmful to aquatic organisms. Avoid the waste fluid from out flowing to sewage or natural water systems.
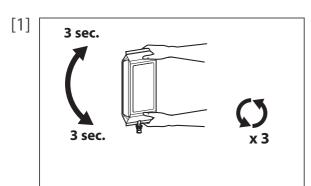
[6]

Insert InkCartridges

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

```
Enter ↵
```

Note

The High-capacity pack adapter is sold separately.

[1]
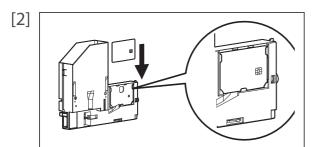
Open a new ink pack and shake it as described below.
- Turn the ink plug upward and wait for 3 seconds.
- Next, turn the ink plug downward and wait for 3 seconds.
- Repeat that 3 times.
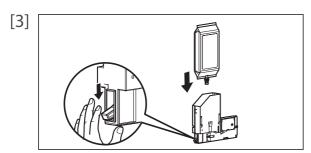
You need the following cartridges.
- Black (K): 2 cartridges
- Cyan (C): 2 cartridges
- Magenda (M): 2 cartridges
- Yellow (Y): 2 cartridges

[2]
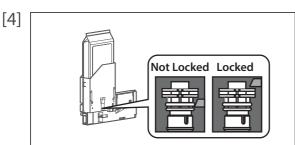
Slide the smart chip card into the tab on the high-capacity pack adapter to install it.

[3]
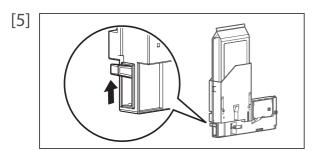
Lower the lock lever on the high-capacity pack adapter and insert the ink pack.
- Insert all the way to the end.

[4]
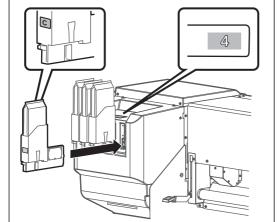
Confirm that the ink pack is inserted all the way and is locked.

Not Locked Locked

[5]

Confirm that the lock lever on the high-capacity pack adapter is in its original position.

[6]

Insert High-capacity pack adapter to this product.
- Match the label of this product to the color of ink cartridge.
- Insert all the way to the end.

Ink Refill	** %

The message on the left will appear.
- The printer starts ink charging.

[7]

Media End

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

⚠ CAUTION

Do not perform the following operations during ink filling. If filling is interrupted, ink will be lost when filling is resumed.
- Do not turn OFF the power of the printer.
- Do not unplug the power cable of the printer.
- Do not open the front cover.
- Do not open the maintenance cover.
- Do not raise the media setting lever.

Test printing

Load the media

There are two methods for loading the roll media to this printer.

Use the appropriate method depending on the media you are using.

📢 **Important!**

Depending on the type of the media, we recommend that 2 or more persons set the media.

Tension take-up method

You can apply the load using the tension unit to take up the roll media.
Adjust to the appropriate load to avoid wrinkles or uneven printing. ☞Operation manual "Adjusting the Weight" P.30

This take-up method is suitable for most media.
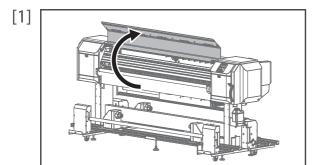
Slack take-up method

You can take up the roll media without using the tension unit.
Use this method for the media that tend to have wrinkles from too much load when using the tension take-up method.
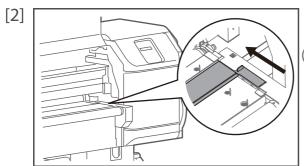
This is suitable for thin media, light media, elastic media, and so on.

Set the media to the Take-up Unit

[1]

Open the front cover.

[2]

Close the ink gutter cover.

✏️ **Note**
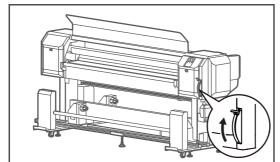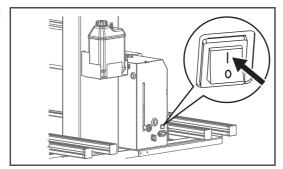
If you do not close the ink gutter cover, the ink inside the gutter may adhere to the media while loading media.

[3] When the media setting lever is lowered, lift it up.
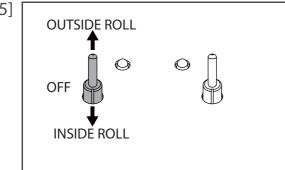
[4] Turn on the Take-up System.

[5]
OUTSIDE ROLL

OFF

INSIDE ROLL
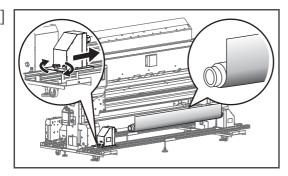
Switch the rear roll unit AUTO switch depending on the media you are setting.

- INSIDE ROLL: When setting the inside roll media.
- OUTSIDE ROLL: When setting the outside roll media.

Note
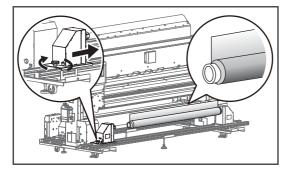
- Inside roll media: Media with the printable side on the inside.
- Outside roll media: Media with the printable side on the outside.

[6] Load the roll media to the rear roll unit.
- Loosen the screw with a handle, and then attach the rear roll unit to the roll media.
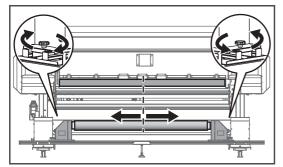
- For the outside roll media, see the left illustration.

- For the inside roll media, see the left illustration.

[7]
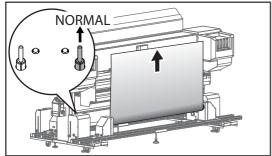
Loosen the screws with a handle on left and right sides, and then adjust the position of the roll media.

- Make sure that the center of the roll media and the center of the media feed slot are aligned.
- Once adjustment is complete, tighten and secure the screw with a handle.
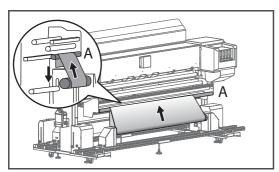
Put the media through the rear roller assembly
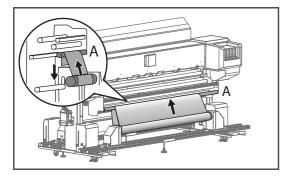
[1]

Move the MANUAL switch on the rear tension unit to the NORMAL side and pull the roll media out about 1.5 m.

[2]
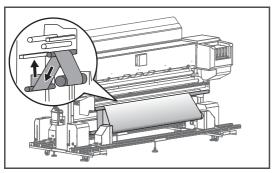
Put the roll media over the rear roller (A).

- For the outside roll media, see the left illustration.
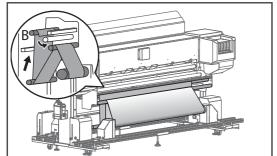
- For the inside roll media, see the left illustration.

[3]
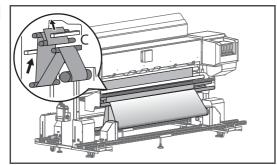
Put the roll media from the bottom to the top over the rear tension unit's tension roller.

[4]
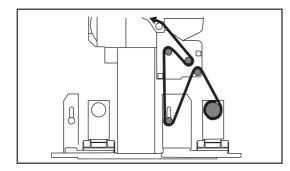
Put the roll media from the bottom to the top over the rear roller (B).

[5]
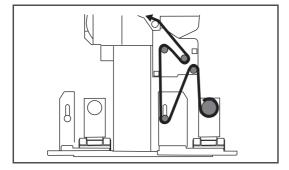
Put the roll media from the bottom to the top over the rear roller (C).

The media should be loaded to the roller as shown in the illustration when seen from the side.

• For the outside roll media
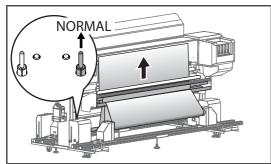
• For the inside roll media
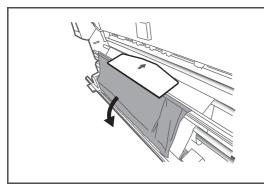
Loading the media to the Take-up Unit

[1]

Move the MANUAL switch on the rear tension unit to the NORMAL side and pull the roll media out about 1.5 m.

[2]

Let the media that you pulled out drop in front of you.
Place the media setting plate in the center of the media.
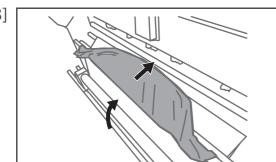
> 📝 **Note**
>
> The media setting plate is supplied with the printer.

> ◁ **Important!**
>
> If the thickness of the media that you wish to set is 1.0 mm or more, do not use the media setting plate.

[3]
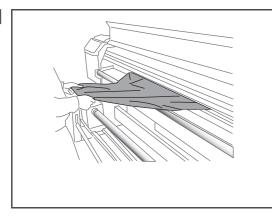
Wrap the roll media around the media setting plate and pass the media through the media feed slot.

> 📝 **Note**
>
> Insert the media into the media feed slot until the whole media setting plate is visible from the front side.

[4]

Pull out the media setting plate from the front side.
Pull the media out several times until it reaches a length of about 1 m.
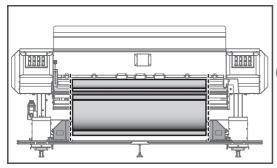
> 📝 **Note**
>
> - If you continue pulling the media longer than a certain amount of time, the red lamp on the rear tension unit will light up.
>   The rear tension unit will stop. Set the AUTO switch of the rear tension unit to OFF and select either INSIDE ROLL or OUTSIDE ROLL depending on the media rolling method.
>
>   ☞Operation manual "When the red lamp lights up" P.28
>
> - After you pull it out, remove the board, and remove the wrinkles from the media.

[5]
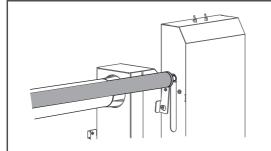
Adjust the position of the roller so that the edge of the media on the roller is straight when seen from behind.

> 📝 **Note**
>
> Adjust both edges of the media.
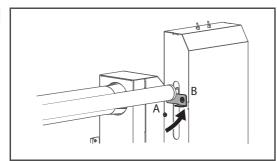
Using the tension take-up method to set the media

[1]

Lift the tension bar of the front tension unit manually to its highest position.
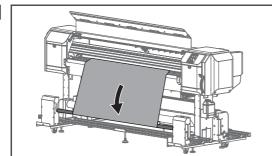
[2]

Remove the auxiliary media setting plate from hook A and place it on hook B.
 • Mount the tension bar to the auxiliary media setting plate.
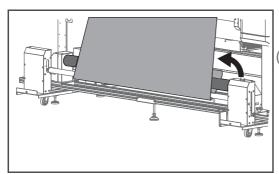
[3]

Put the roll media from the bottom to the top over the front tension unit's tension bar.
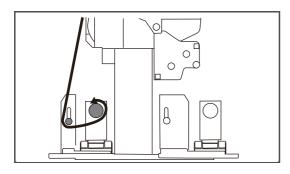
[4]

Secure the roll media to the media tube using double-sided tape.
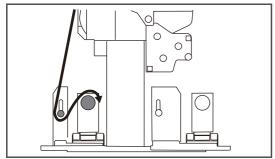
✎ **Note**

 • For instructions on how to roll back the media during the setting operation, refer to the following page.

   ☞ Operation manual "Rolling back the media during the media setting operation" P.27

 • After rolling back the media, adjust the position of the roller so that the edge of the media on the roller is straight when seen from behind.

The media should be loaded to the roller as shown in the illustration when seen from the side.

• For the outside roll media

• For the inside roll media

[5]

Remove the auxiliary media setting plate from hook B and place it on hook A.
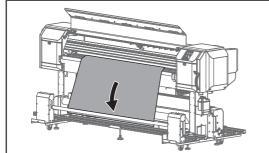
Using the slack take-up method to set the media (Only outside roll media)

📩 **Important!**

The "SLACK" setting on this product doesn't support inside roll media.
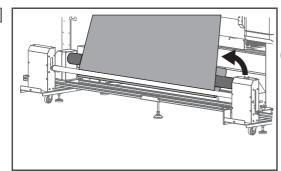
When the AUTO switch of the take-up device is set to INSIDE ROLL, the operation won't start even if the OPERATION switch is set to "SLACK".

[1]

Drop the roll media between the tension bar of the front tension unit and the media tube.
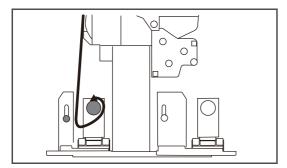
[2]

Secure the roll media to the media tube using double-sided tape.
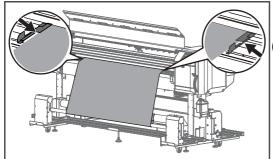
✏ **Note**

- For instructions on how to roll back the media during the setting operation, refer to the following page.

  ☞Operation manual "Rolling back the media during the media setting operation" P.27

- After rolling back the media, adjust the position of the roller so that the edge of the media on the roller is straight when seen from behind.

The media should be loaded to the roller as shown in the illustration when seen from the side.

After loading the media...

[1]
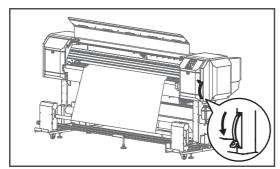
Set the media holder at both edges of the media.

> 📢 **Important!**
>
> With the default settings, the printing operation starts 5 mm from the edge of the media. To hold down the media, make sure that the part overlapping the media is less than 5 mm in length.
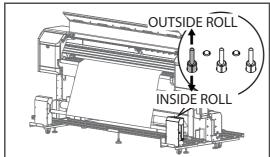
[2]

Lower the media setting lever.

[3]

OUTSIDE ROLL

INSIDE ROLL
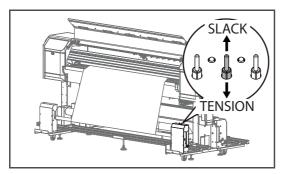
Switch the front tension unit AUTO switch depending on how you set the media.

- OUTSIDE ROLL: When setting the outside roll media
- INSIDE ROLL: When setting the inside roll media

[4]

SLACK

TENSION
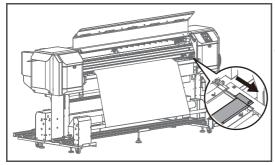
Switch the front roll unit OPERATION switch depending on how you set the media.

- SLACK: When using the slack take-up method
- TENSION: When using the tension take-up method

[5]
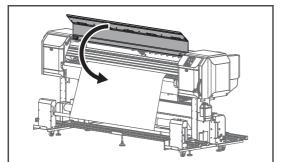
Open the ink gutter cover.
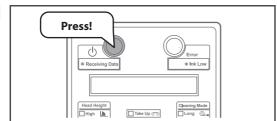
> ✏️ **Note**
>
> If the ink gutter cover isn't completely open, you cannot print.

[6] Close the front cover.
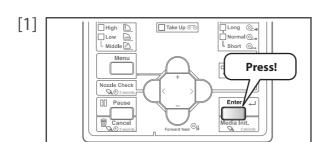
[7] Turn the power of the printer on.
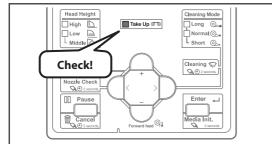
Press!

Using the printer operation panel

[1]
Press!

- "No Media Detected" is displayed on the operation panel.
- Press and hold the [Enter] key to 2 seconds or longer to execute media initialization.

[2]
Check!
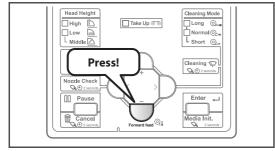
Make sure that the [Take-Up] lamp has lit up green.

✎ **Note**

If the [Take-Up] lamp is not green, select "Take Up" in "Set 6 Output Mode".

☞Operation manual "Set 6: Output Mode" P.80

[3]
Press!

Press the [Forward] key on the operation panel, and take up about 2 to 3 rounds of the media.

✎ **Note**

When "Media End/Take-up Error" is displayed on the operation panel, the media setting lever will be raised and lowered and the media detection operation will start.

Check the combination of the Operation switch and the AUTO switch of the front tension unit, and select the correct combination.
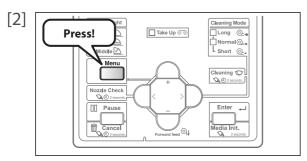
☞Operation manual "When "Media End/Take-up Error" is displayed on the operation panel" P.28

Nozzle check and cleaning

Run the nozzle check printing, and if there is nozzle clogging, carry out cleaning.

1. Nozzle check steps

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

☞ 「**Load the media**」 P. 37

[2]
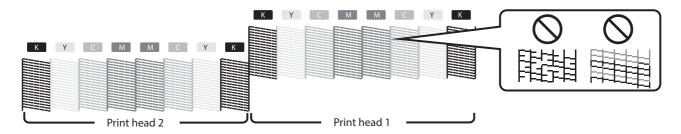
Press the [Menu] key.

[3]

Menu 2 :	Test Print >

- Press the [-] key several times, to bring up the display on the left.
- Press the [>] key.

[4]

Test 1 :	Nozzle Check

- Press the [Enter] key.
- Nozzle check patterns will be printed.

[5] Check the patterns.

- If there is nozzle clog, go to 「**Cleaning steps**」 P. 48
- If all lines are clearly printed, you can start printing.

Print head 2   Print head 1

✏ **Note**

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

☞Operation manual "Set 20: IP Address", "Set 21: Subnet Mask", "Set 22: Gateway" P.86

- For instructions on how to connect to a computer, refer to the operation manual.

☞Operation manual "Connecting to a Computer" P.20

[1]

Press!

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

• The cleaning mode will be set to "Normal".

Cleaning Mode

☐ Long

■ **Normal**

L Short

Normal Cleaning

[2]

Press!

Give the [Cleaning] key a long press, for 2 seconds or more.
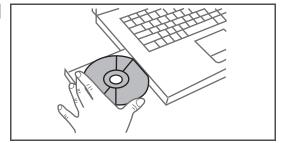
• Cleaning will start.

[3] Conduct a nozzle check, again.

☞ 「**Nozzle check steps**」P. 47

• If there is still nozzle clogging, repeat normal cleaning.

• See "Menu 3: Cleaning" P.94 of the operation manual regarding "Short", "Long" and "LittleCharge" cleaning.

Accessing to Manuals

Follow the procedure below to access the manuals in the accessory CD.

[1]   Insert the accessory CD into the computer's CD-ROM drive.

[2] **Windows10**
 • Click [Explorer] in [Start] menu.

Windows 8/ Windows8.1
 • On the [Start] screen, click [Desktop].
 • Click [Explorer].
 • Double-click [PC] or [Computer].

Windows7/ Windows Vista
 • Click [Computer] or [My Computer] in [Start] menu.

[3] Right-click the CD/DVD drive icon and select [Open].

[4] Double-click pdf.

Safety Instructions

Important Notice

For Users in Europe

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

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

For Users in the United States

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

About the safety notices

Signification of WARNINGs and CAUTIONs

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

Meaning of symbols

Warning symbol	Meaning
🚫	**Indicates "prohibited" operations.**
❗	**Indicates "required" operations.**

> ✎ **Note**
>
> • Refer to "Introduction" P.8 of operation manual for names of each component in the main body.

Concerning electric shock, short circuits and fire

⚠️ **WARNING**

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

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

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

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

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

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

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

🚫 **Pay attention to the following points when handling the power cord set.**
- **Do not tamper with the power cord set.**
- **Do not put heavy objects on the power cord set.**
- **Do not bend, twist or pull the power cord set by force.**
- **Do not route the power cord set near heating appliances.**

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

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

❗ **Take power for the printer directly from the power socket.**
Do not use multiple plugs on the same socket.
This could generate heat and might cause fire.

❗ **Be sure to use a dedicated power socket with earth wire for the power supply, and connect it to the earth wire.**
If the earth wire is not connected, an electric shock or fire may occur.

❗ **Make sure to connect an earth wire to the earth connection that meets the following standards.**
- **Earth terminal of power socket**
- **An earth wire with a copper plate which is buried at 650 mm or more in the ground.**
- **Ground terminal with Class D grounding implemented**

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

❗ **Connect up the cords (cables) in the ways specified in this Guide.**
Mistakes in the cable connections could result in fire.

🚫 **Never open covers attached using screws under any circumstances.**
This may cause an electric shock or a malfunction.

❗ **When you do not use the printer for a long period, make sure to pull out the power plug from the power socket for safety.**

🚫 **Make sure that no moisture enters the printer.**
It could cause shorting of the electrical circuits.

Installing the printer

⚠ WARNING

🚫 **Do not install the printer on a surface:**
On such surfaces the printer could topple over or fall off, potentially causing injury.

- **that is shaky, or**
- **that is tilted, or**
- **that receives vibration from other machines or equipment nearby.**

⚠ CAUTION

🚫 **Do not slant the printer, turn it upside down.**
The ink inside the printer may leak.
Moreover, normal operation after shifting (to these positions) cannot be guaranteed.

❗ **The operations of unpacking and moving this product must be carried out by four or more persons working together.**

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

❗ **When taking the printer out of the container box, make sure to remove the vinyl, install Reinforcement for transportation, and hold Reinforcement.**
If lifting up the printer with the vinyl on, there is a possibility the printer can slip and drop, and be damaged.

Concerning handling

⚠ WARNING

🚫 **Do not step on this printer or place heavy things on top of it.**
It may cause an injury if the printer falls down.

⚠ CAUTION

🚫 **Heed the following instructions for cleaning of the cleaning wipers and the print head outer periphery.**

- **Do not use the same cleaning stick more than once.**
  The dirt on a used cleaning stick could result in damage to the print head.

🚫 **Heed the following when cleaning the print head outer periphery.**

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

Concerning handling (continued)

🚫 **Heed the following when cleaning the cleaning wipers.**
- **Do not touch the cleaning wipers or the head cap unit.**
  You could get oil or grease on them, with the result that head cleaning cannot be implemented normally.
- **To wipe the cleaning wipers, use only the cleaning sticks, and use them in a dry state.**
  Using the cleaning sticks wetted with water or other liquid will cause clogging of the print head.

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

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

Concerning consumable items

⚠️ **WARNING**

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

⚠️ **CAUTION**

🚫 **Do not disassemble Ink cartridges.**
If disassembled, there is a possibility that ink might come into contact with your eyes or skin.

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

🚫 **When handling the ink cartridge, be careful not to let the ink get in your eyes or on your skin.**
If the ink gets in your eye or on your skin, immediately wash it off with water.
If left alone, it could cause bloodshot eyes or light inflammation.
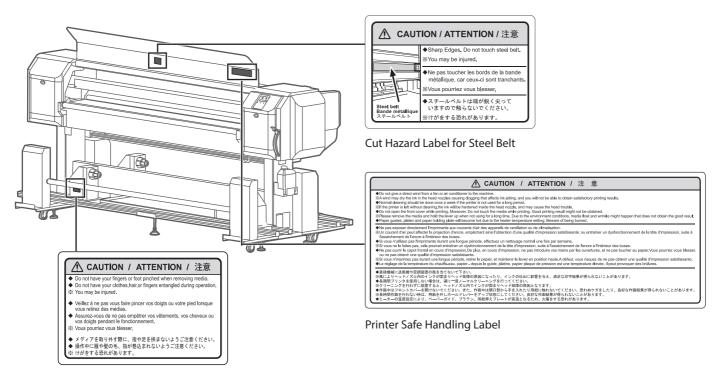Should any anomalies occur, immediately seek medical attention.
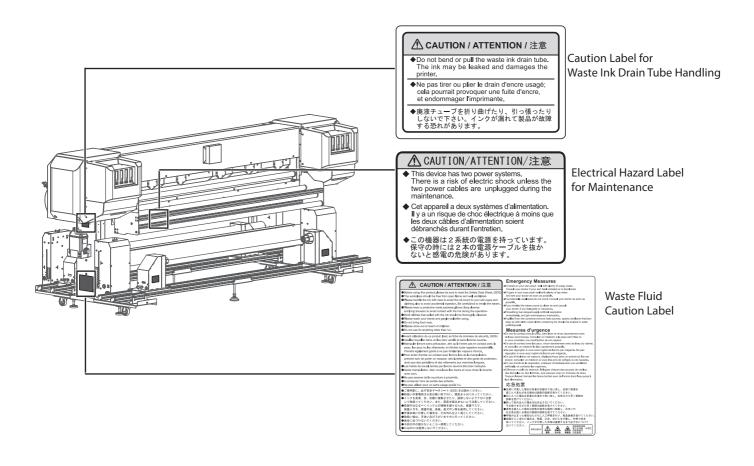
🚫 **During ink charging, abide by the following.**
- **Do not turn off the printer's power.**
- **Do not disconnect the printer's power cable.**
- **Do not open the front cover.**

Warning labels

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

⚠ CAUTION / ATTENTION / 注意

◆Sharp Edges. Do not touch steel belt.
※You may be injured.

◆Ne pas toucher les bords de la bande métallique, car ceux-ci sont tranchants.
※Vous pourriez vous blesser.

◆スチールベルトは端が鋭く尖っていますので触らないでください。
※けがをする恐れがあります。

Steel belt
Bande métallique
スチールベルト

Cut Hazard Label for Steel Belt

⚠ CAUTION / ATTENTION / 注意

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

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

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

Printer Safe Handling Label

⚠ CAUTION / ATTENTION / 注意

◆ Do not have your fingers or foot pinched when removing media.
◆ Do not have your clothes,hair,or fingers entangled during operation.
※ You may be injured.

◆ Veillez à ne pas vous faire pincer vos doigts ou votre pied lorsque vous retirez des médias.
◆ Assurez-vous de ne pas empêtrer vos vêtements, vos cheveux ou vos doigts pendant le fonctionnement.
※ Vous pourriez vous blesser,

◆ メディアを取り外す際に、指や足を挟まないようご注意ください。
◆ 操作中に服や髪の毛、指が巻込まれないようご注意ください。
※ けがをする恐れがあります。

Crush Hazard Label（This label is also applied onto the printer's rear Feeding Unit.）

⚠ CAUTION / ATTENTION / 注意

◆Do not bend or pull the waste ink drain tube. The ink may be leaked and damages the printer.

◆Ne pas tirer ou plier le drain d'encre usagé; cela pourrait provoquer une fuite d'encre, et endommager l'imprimante.

◆廃液チューブを折り曲げたり、引っ張ったりしないで下さい。インクが漏れて製品が故障する恐れがあります。

Caution Label for
Waste Ink Drain Tube Handling

⚠ CAUTION/ATTENTION/注意

◆ This device has two power systems. There is a risk of electric shock unless the two power cables are unplugged during the maintenance.

◆ Cet appareil a deux systèmes d'alimentation. Il y a un risque de choc électrique à moins que les deux câbles d'alimentation soient débranchés durant l'entretien.

◆ この機器は2系統の電源を持っています。保守の時には2本の電源ケーブルを抜かないと感電の危険があります。

Electrical Hazard Label
for Maintenance

Waste Fluid
Caution Label

⚠≤2000m	汉文	仅适用于海拔2000m以下地区安全使用。
	藏文	《2000m ⟨⟨ᢒᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕ
	蒙古文	"རྒྱ་མཚོའི་ངོས་ལས་མཐོ་ཚད་སྐེ2000ཨན་གྱི་ས་ཁུལ་ལོ་ན་ར་ཉེན་མེད་བེད་སྤྱོད་བྱས་འཐུས། "
	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	《ᢒᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕᢕ
	蒙古文	"ཚ་བའི་ས་ཁུལ་གྱི་གནམ་གཤིས་མིན་པའི་ཁུལ་ལོ་ན་ར་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 شارائىتتىدىلا بىخەتەر، ئىشلەتكىلى بولىدۇ

Concerning operation instruction labels

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

1	**2**	3	4

5	6	7	8

Ink color indicating labels

Install ink cartridges that match the colors in the labels.

Tension Weight Adjustment Label

Media Loading Instruction Label

MUTOH