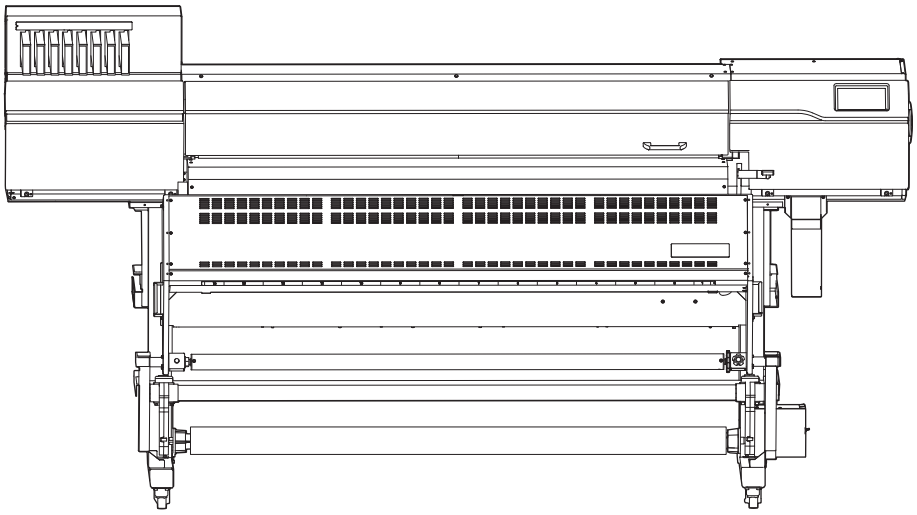
Roland

DIMENSE

DA-640

Setup Guide



Thank you very much for purchasing this product.

- To ensure correct and safe usage with a full understanding of this product's performance, please be sure to read through this manual completely.
- Unauthorized copying or transferal, in whole or in part, of this manual is prohibited.
- The specifications of this product and the contents of this operation manual are subject to change without notice.
- The operation manual and the product have been prepared and tested as much as possible. If you find any misprints or errors, please inform us.
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Checks before Installation

About the Documentation for This Machine

The following documentation is included with the machine.

Paper Manuals

- **Safety Precautions**

  This manual contains points that must be observed.

- **Regular Maintenance Guidelines**

  This manual provides URLs where procedures can be found for the machine's daily maintenance as well as for the maintenance that must be performed periodically.

Electronic-format Manuals

- **Setup Guide (this document)**

  This manual contains details on how to install the machine and how to configure its initial settings.

- **User's Manual**

  This manual contains details such as how to use and maintain the machine as well as an FAQ (a set of frequently asked questions).

You can view and download the electronic-format manuals from the following URL or QR code.

* You can also view and download the paper manuals.

* You can also view this website from a smartphone.

https://downloadcenter.rolanddg.com/DA-640

About Placement and Installation Work

The placement and installation of this machine must be performed by suitably qualified workers.

⚠ WARNING

Entrust operations such as transportation, unloading, and emplacement to trained professionals.
Suitable equipment and technical skills are required in handling the machine. Tasks that require undue effort may result in a major accident.

Power Supply for This Machine

The power supply voltage for this machine is 200 to 240 V. Two power cords are used: one for the printer main unit and oven 1 and one for oven 2. Connect each power cord to a different circuit breaker when using this machine. Power is supplied to the printer main unit from oven 1 through the included relay power cord.

⚠ WARNING

Be sure to use the included power cables to connect to electrical outlets.

If construction to facilitate wiring in the building is required, contact a suitably qualified contractor and use circuit breakers with a capacity of 20 A or less.

Max. Current Consumption

Product total: 32 A

- Oven 1: 16 A (including the 3.5 A current consumption of the printer main unit)
- Oven 2: 16 A

Smoke Absorption and Air Ventilation

Heating in the oven specialized foamed media coated with structural ink generates gas (white smoke). Use a smoke absorber specified by Roland DG Corporation to release to the air this gas that is generated through heating.

Keep the smoke absorber operating while output is in progress.

Also, to maintain the performance of the smoke absorber, perform appropriate maintenance. For information on how to use and maintain the smoke absorber, refer to its user's manual.

In addition to a smoke absorber, install ventilating equipment with sufficient ventilating performance in the location where this machine is installed. Ensure that the indoor air does not remain stagnant for a certain length of time or longer. Also, install this machine in a room that has windows that can be opened and closed manually, that has ventilation and exhaust ports, or is otherwise equipped to allow for ventilation even in the event of power outages or other emergencies that interrupt the supply of power to the equipment.

Deciding On an Installation Site

Install the machine in a quiet, stable location offering good operating conditions. An unsuitable location can cause accidents, fire, faulty operation, or breakdown.

⚠ WARNING

Install the machine in a location that is level, stable, and able to bear the weight of the machine.
The total weight of the machine may reach 340 kg (749.57 lb.) or more. Installation in an unsuitable location may cause a major accident, including tip over, fall, or collapse.

⚠ WARNING

Never install this machine outside or in any location where exposure to water or high humidity may occur.
Current leakage may cause electrical shock or fire.

⚠ WARNING

Never install the machine close to any flammable object or in a gas-filled location.
Combustion or explosion could occur.

⚠ WARNING

Install the machine in a clean, brightly lit location.
Working in a location that is dark or cluttered may lead to an accident, such as becoming caught in the machine as the result of an inadvertent stumble.

⚠ WARNING

Position the machine so that the power plug is within immediate reach at all times.
This is to enable quick disconnection of the power plug in the event of an emergency. Install the machine next to an electrical outlet. Also, provide enough empty space to allow immediate access to the electrical outlet.

⚠ CAUTION

Ensure adequate ventilation for the work area.
Failing to perform ventilation may result in a health hazard due to ink fumes.

Unsuitable installation sites

- Locations subject to large fluctuations in temperature or humidity
- Locations subject to shaking or vibration
- Locations where the floor is tilted, not level, or unstable
- Dusty locations
- Locations exposed to direct sunlight
- Locations near air-conditioning or heating equipment
- Locations with insufficient ventilation
- Locations exposed to water or moving air

- Locations exposed to considerable electrical or magnetic noise or other forms of electromagnetic energy

Temperature and Humidity

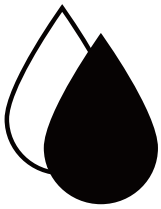
Maintain the specified temperature and humidity even when the machine is not in use. Failure to do so may result in malfunction.



Temperature

20˚C to 30˚C (68˚F to 86˚F)

(During non-operation: 5˚C to 40˚C [41˚F to 104˚F])



Humidity

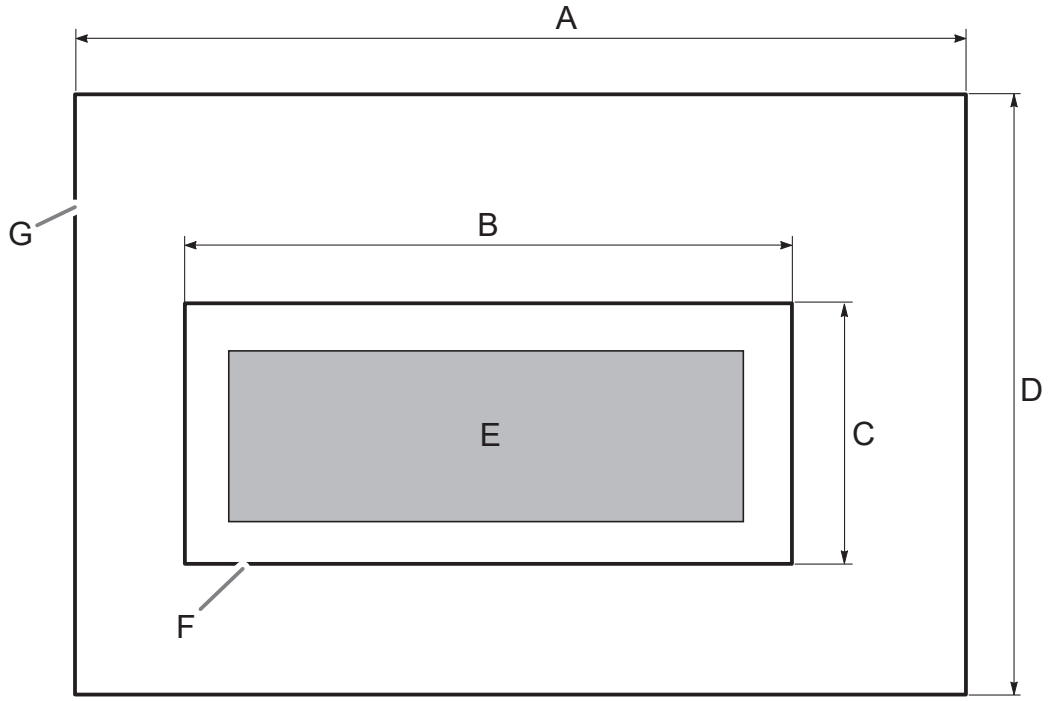
40%RH to 65%RH

(During non-operation: 20%RH to 80%RH)

(no condensation)

Installation Space

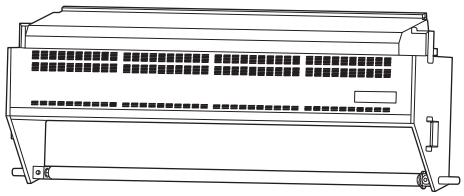
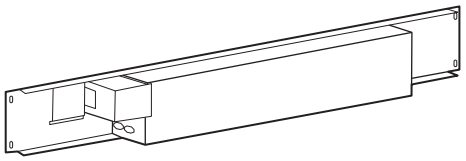
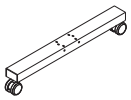
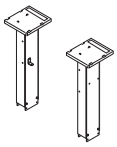
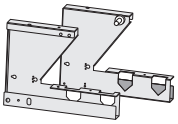
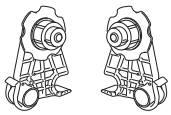
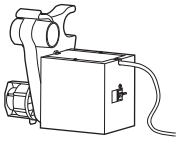
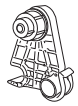
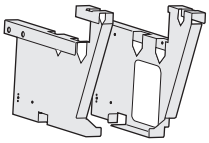
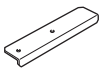
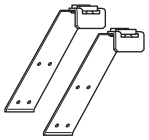
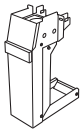
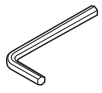
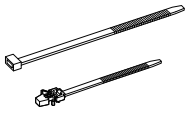
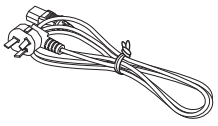
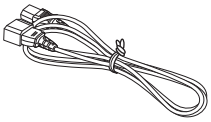
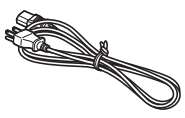
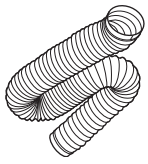
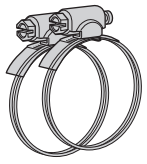
The space shown in the figure is required in order to use this machine.

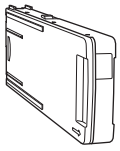
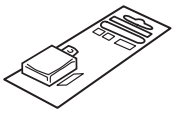
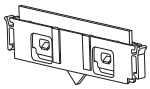
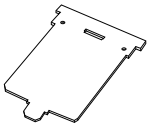
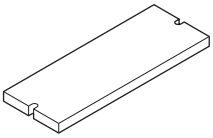
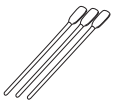
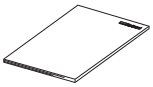


A	4,500 mm (177.2 in.)
B	3,500 mm (137.8 in.)
C	1,500 mm (60 in.)
D	2,500 mm (98.43 in.)
E	Unit
F	Unit space
G	Work space

Checking the Included Items

The following items are included with the machine. Make sure they are all present and accounted for.

<table>
<tr><td colspan="2">
Oven (1)</td><td colspan="2">
Stand stay (with power supply unit; 1)</td></tr>
<tr><td>
Casters (2)</td><td>
Stand legs (1 each for right and left)</td><td>
Shafts (4)</td><td>
Rear tension bar (1)</td></tr>
<tr><td>
Arms (1 each for right and left)</td><td>
Media holders (1 each for right and left)</td><td>
Control box and motorized media holder (1)</td><td>
Left media holder (1)</td></tr>
<tr><td>
Stay (1 each for right and left)</td><td>
Shaft clamps (large; 4)</td><td>
Shaft clamps (small; 2)</td><td>
Media stays (2)</td></tr>
<tr><td>
Media guides (2)</td><td>
Drain bottle stand (1)</td><td>
Drain bottle (1)</td><td>
Bolts (60)</td></tr>
<tr><td>
Hexagonal wrench (1)</td><td>
Cable clamps (11)</td><td>
Cable ties (long; 2)
Cable ties (short; 5)</td><td>
Power cords (2)</td></tr>
<tr><td>
Relay power cord (1)</td><td>
Smoke absorber power cord (1)</td><td>
Duct hose (1)</td><td>
Duct hose bands (2)</td></tr>
</table>

 Cleaning cartridge (1)	 Paper tube (1)	 Replacement blade for separating knife (1)	 Tweezers (1)
 Replacement wiper (1)	 Replacement wiper cleaner (1)	 Replacement flushing sponges (2)	 Droppers (2)
 Cleaning liquid bottles (2)	 Cleaning sticks	 Manuals	

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1. Assembly and Ink Filling

Checks before Operations

⚠ WARNING

Entrust operations such as transportation, unloading, and emplacement to trained professionals.

Suitable equipment and technical skills are required in handling the machine. Tasks that require undue effort may result in a major accident.

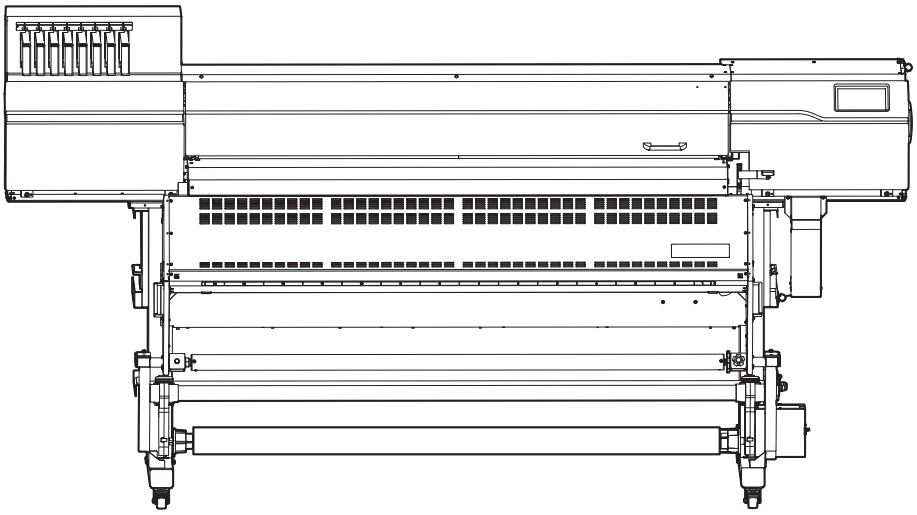
⚠ CAUTION

Unloading and emplacement are operations that must be performed by 7 persons or more.

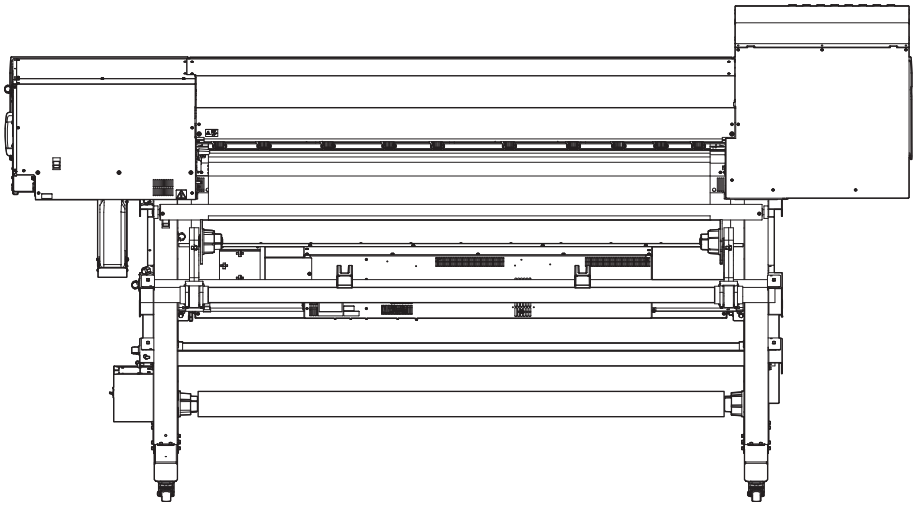
Tasks that require undue effort when performed by a small number of persons may result in physical injury. Also, if dropped, such items may cause injury.

Completed Drawing

Front



Rear



Necessary Tools (Included Items)

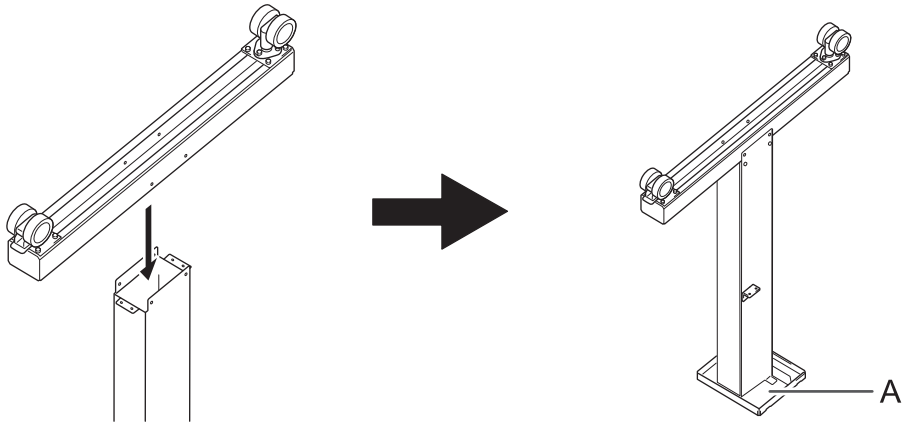
- Hexagonal wrench (1)

Step 1: Assembling the Stand

Procedure

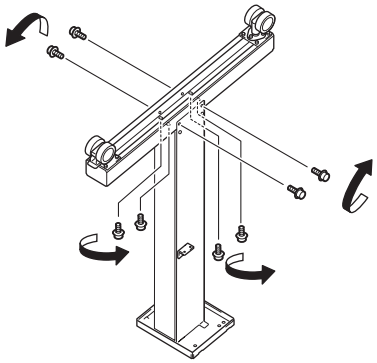
1. **Place the caster on the stand leg.**

Place the stand leg with the tabletop plate (A) facing down, and then place the caster on top of the stand leg. The casters have no particular front and rear orientation.

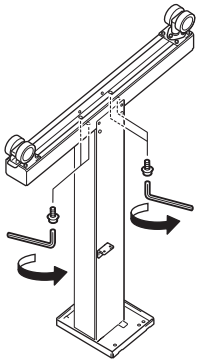


2. **Use eight bolts to secure the caster.**

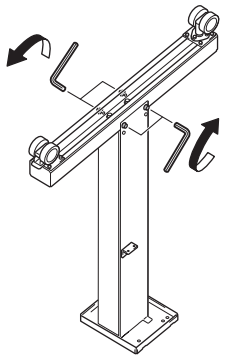
(1) **Temporarily tighten the bolts in the four lower locations and then in the four locations on the sides.**



(2) **Fully tighten the bolts in the four lower locations.**



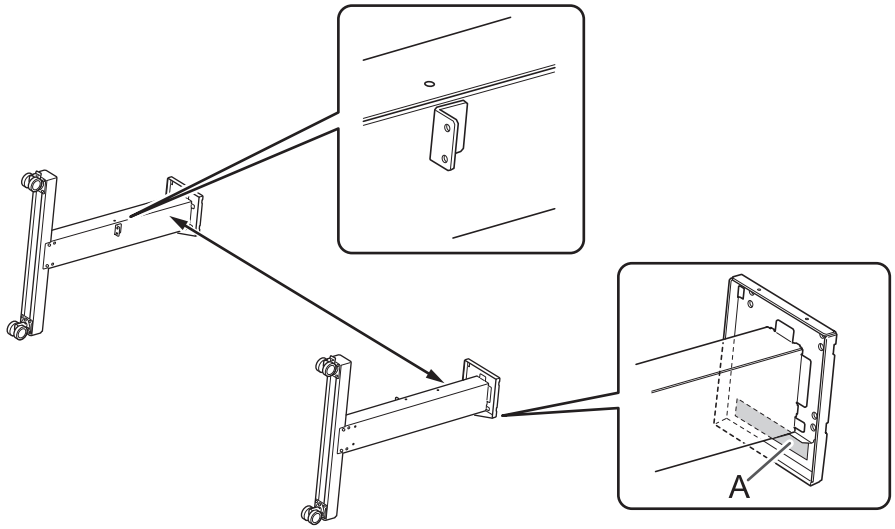
(3) **Fully tighten the bolts in the four locations on the sides.**



3. **Assemble the opposing stand leg by following the same procedure from step 1 to step 2.**

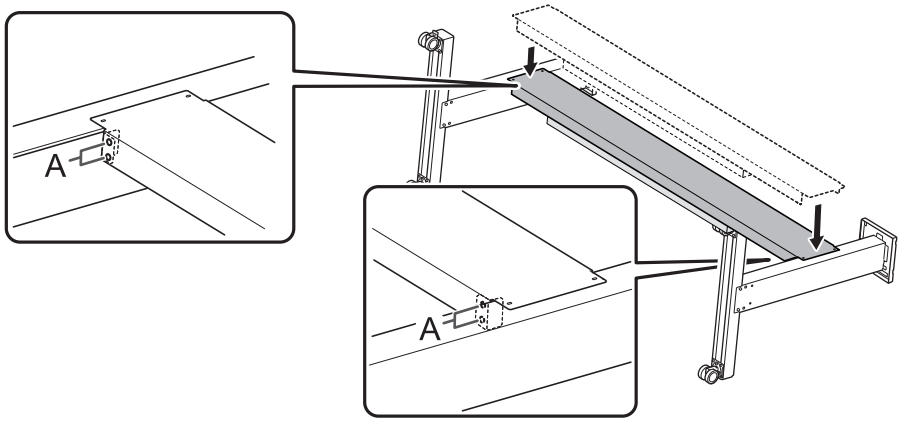
4. **Position the left and right stand legs parallel to each other and separated by approximately 1,800 mm (70.87 in.).**

Position the legs so that the L-shaped brackets face the inside and the side of the tabletop plate with the hole (A) faces down for each leg.



5. **Place the stand stay (with power supply unit) on the stand legs.**

Position the stand stay with attachment holes (A) toward the casters.



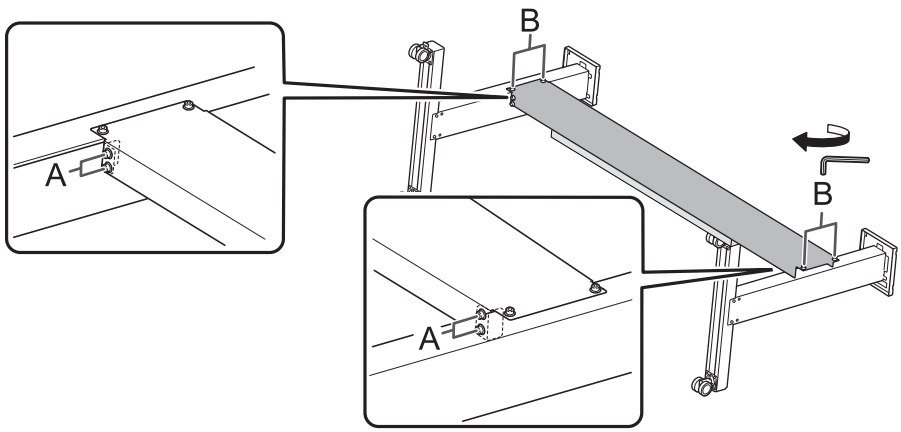
6. **Use eight bolts to secure the stand stay.**

(1) **Temporarily tighten the bolts in the four locations indicated with A followed by the four locations indicated with B.**

(2) **Fully tighten the bolts in the four locations indicated with A.**

(3) **Fully tighten the bolts in the four locations indicated with B.**

Tighten the bolts securely. Loose bolts may cause the stand to wobble.



7. Set the stand upright.

IMPORTANT

Be sure to perform this operation with two workers, each one holding one stand leg. If only one worker performs this operation, the stand stay may bend.

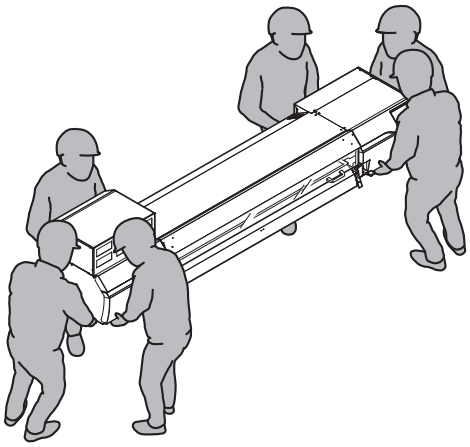
Step 2: Attaching the Printer Unit and the Stand

⚠ CAUTION

Unpacking and installation must be carried out by 7 persons or more.
Failure to observe this instruction may cause the machine to fall over, resulting in injury.

Procedure

1. **With six or more workers, lift up the printer unit.**



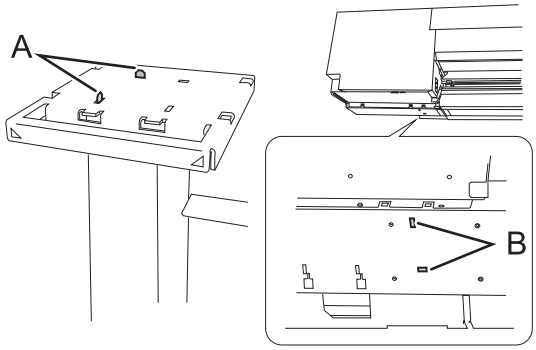
2. **Move the stand under the printer unit.**

The stand must be moved by a worker other than those indicated in step 1.

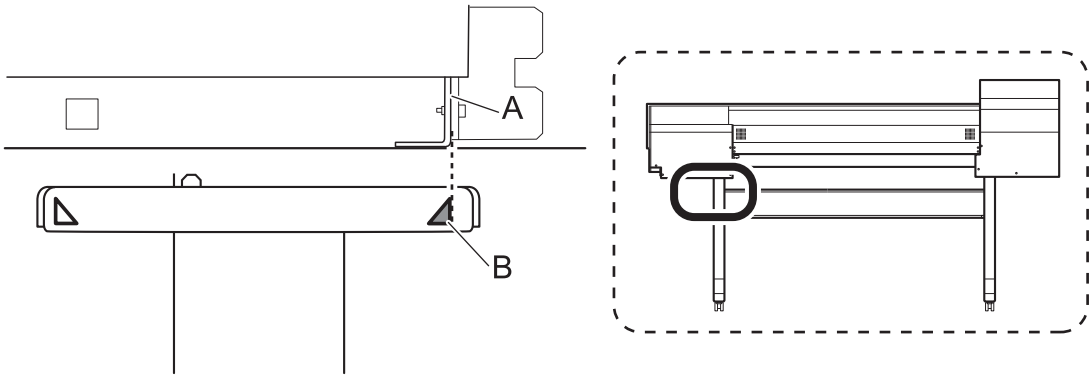
3. **Align the printer unit and the stand.**

IMPORTANT

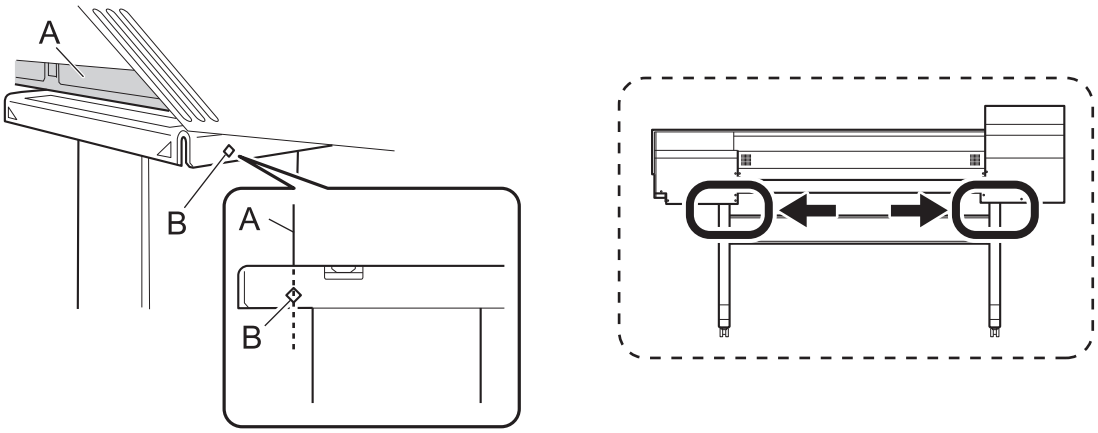
There are protrusions (A) on the tabletop plate. Inserting these protrusions into the slits (B) on the printer unit allows for alignment to the front, back, left, and right. After aligning these items, place the printer unit on the stand.



(1) **Align the surface of the printer unit (A) and the vertical line of the triangle mark (B) on the stand as seen from the rear of the printer. (Align the left and right sides.)**



(2) **Align the surface of the printer unit (A) and the center position of the rhombus mark (B) on the stand as seen from the inside to the outside. (Align the front and rear sides.)**



4. **Place the printer unit on the stand.**

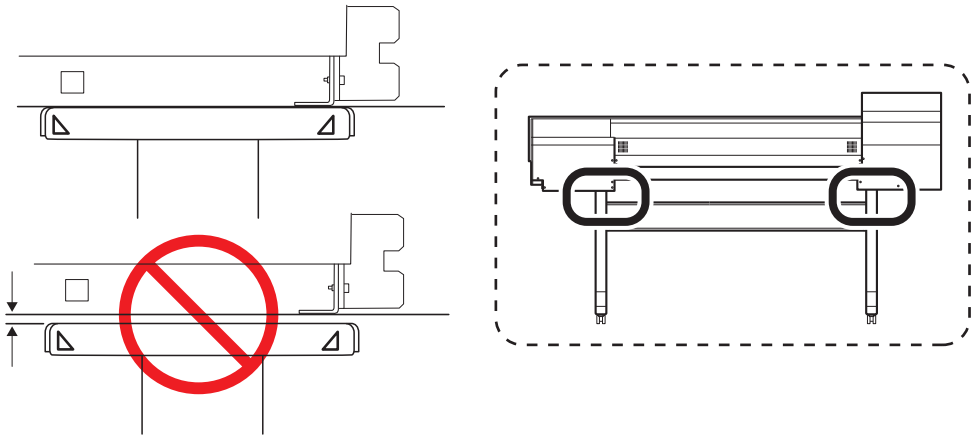
IMPORTANT

Be sure to have workers support the printer unit until the temporary tightening of bolts in step 6. This unit may fall over if it is released before being fixed in place with bolts in step 6.

5. **Make sure there are no gaps between the tabletop plates of the left and right stands and the printer unit.**

MEMO

The printer's center of gravity is at its back, so there may be a gap at the front of the printer.

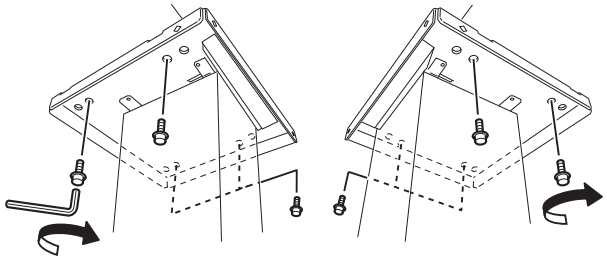


6. Secure the printer unit on the stand.

(1) Lift the back of the printer up slightly to make it level.

(2) Temporarily tighten the eight bolts.

(3) Fully tighten the eight bolts.



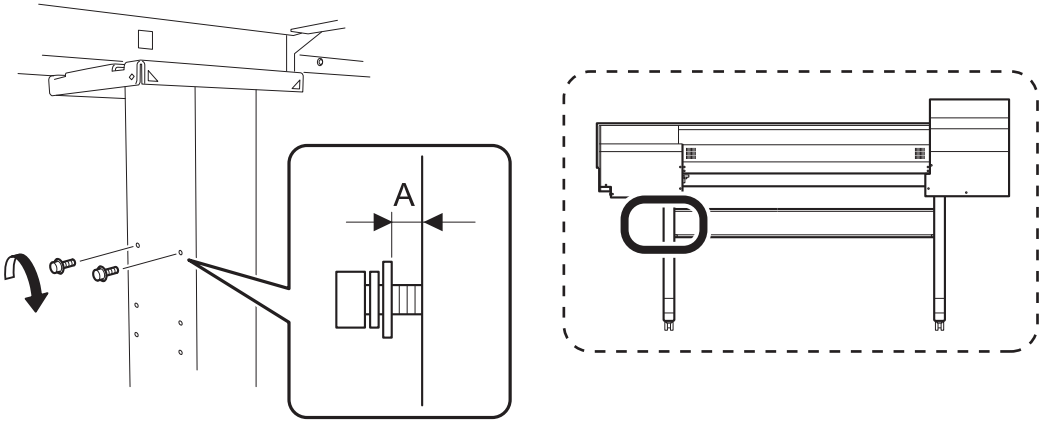
Step 3: Installing the Media Holders and Media Stays

1. Attach the arms.

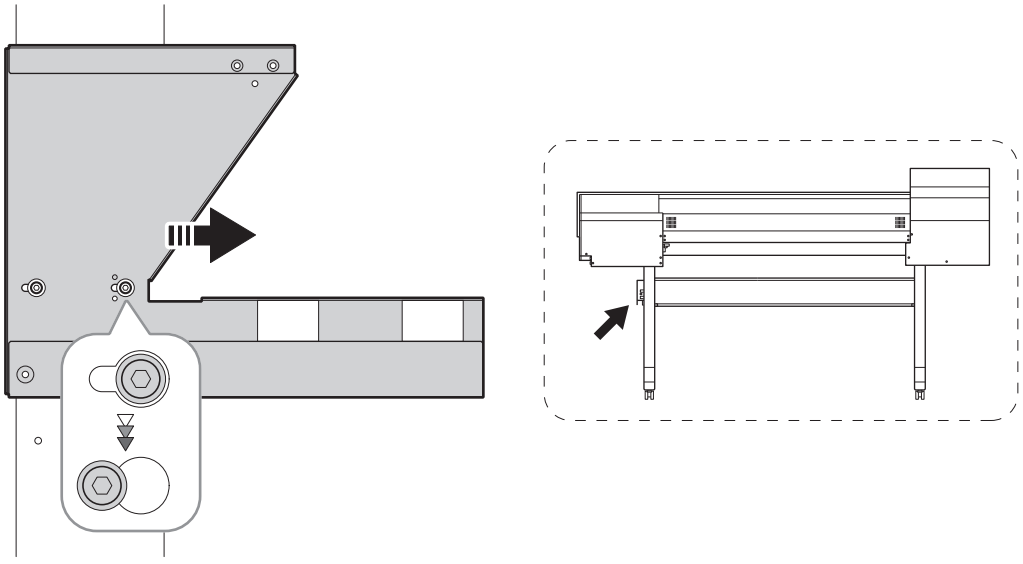
Procedure

1. **Temporarily tighten the bolts on the left stand as seen from the rear of the printer.**

Tighten the bolts in the holes on the side of the stand until you can see approximately 5 mm (0.2 in.) of their threads (A).

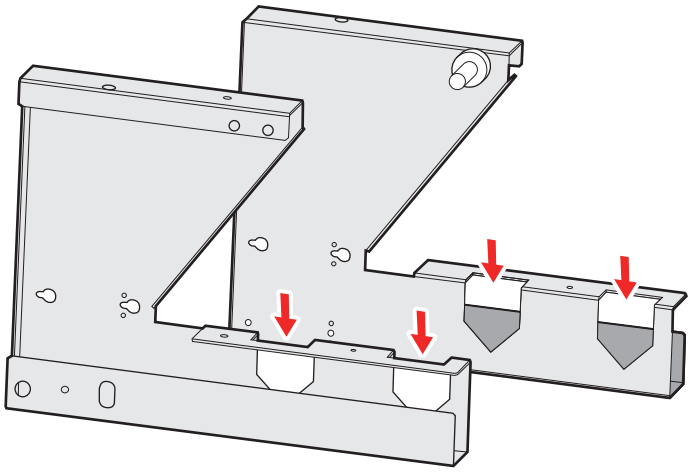


2. **Attach the left arm to the temporarily tightened bolts, and then slide this arm to the right.**

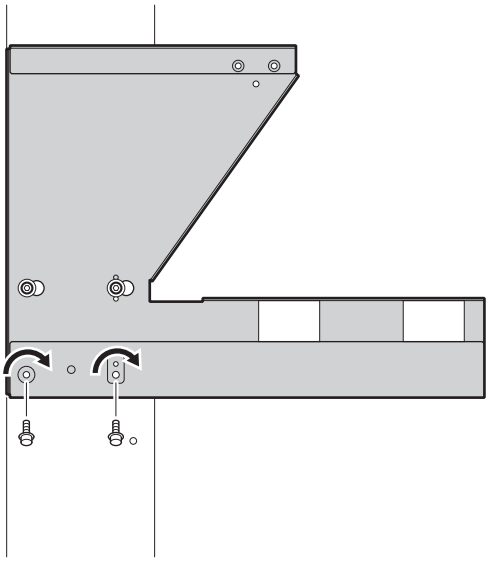


MEMO

Each arm can only be used on the left or right side. Attach the stays so the holes shown with arrows in the following figure face the center (inside) of the printer.



3. **Temporarily tighten the bolts at the bottom of the left arm.**

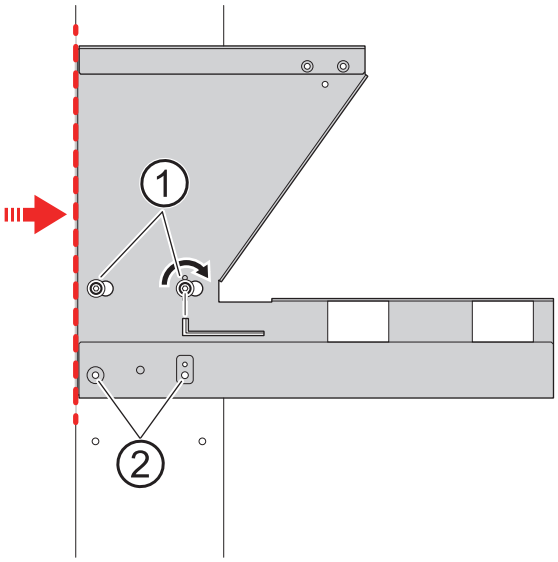


4. **By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.**

MEMO

Hold the pieces together so there is no gap between the left arm and stand when tightening the bolts.

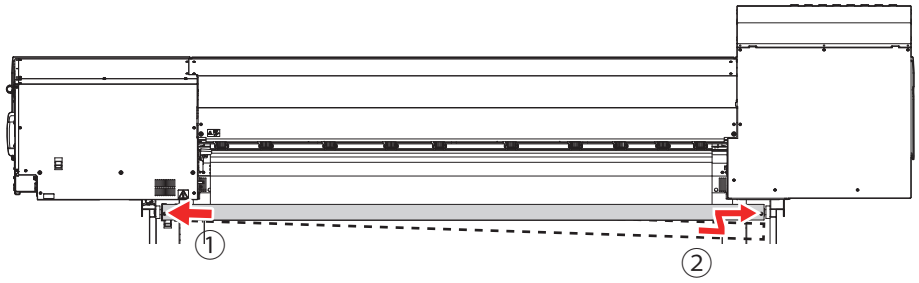
5. **Align the ends of the arm and stand as shown in the figure, and then use a hexagonal wrench to fully tighten the upper bolts (①) followed by the lower bolts (②).**



6. **In the same manner, attach the right arm as seen from the back of the printer.**

   Perform steps 1 to 3. At this point, only temporarily tighten the bolts.

7. **Insert the rear tension bar into the protrusion on the left arm, and then insert the bar into the protrusion on the right arm.**



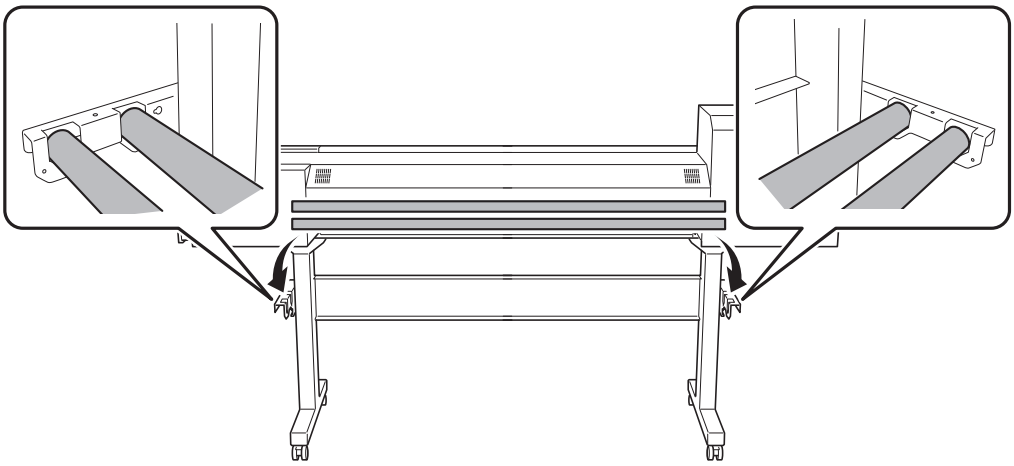
8. **While supporting the rear tension bar to prevent it from falling, tighten the bolts by hand until there is no gap.**

9. **Fully tighten the bolts on the right arm, the same as step 5.**

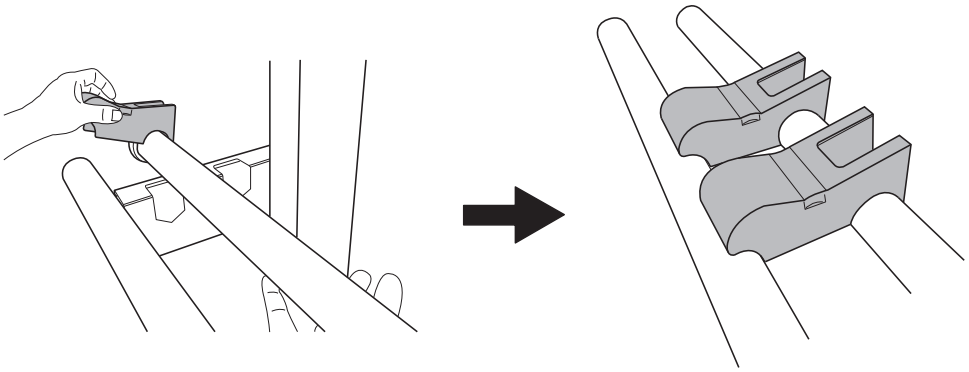
2. Attach the media holders.

Procedure

1. Place the two shafts on the arms.



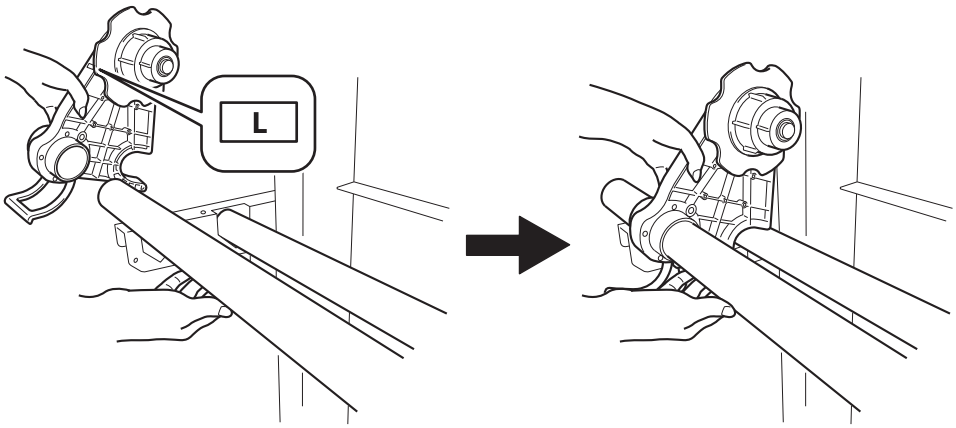
2. Pass the rear shaft through the two media stays.



3. Attach the left media holder.

(1) Pass the front shaft through the left media holder.

(2) Catch the left media holder on the rear shaft.

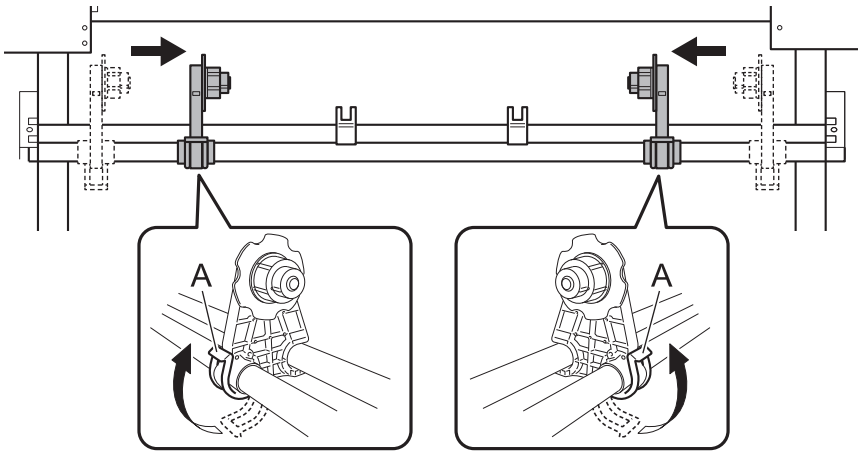


4. Attach the right media holder in the same manner.

Use the media holder with an R label.

5. **Raise the levers (A) to secure the left and right media holders.**

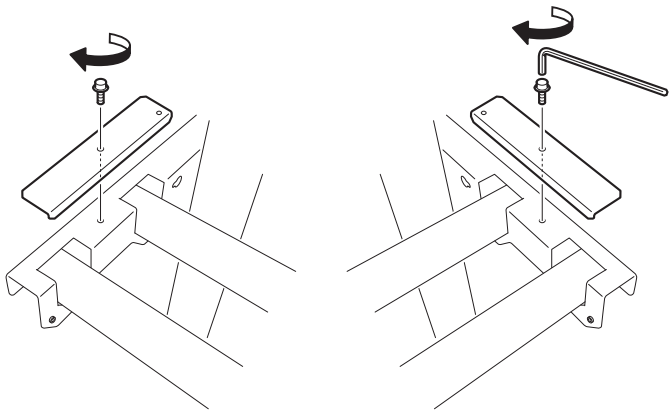
Position the media holders approximately 100 mm (3.94 in.) from the edges.



6. **Attach the (large) shaft clamps, securing the shafts with two bolts.**

MEMO

Ensure the media holders do not get caught in the shaft clamps.

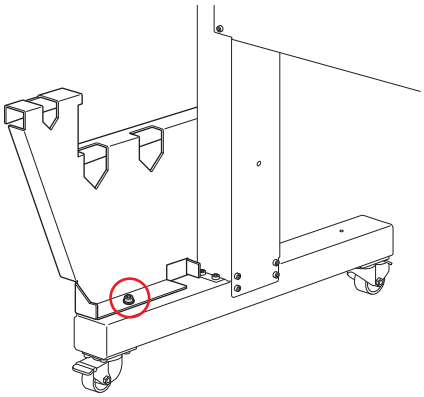


Step 4: Assembling the Media Take-up Unit

1. Attaching the Stays

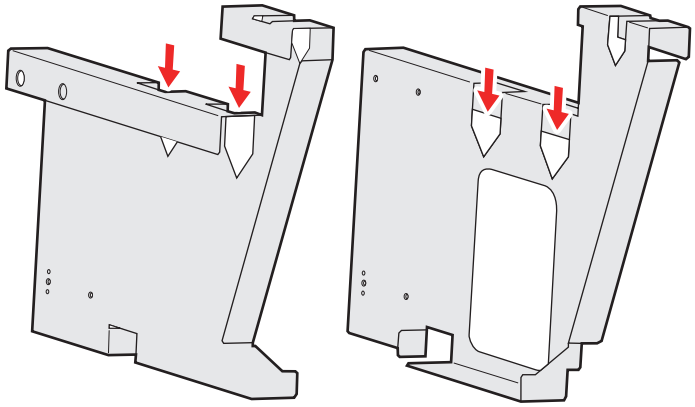
Procedure

1. **Place the left stay on the left stand as seen from the front of the printer, and then temporarily tighten the bolt shown in the figure.**

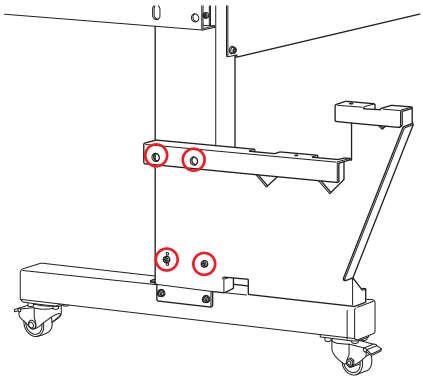


MEMO

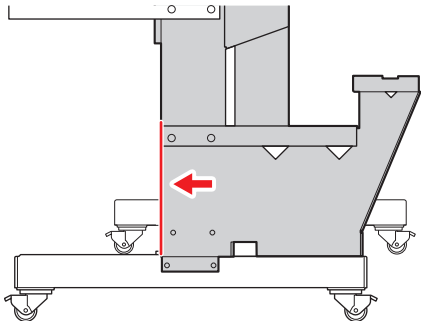
The stays for the left and right are different. Attach the stays so the holes shown with arrows in the following figure face the center (inside) of the printer.



2. **Temporarily tighten the bolts at the bottom of the left stay, followed by the bolts at the top.**



3. **Use a hexagonal wrench to fully tighten the bolts temporarily tightened in steps 1 and 2.**



IMPORTANT

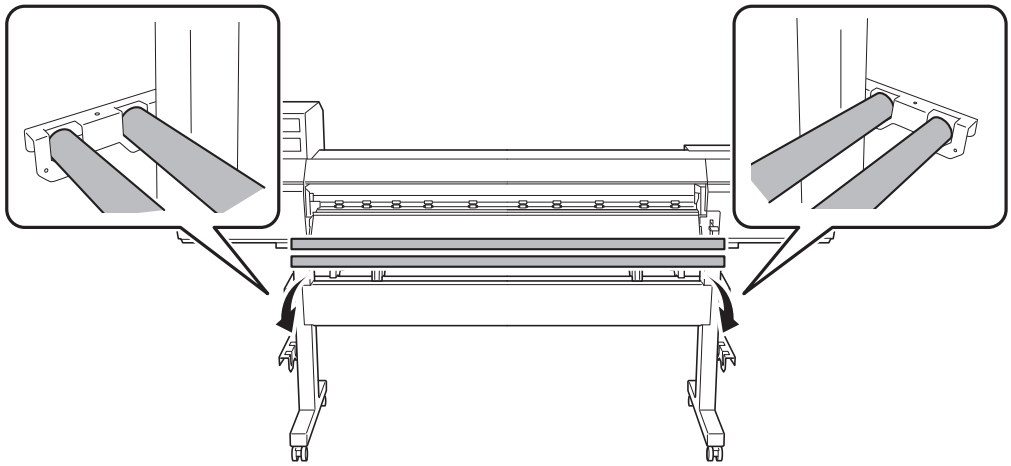
Hold the pieces together so there is no gap between the left stay and stand when tightening the bolts.

4. **In the same manner, attach the right stay as seen from the front of the printer.**

2. Attaching the Media Holders and the Control Box

Procedure

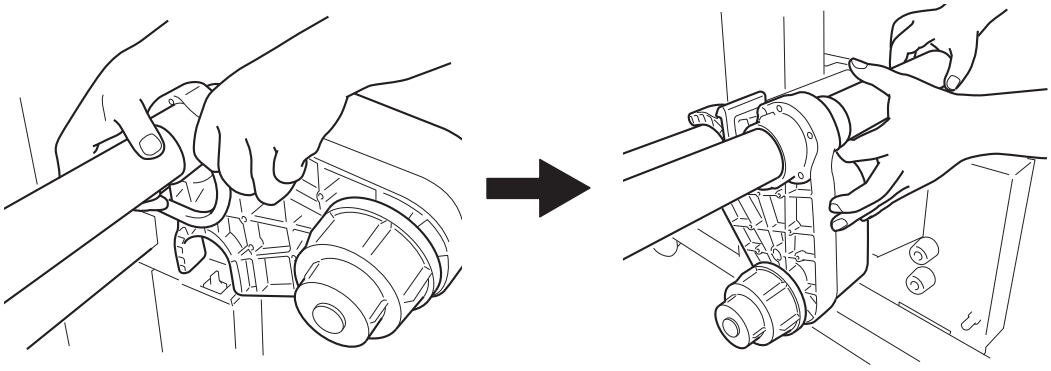
1. **Place the two shafts on the stay.**



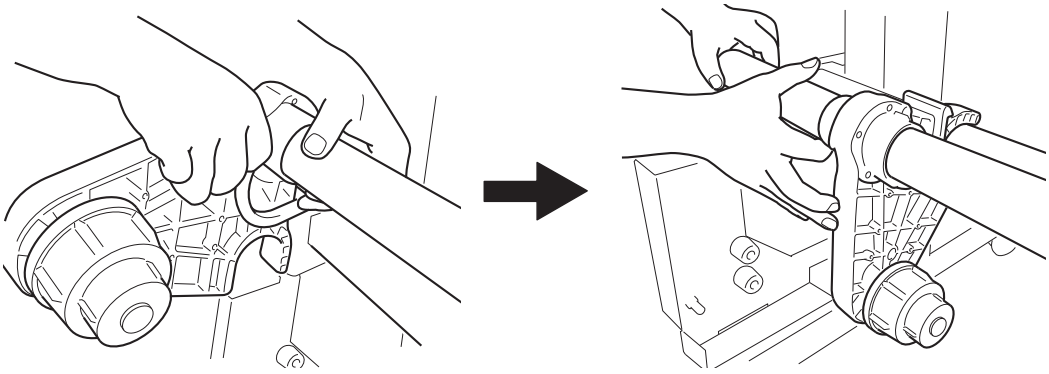
2. **Pass the shaft through the motorized media holder.**

(1) **Pass the front shaft through the motorized media holder.**

(2) **Catch the motorized media holder on the rear shaft.**

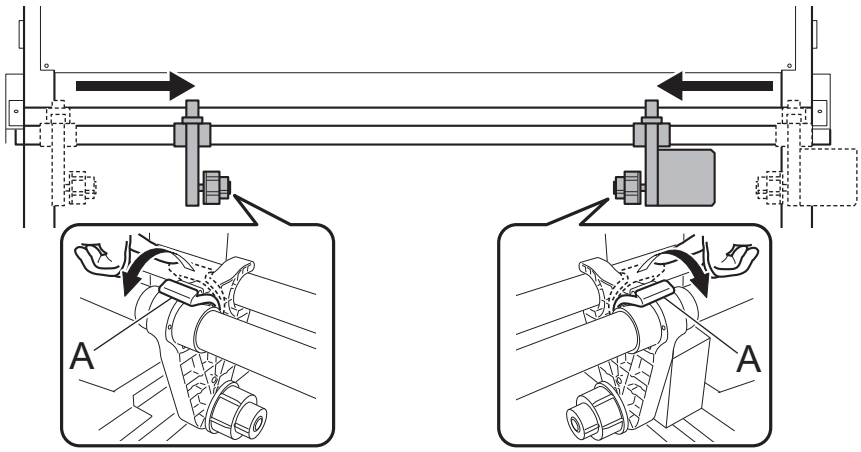


3. **In the same manner, pass the shaft through the left media holder on the left side of the printer as seen from its front.**



4. **Lower the levers (A) to secure the left and right media holders.**

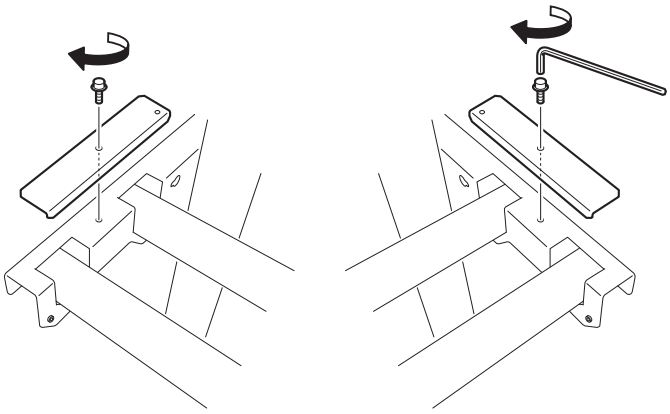
Leave approximately 100 mm (3.94 in.) of space from the edges.



5. **Attach the (large) shaft clamps, securing the shafts with two bolts.**

IMPORTANT

Ensure the media holders do not get caught in the shaft clamps.



3. Attach the cable clamps and the cable.

Leave this work to a suitably qualified worker.

⚠ CAUTION

Leave this work to a suitably qualified worker.

This procedure includes work near sources of electrical danger and complex assembly work. Incorrect work may result in injury and mechanical malfunction.

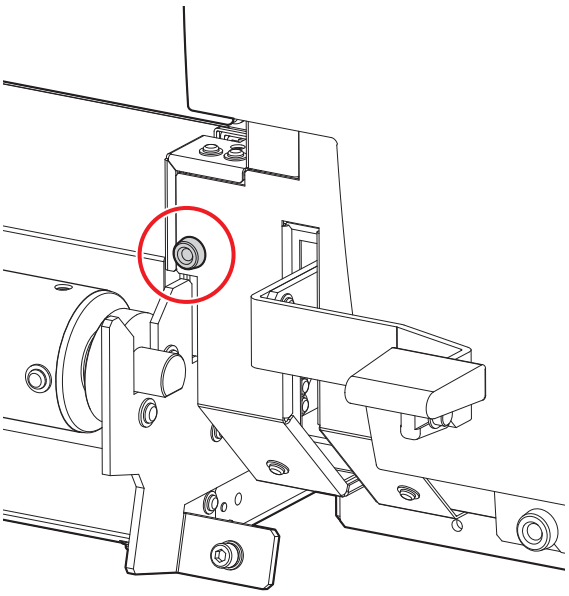
Step 5: Attaching the Oven

1. Attaching the Oven

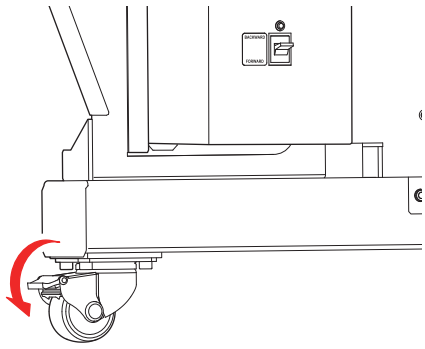
Procedure

1. **Open the front cover.**

2. **Remove the screw shown in the figure and remove the tape.**



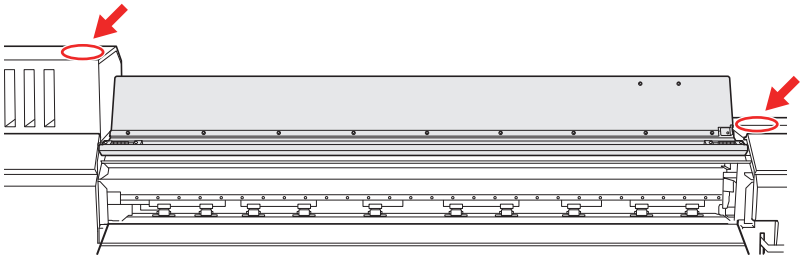
3. **Lock the stand casters.**



Lock all four casters.

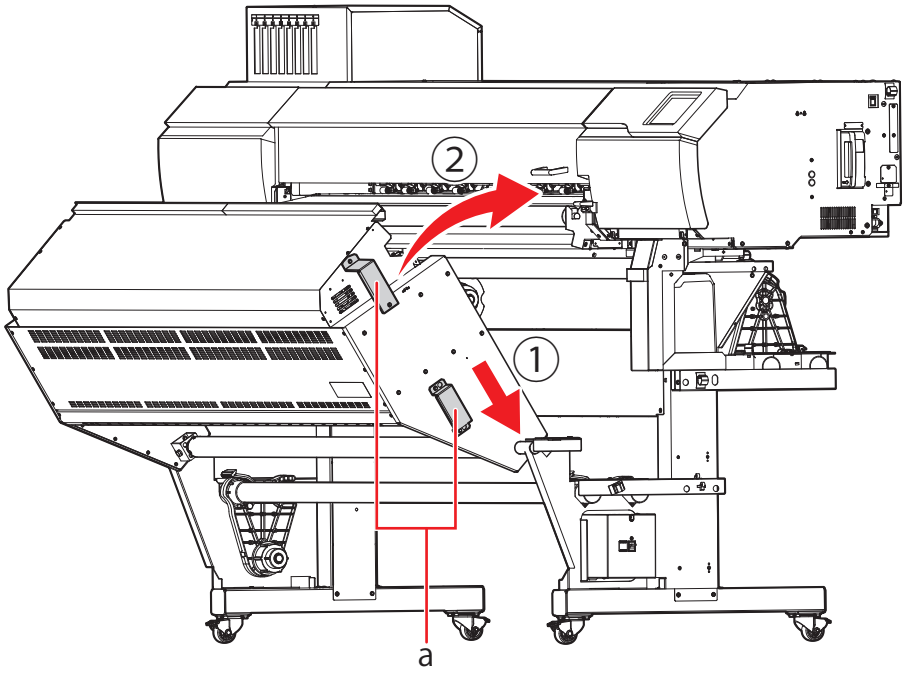
4. **Place two bolts in each of the positions indicated with the red arrows in the figure.**

Prepare these bolts in advance to allow you to temporarily tighten them with a single hand in the work of steps 6 and 7 without having to change your posture.

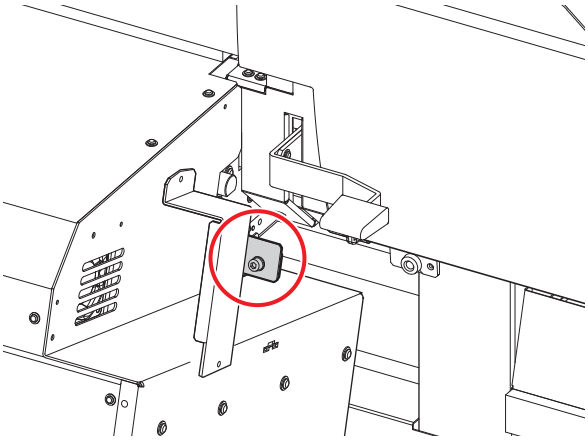


5. **Grasp the handles (a) and lift the oven, insert it into the holes on the stay (①), and then gently lower the oven to the printer side (②).**

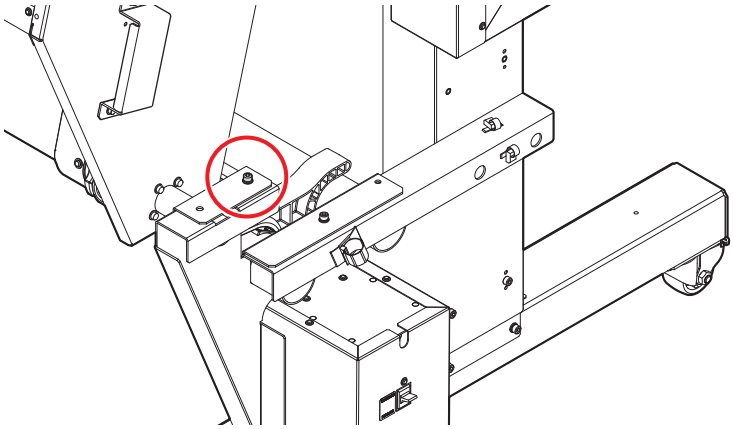
Do not release the handles yet.



6. **While supporting the oven with one hand, use your other hand to temporarily tighten the bolt.**

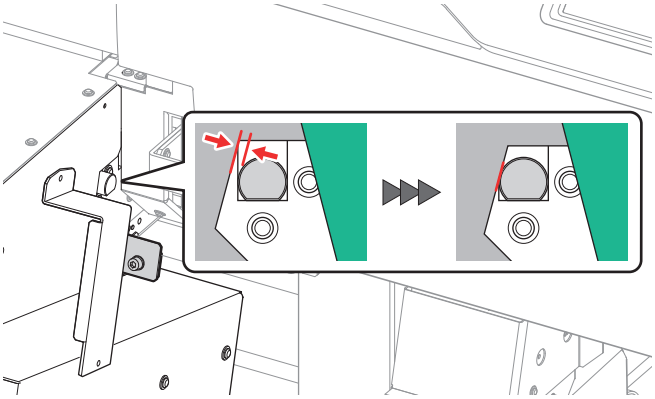


7. **Attach a (small) shaft clamp, and then temporarily tighten its bolt.**



8. **Use a hexagonal wrench to fully tighten the bolts from steps 6 and 7 (two bolts on the left side and two on the right side).**

   Tighten the bolts until they stop turning. When a bolt is tightened appropriately, the gap shown in the figure disappears, and the printer and oven are fitted tightly together.



2. Connect the cables.

Leave this work to a suitably qualified worker.

⚠ CAUTION

Leave this work to a suitably qualified worker.

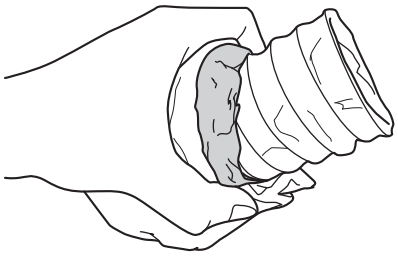
This procedure includes work near sources of electrical danger and complex assembly work. Incorrect work may result in injury and mechanical malfunction.

Step 6: Connecting the Smoke Absorber

Connect the exhaust port of the oven and the air supply port of the smoke absorber with a duct hose and fix this hose in place with duct hose bands.

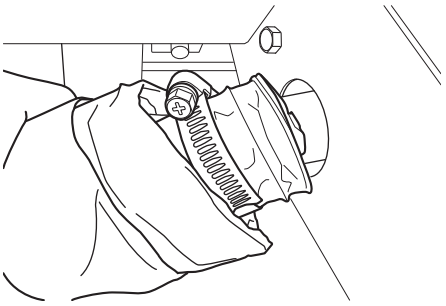
Procedure

1. **Pull back approximately 100 mm (3.94 in.) of the covering from the end of the duct hose, uncovering the lowest layer of the hose.**



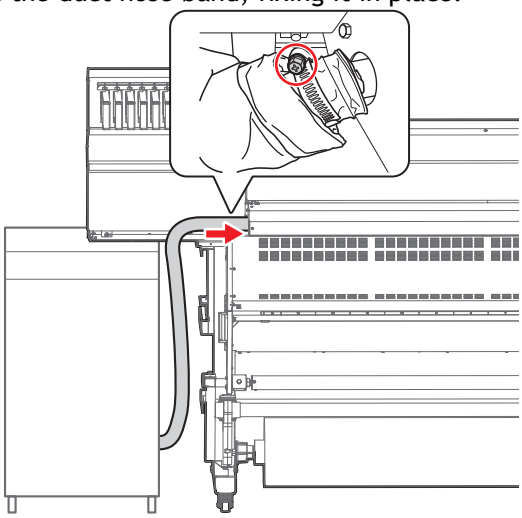
2. **Fit the duct hose band only on the lowest layer of the duct hose.**

   Fit the duct hose band on the duct hose at a position approximately 50 mm (1.97 in.) from the end of the hose.



3. **Insert the duct hose into the exhaust port of the oven and fix this hose in place with a duct hose band.**

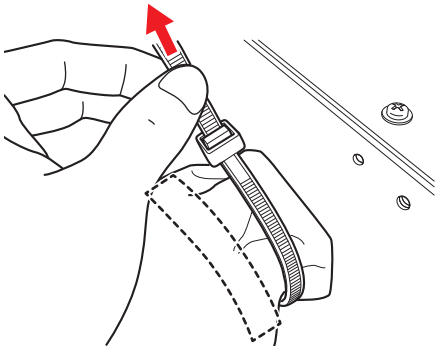
   Use a screwdriver to tighten the duct hose band, fixing it in place.



4. **Return the covering pulled back in step 1 to its original position, and then place the duct cover on top.**

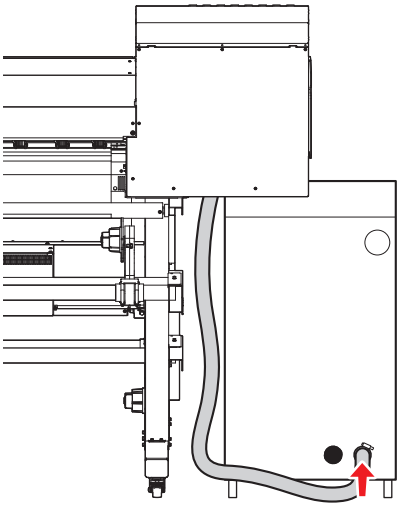
5. **Use a (long) cable tie on top of the duct cover to fix it in place.**

   Fix the (long) cable tie in place between the duct hose band and the printer. In the following figure, the duct hose band is in the location indicated with the dotted line.



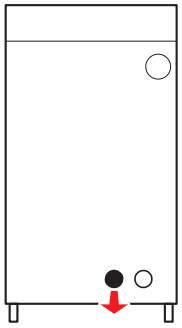
6. **Insert the duct hose into the air supply port (the one without a cap) on the right side of the smoke absorber, and then fix this hose in place with a duct hose band and a (long) cable tie.**

   Perform the same operations in steps 1 to 5 to attach a duct hose to the smoke absorber side as well.



7. **Remove the cap from the air supply port on the back of the smoke absorber.**

   Air in the room is taken in through the air supply port to which no hose is connected, so you must not leave the cap on this port.



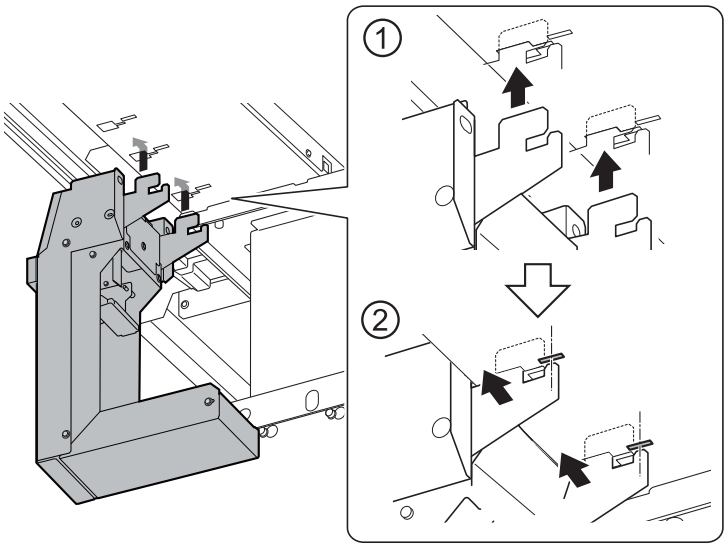
8. **Release the exhaust from the smoke absorber to the air.**

   Leave the connection of the exhaust port of the smoke absorber and the equipment that discharges the smoke outside to a suitably qualified worker.

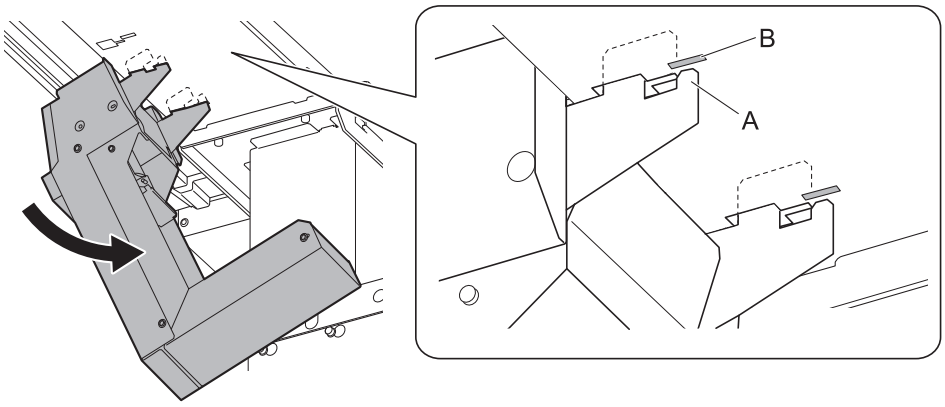
Step 7: Installing the Drain Bottle

Procedure

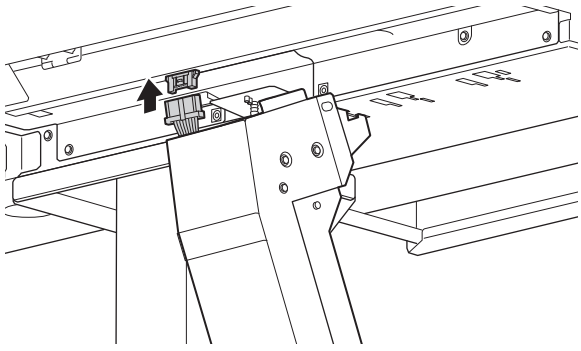
1. **Insert the drain bottle stand into the grooves ①, and then slide it in the direction indicated in the figure ②.**



Insert the hooks (A) into the grooves (B), matching the status indicated in the figure.

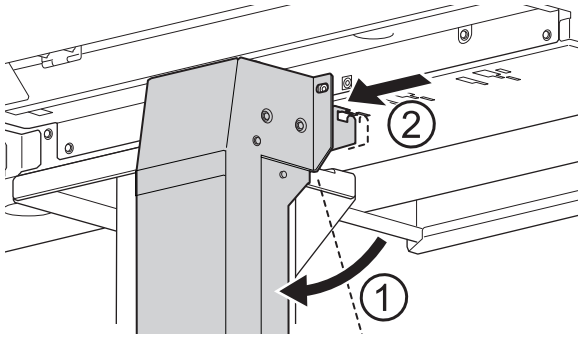


2. **Connect the drain bottle stand connector to the unit.**

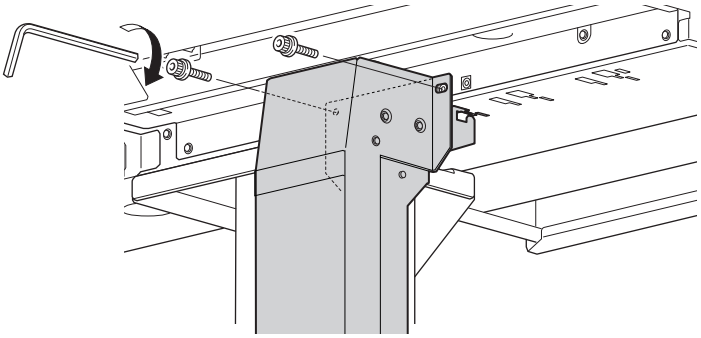


3. **Stand up the drain bottle stand so it is vertical ①, and then slide it in the direction indicated in the figure ②.**

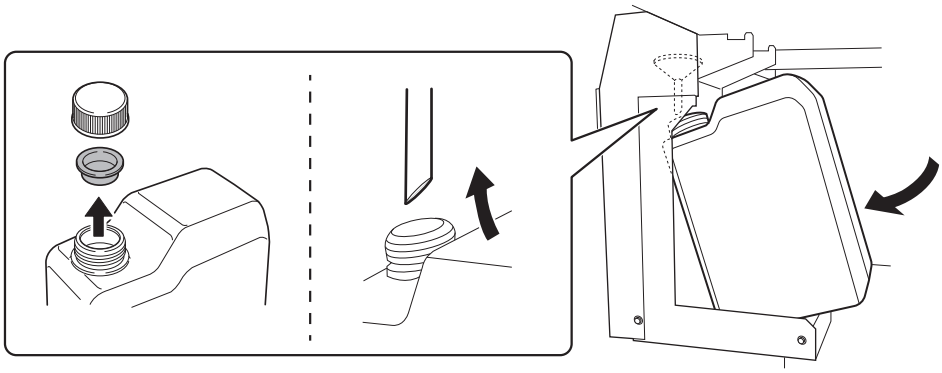
Stand up the drain bottle stand until the hooks come completely free from the grooves.



4. **Fully tighten the two bolts to secure the drain bottle stand.**



5. **Install the drain bottle in the bottle stand.**



Step 8: Removing the Handles and the Retainers

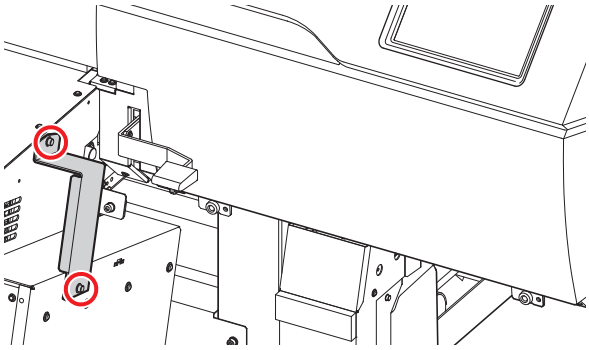
IMPORTANT

- Make sure to remove all the retainers. Any that remain may cause faulty operation or breakdown when the power is switched on.
- Attach the handles and retainers in the specified locations because these parts are needed again when transporting the machine.

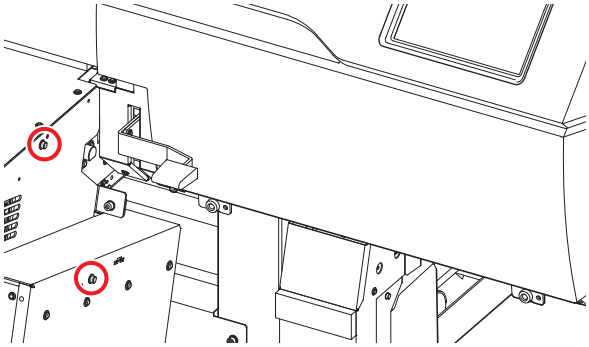
Procedure

1. Remove the handle at the top of the oven and attach it to the stand stay.

(1) **Remove the bolts securing the handle at the top of the oven.**

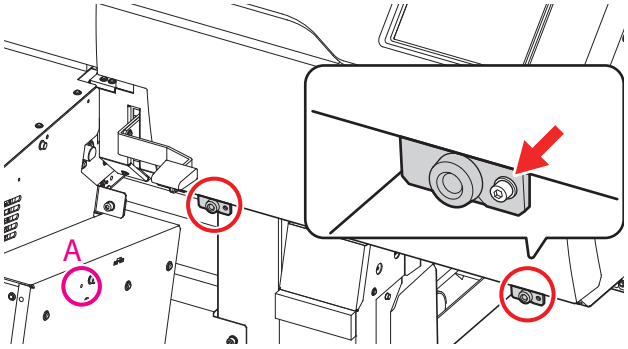


(2) **Attach the removed bolts in their original positions.**



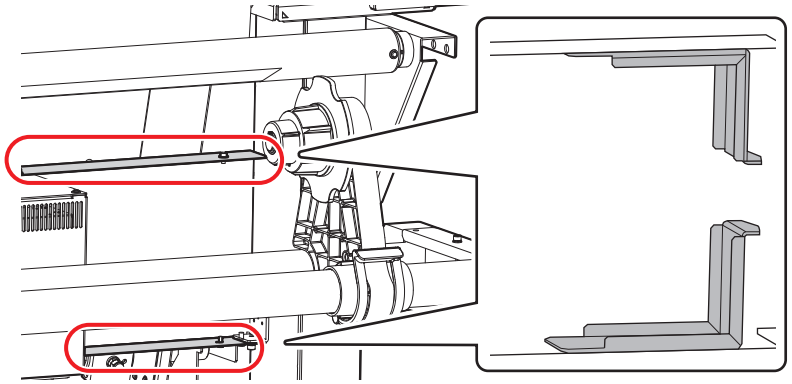
(3) **Remove the bolts securing the right cover, and then attach one of these bolts in the position (A) shown in the figure.**

Position (A) is right next to the location where a bolt was attached in step (2).



(4) **Use the other bolt to attach the handle in the position shown in the figure on the rear of the main unit.**

You can attach two handles to the stand stay (the top and bottom locations shown in the illustration). Attach the handle in one of these locations.

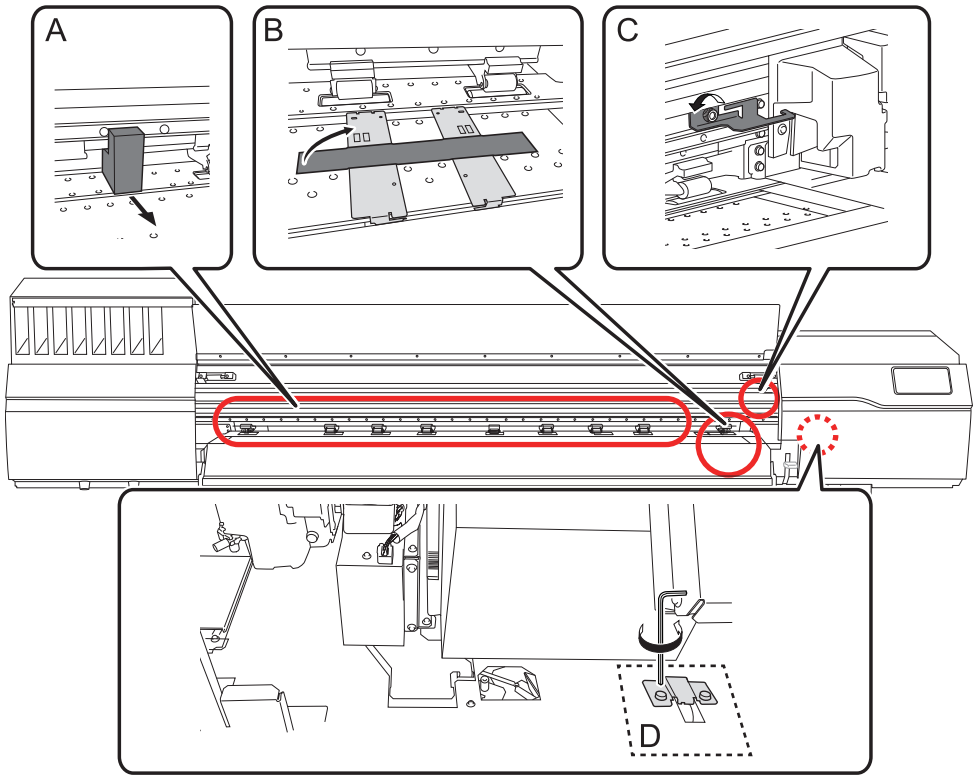


(5) **Perform the same work for the left handle and the left cover.**

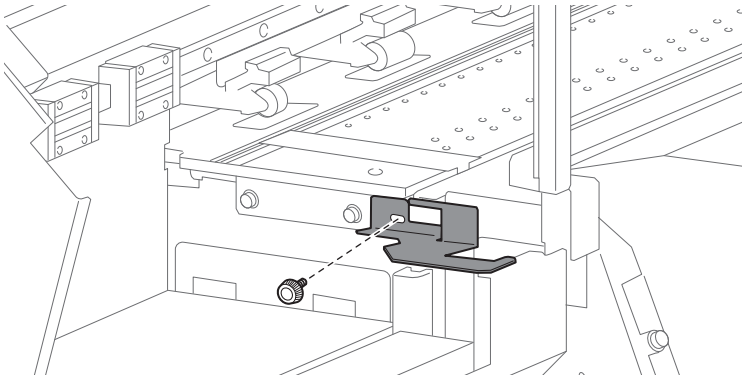
2. **Open the front, left, and right covers.**

3. **Remove all the retainers and attach them in the prescribed positions.**

(1) **Remove all the retainers.**

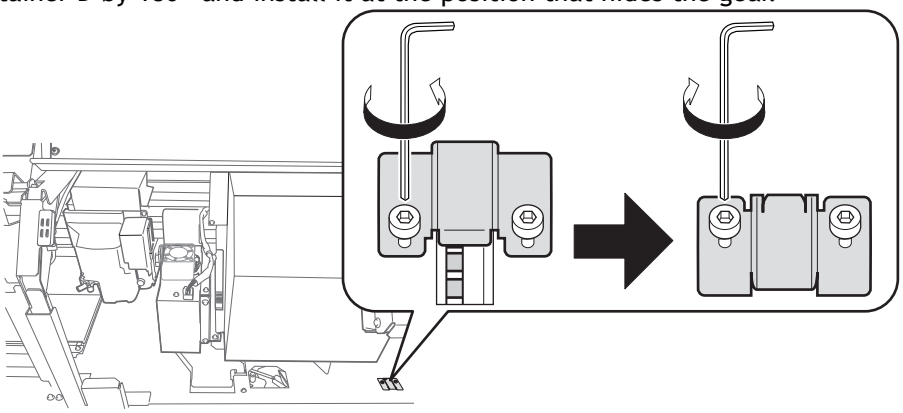


(2) **Use a removed bolt to attach retainer C in the position shown in the figure.**



(3) **Use removed bolts to attach retainer D in the position shown in the figure.**

Rotate retainer D by 180° and install it at the position that hides the gear.



4. **Close the front, left, and right covers.**

Step 9: Preparing the Cleaning Liquid

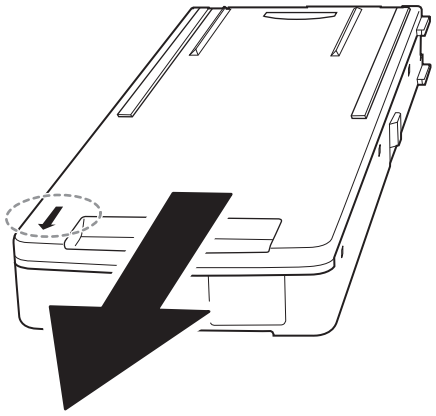
Prepare the cleaning liquid pouch, then set the pouch in cleaning cartridge.

IMPORTANT

- Be sure to use a new cleaning liquid pouch.
- Never, under any circumstances, use anything other than the specified type of cleaning liquid.
- Cleaning liquid pouches and cleaning cartridges are consumable items. To purchase consumable items, contact your authorized Roland DG Corporation dealer or visit our website (https://www.rolanddg.com/).

Procedure

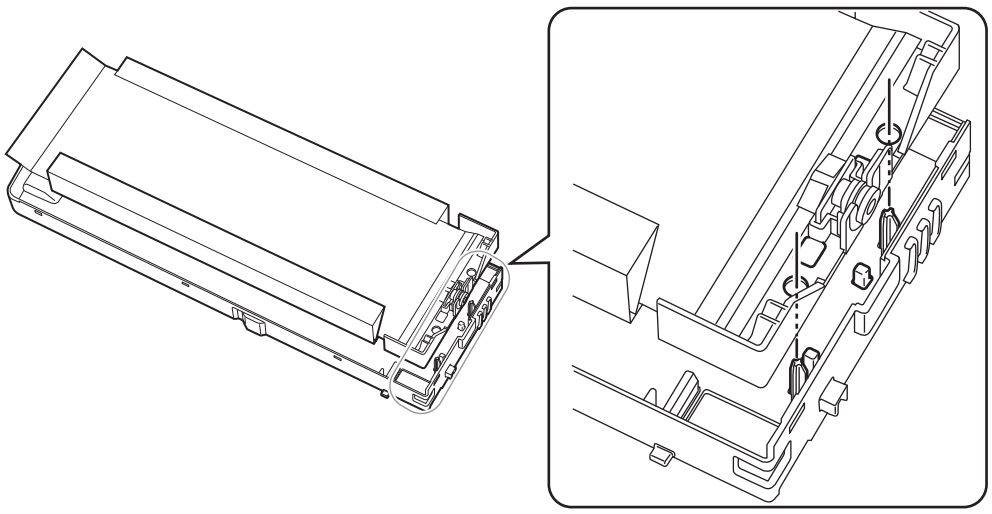
1. **Remove the cover of the cleaning cartridge.**
   a. Keep the side with the arrow face up.
   b. Remove the cover by sliding it in the direction indicated by the arrow.



2. **Set the cleaning liquid pouch into the cartridge case.**

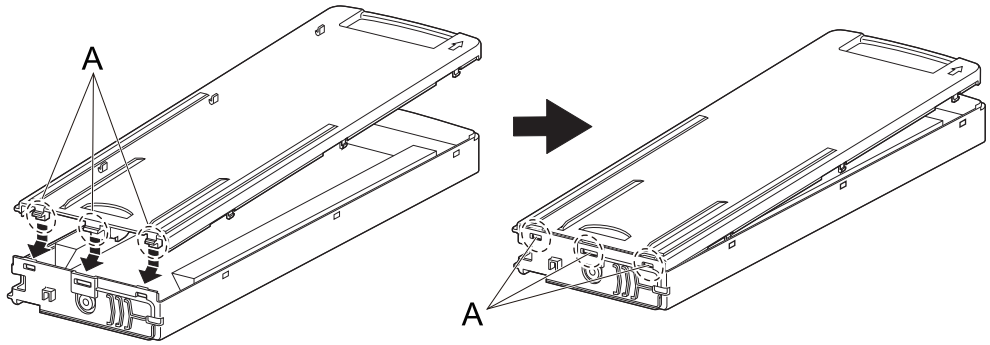
MEMO

To set the pouch in the correct position, pass the protrusions on the cartridge case through the holes in the pouch.



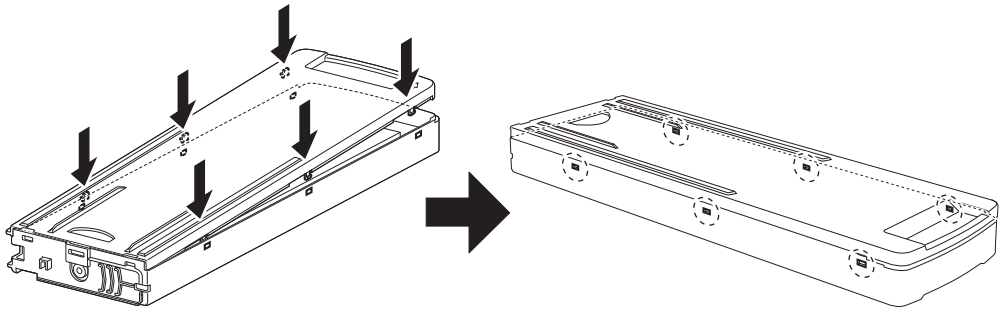
3. Attach the cover to the cartridge case.

a. Insert the protrusions (A) at the back of the cover into the holes in the cartridge case.



b. Push the cover to fit its hooks into the holes in the cartridge case.

There are hooks in six locations. Check that all the hooks are seated in the holes and that the cover does not come loose from the cartridge case.



Step 10: Connecting the Cables

⚠ WARNING

Perform this task with all power switches left switched off.
Otherwise sudden movement of the machine may cause injury.

⚠ WARNING

Connect to an electrical outlet that complies with this machine's ratings (for voltage, frequency, and current).
Incorrect voltage or insufficient current may cause fire or electrical shock.

⚠ WARNING

Handle the power cord, plug, and electrical outlet correctly and with care. Never use any article that is damaged.
Using a damaged article may result in fire or electrical shock.

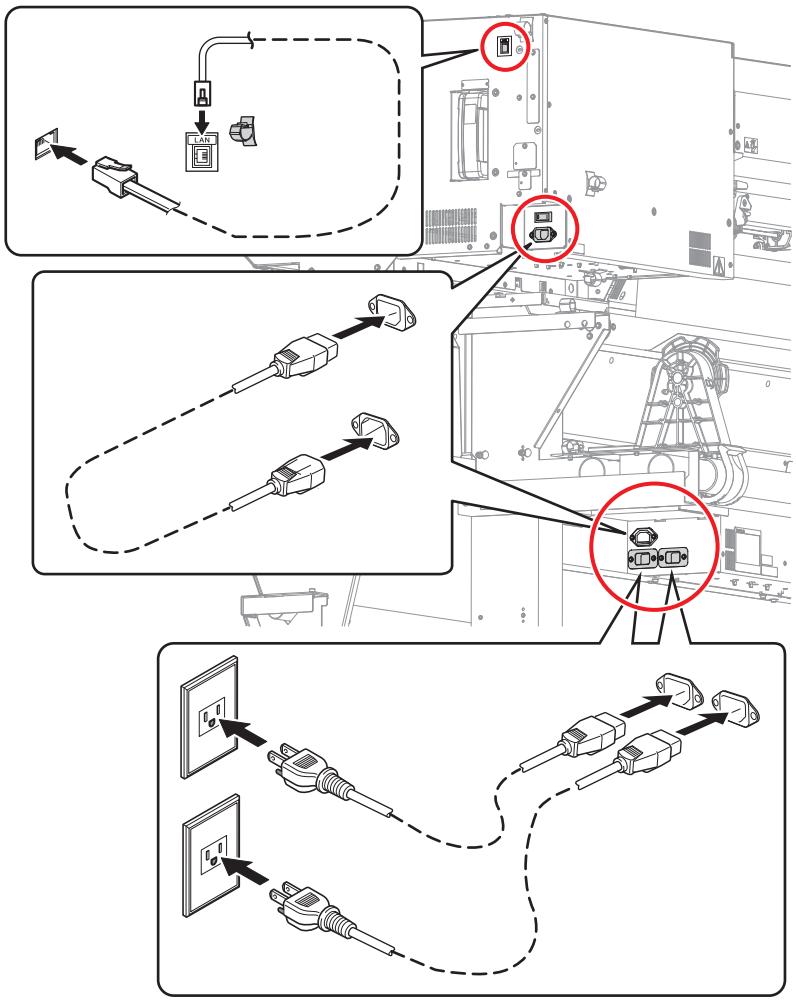
⚠ WARNING

When using an extension cord or power strip, use one that adequately satisfies the machine's ratings (for voltage, frequency, and current).
Use of multiple electrical loads on a single electrical outlet or of a lengthy extension cord may cause fire.

Procedure

1. **Connect the relay power cord, the Ethernet cable (commercially available), and the (two) power cords.**

   Insert the relay power cord into the printer and stand stay insertion ports, the Ethernet cable into the printer and network insertion ports, and the (two) power cords into the stand stay and 200 to 240 V power supplies.



The recommended Ethernet and Ethernet cable are as follows.

- Ethernet: 1000BASE-T
- Ethernet cable: Category 5 or higher

⚠ WARNING

Connect this machine to an electrical outlet. Never connect this machine directly to a power distribution panel or other such fixed wiring equipment.

Doing so increases the risk of fire or electrical shock.

⚠ WARNING

Connect to ground.

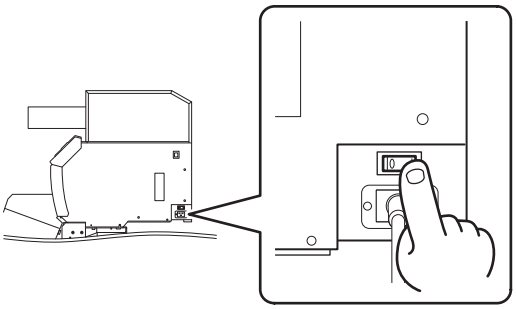
Failure to ground the machine may result in electrical shock when the machine is touched. Be sure to connect to ground.

Step 11: Initial Settings and Ink Filling

1. Make the initial settings.

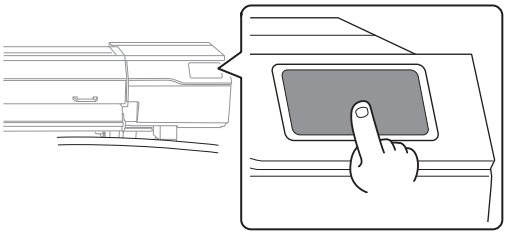
Procedure

1. **Switch on the printer's main power.**



2. **Tap the operation panel.**

A message prompting you to turn on the power supply appears on the operation panel.



3. **Tap the operation panel again.**

The printer turns on, and the **[Language]** screen appears.

4. **Tap [Language English].**

The language selection screen appears.

MEMO

Default setting: **[English]**

5. **Select the language and tap [OK].**

6. **Tap [Save].**

The **[Units]** screen appears.

7. **The [Units] screen appears. Set the [Length] and [Temperature].**

MEMO

Default settings

- **[Length]**: mm
- **[Temperature]**: ˚C

8. **Tap [Save].**

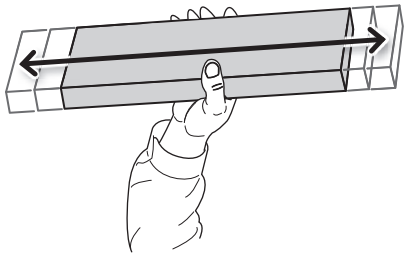
9. **The [Ink Type Not Set] screen will appear. Tap [Execute].**

Initial setup is complete once the [**Install all the ink cartridges.**] screen is displayed. Continue by filling the machine with ink.

2. Fill the machine with ink.

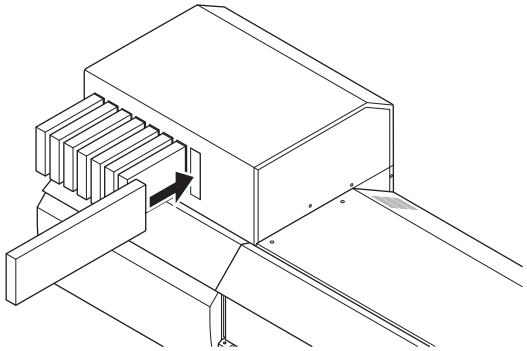
Procedure

1. **Gently shake the ink cartridge.**



2. **Set the ink cartridge in the ink slot.**

Insert the ink cartridge as far as it will go. If the inserted ink is not recognized and does not show up on the operation panel, remove it and insert it again.



IMPORTANT

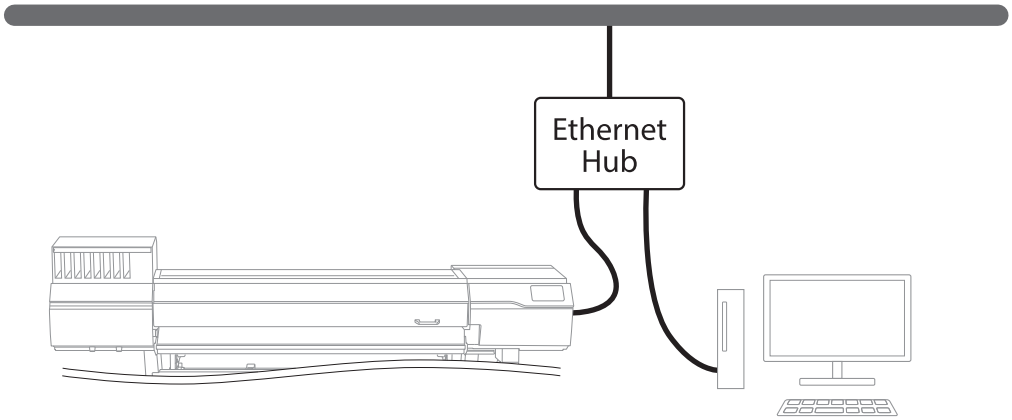
- Check the color names indicated on the ink slots and the ink cartridges to load all the cartridges in their correct positions.

[**Ink filling in progress. Please wait.**] appears, and the machine is filled with ink.

3. **When the ink filling is complete, the top menu appears.**

2. Network Settings

Network Settings



The IP address of this machine can be assigned automatically from a DHCP server. If there is a DHCP server on your local network, no network settings are required. After connecting a LAN cable, carry out 4. Downloading and Installing Software(P. 57) on the computer you are using.

However, if there is no DHCP server, if no DHCP server can be found, or if there is a problem on the DHCP server, the IP address will not be automatically assigned. If the message [**Connection is requiring too much time. Manually setting the IP address will improve the connection speed.**] appears when you tap , carry out the procedure in the following section to set the network. Also use the method in the following section to fix the IP address for the destination to output data to from the computer.

- Setting a Fixed IP Address(P. 50)

Setting a Fixed IP Address

If the automatic assignment of the IP address from a DHCP server fails or if you want to set an IP address that does not change, enter a fixed IP address.

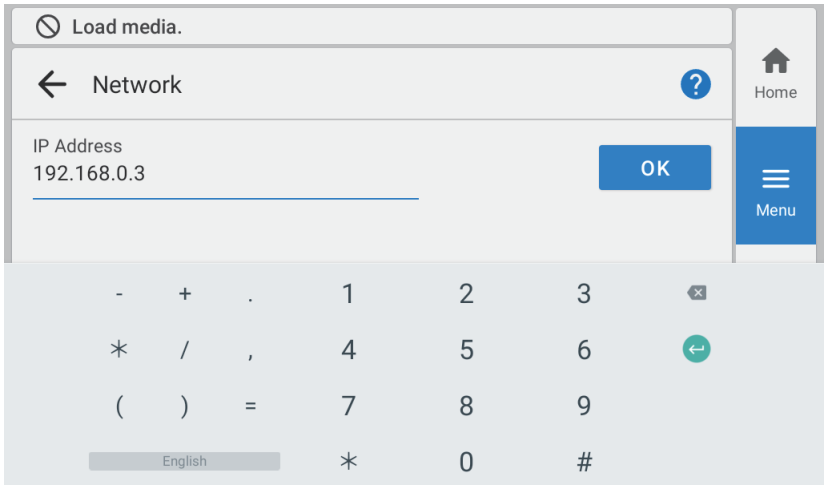
IMPORTANT

In an environment where the printer is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

Procedure

1. **Tap ☰.**
2. **Tap [System Information]>[Network].**
3. **Tap [Obtain IP Address Automatically] to set it to [Disable].**
4. **Tap ✎ to the right of [IP Address].**

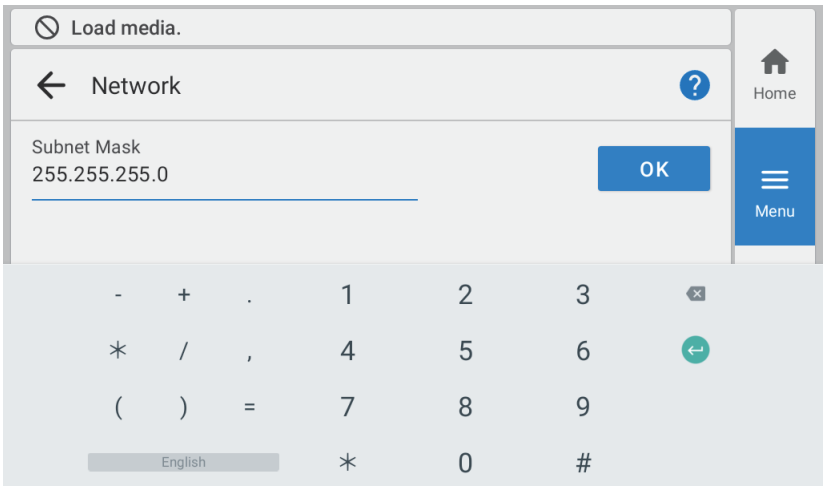
   The numeric value input screen appears.



5. **Enter the IP address.**

   For the IP address, contact your network administrator.
6. **Tap [OK].**
7. **Tap ✎ to the right of [Subnet Mask].**

   The numeric value input screen appears.

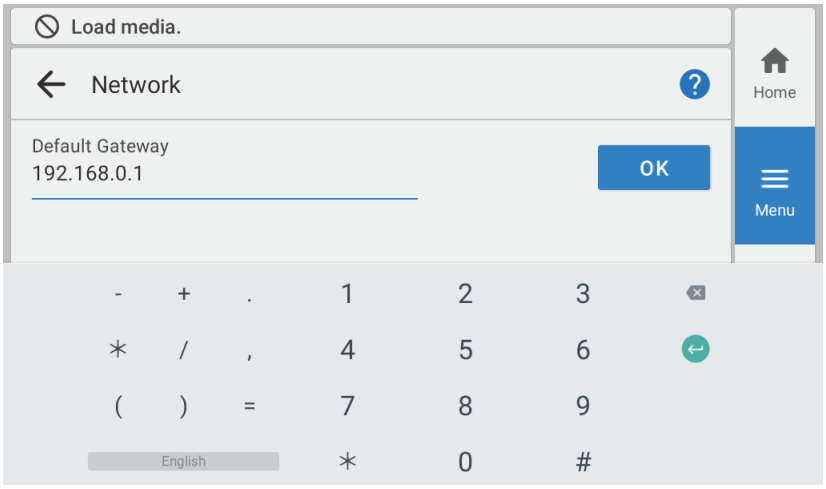


8. **Enter the subnet mask.**

9. **Tap [OK].**

10. **Tap to the right of [Default Gateway].**

The numeric value input screen appears.



11. **Enter the default gateway.**

12. **Tap [OK].**

13. **Tap [Save].**

14. **Tap .**

The home screen appears.

This completes the setting of a fixed IP address. Go back to the home screen. Then, proceed to 4. Downloading and Installing Software(P. 57).

Setting the Computer's Network

When configuring this machine and the network settings of the computer at the same time, to obtain the setting details, contact the administrator of the network the computer is connected to. Before configuring the settings, you have to prepare the following information.

- Whether to use a DHCP server to set the IP addresses
- If no DHCP server is in operation or if you will not use a DHCP server to set the IP addresses, the IP addresses to set on the computer (IP address, subnet mask, and default gateway)

Setting the IP Address on the Computer (Windows)

Use the information you have prepared through discussions with the network administrator to set the computer's network. If you have already set the network, the settings here are not necessary.

IMPORTANT

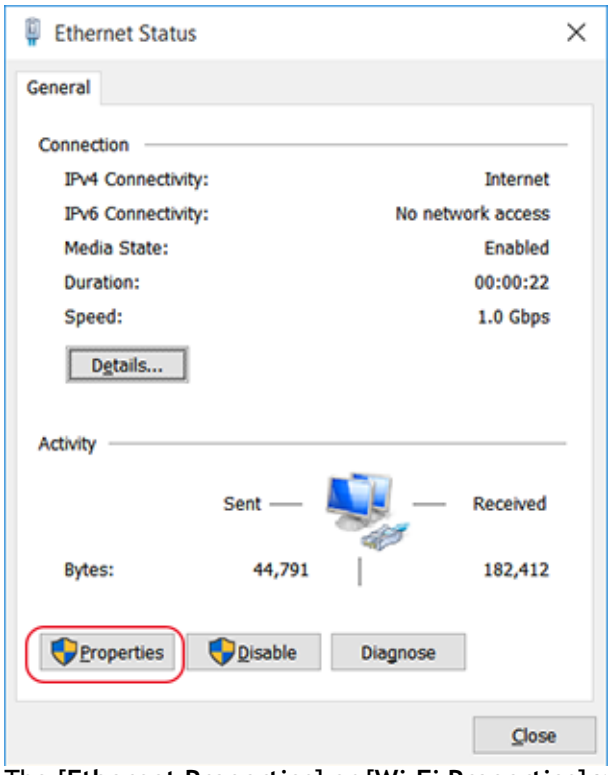
In an environment where the computer being used is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

The method introduced here for setting the network settings applies to the following Windows versions. Even with the same version, the operation steps, button names, and window titles may differ depending on the OS build.

- Windows 11: version 24H2
- Windows 10: version 22H2

Procedure

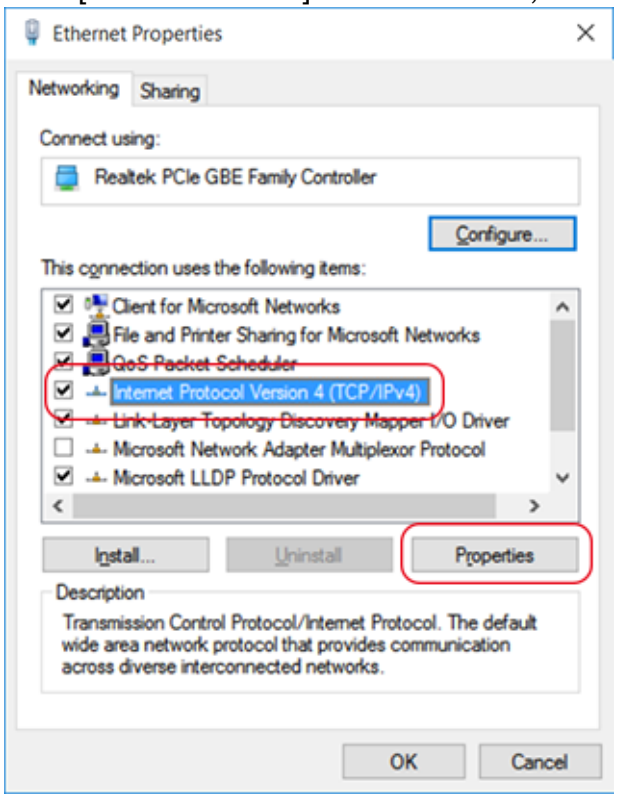
1. **Log on to Windows as the [Administrator] or a member of the [Administrators] group.**
2. **Open Control Panel.**
   Search for "Control Panel" from the taskbar.
3. **Click [Network and Sharing Center].**
4. **Click [Ethernet] or [Wi-Fi].**
5. **Click [Properties].**
   If a [**User Account Control**] window appears, click [**Continue**].



The [**Ethernet Properties**] or [**Wi-Fi Properties**] window appears.

6. **Select [Internet Protocol Version 4 (TCP/IPv4)], and then click [Properties].**

If the [**Internet Protocol**] check box is clear, select it.



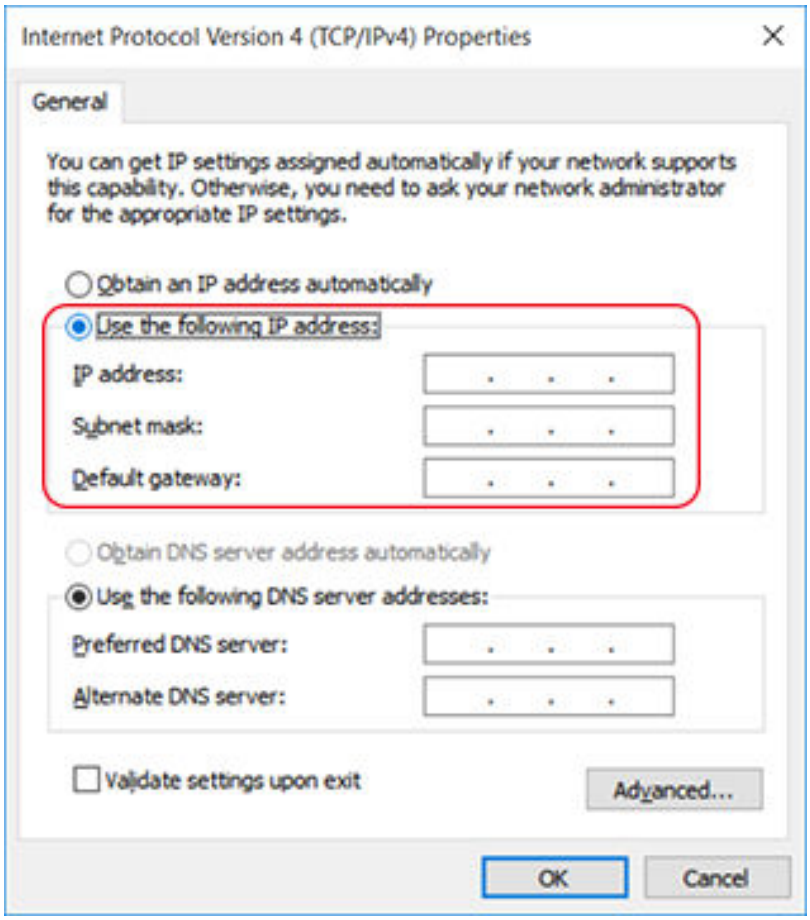
7. **To obtain the IP address from the DHCP server, click [Obtain an IP address automatically].**

If no DHCP server is in operation or if you will not use a DHCP server to set the IP addresses, skip this step and proceed to the next one.

8. **If no DHCP server is in operation or if you will not use a DHCP server to set the IP addresses, configure the following settings.**

(1) **Click [Use the following IP address].**

(2) **Enter the [IP address], [Subnet mask], and [Default Gateway].**



9. **Click [OK].**

10. **Click the following buttons to return to the original state.**

a. [**Close**] in the [**Ethernet Properties**] or [**Wi-Fi Properties**] window

b. [**Close**] in the [**Ethernet Status**] or [**Wi-Fi Status**] window

Setting the IP Address on the Computer (Mac)

Use the information you have prepared through discussions with the network administrator to set the computer's network. If you have already set the network, the settings here are not necessary.

IMPORTANT

In an environment where the computer being used is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

The method introduced here for setting the network settings applies to the following Mac version. Even with the same version, the operation steps, button names, and window titles may differ depending on the OS build.

- Mac: macOS 15.2

Procedure

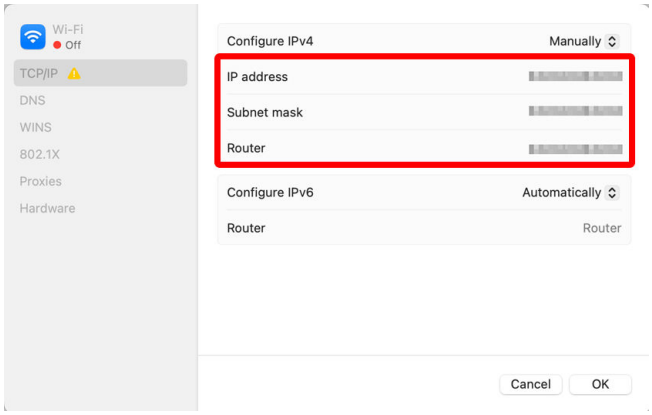
1. **Log on to the Mac as the [Administrator].**
2. **From the Apple menu, click [System Settings...].**
3. **Click [Network] > [Wi-Fi] or the name of the network (when using Ethernet).**
4. **Click [Advanced...].**
5. **Click [TCP/IP].**
6. **To obtain the IP address from a DHCP server, select [Using DHCP] for [Configure IPv4].**

   If no DHCP server is in operation or if you will not use a DHCP server to set the IP addresses, skip this step and proceed to the next one.
7. **If no DHCP server is in operation or if you will not use a DHCP server to set the IP addresses, configure the following settings.**

   (1) **Select [Manually] for [Configure IPv4].**

   (2) **Enter the [IP Address], [Subnet Mask], and [Router].**

   Enter the IP address of the default gateway in [**Router**].



8. **Click [OK].**

3. Adjustment

Adjusting

This work must be performed by a suitably qualified worker. Never attempt to perform this work yourself.

4. Downloading and Installing Software

IMPORTANT

A connection to the Internet is required to download and install the software.

Among the various pieces of software to use with this machine, first download and install Roland DG Connect Hub on the computer to connect to the machine. Then, install the other required software.

Step 1: Downloading Roland DG Connect Hub

Procedure

1. **Start the computer and log on as the "Administrator" or an "Administrators" account.**

   Shut down all other programs.

   MEMO

   Only the account with "Administrators" rights that was used to install this software can use it.

2. **Access the following website on the computer where the software will be downloaded.**

   https://downloadcenter.rolanddg.com/DA-640#Software

   MEMO

   Depending on where you live, you may be asked to complete user registration before downloading the software.

3. **Click [Roland DG Connect / Connect Hub].**

4. **Click [Installer / Updater [20**-**-**]].**

   [**Installer / Updater [20**-**-**]**] is available for Windows and Mac.

   The explanation window for Roland DG Connect appears. Review the information and follow the onscreen instructions to download the file.

Step 2: Installing the Software

IMPORTANT

A Roland DG Connect Hub setup video is available. This video aids in understanding the flow and details of the settings, so view it before performing setup.
https://downloadcenter.rolanddg.com/contents/software_parts/connect_info_en.html

1. Installing Roland DG Connect Hub

Procedure

1. **Install Roland DG Connect Hub.**
   - Windows
     a. Right-click the downloaded file [**RolandDG_Connect_Setup.zip**], and then click [**Extract All**].
     b. Click [**Browse**], specify the folder in which to extract the files, and then click [**Extract**].
     c. Double-click [**RolandDG_Connect_Setup.exe**] in the extracted folder [**RolandDG_Connect_Setup**].
   - Mac
     a. Double-click the downloaded [**RolandDG_Connect_Setup.dmg**] file to open it.
     b. Double-click [**RolandDG_Connect_Setup.pkg**].
2. **Follow the instructions in the install wizard to complete the installation.**

2. Install the required software from Roland DG Connect Hub.

Use Roland DG Connect Hub to install the related software. After the software is installed, you can perform operations such as starting and updating the software from Roland DG Connect Hub.

The method introduced here for setting the network settings applies to the following Windows versions. Even with the same version, the operation steps, button names, and window titles may differ depending on the OS build.

- Windows 11: version 24H2
- Windows 10: version 22H2
- Mac: macOS 15.2

Procedure

1. **Start [Roland DG Connect Hub].**
   - Windows

     Click the **[Roland DG Connect Hub]** icon in the notification area.
   - Mac

     Click the **[Roland DG Connect Hub]** icon on the Dock.

   MEMO

   If you selected the [Launch Roland DG Connect Hub] checkbox in the Roland DG Connect Hub setup wizard, the software will start automatically when setup finishes.

2. **Refer to the Master Initial Setting Guide to perform the following operations.**

   https://downloadcenter.rolanddg.com/contents/software_parts/connect_info_en.html

   a. Create a Roland DG Connect ID.

      If you already have an ID, proceed to the next step.

   b. Configure the Connect Hub settings.

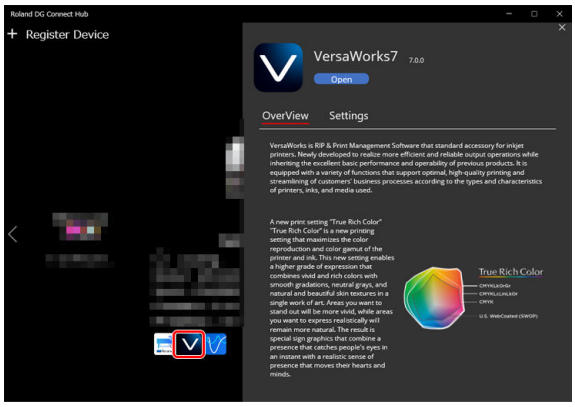
3. **In the main window, select the machine to use.**

   MEMO

   If the printer to register cannot be detected, refer to the Roland DG Connect Help.
   https://support.rolanddg.com/hc/en-us/categories/6469527154585-Roland-DG-Connect

4. **Click the software's icon.**

   The sidebar is displayed on the right side of the window.



5. **Click Install.**

The software installation starts.

To install multiple pieces of required software, click the icon for each piece of software in the same way.

When all the software to use is installed, the procedure is complete.

Step 3: Setting the Software RIP

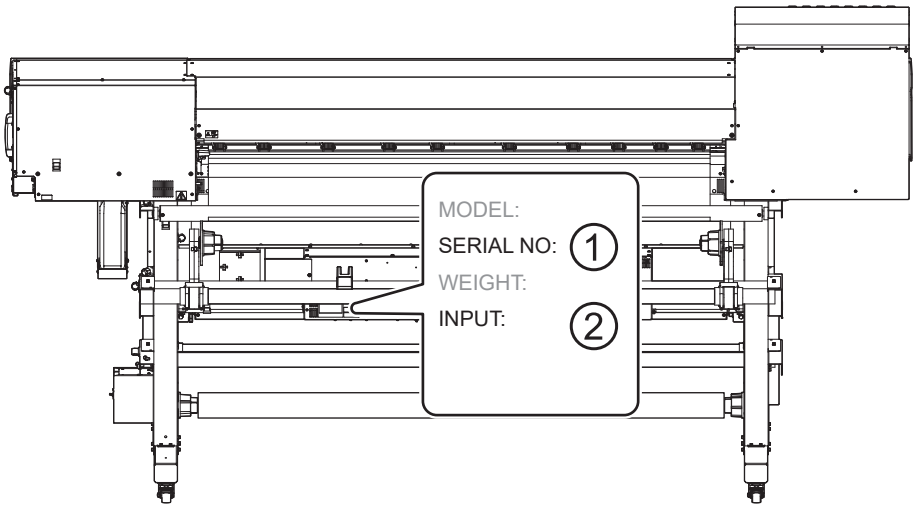
For information on how to connect the printer after installing VersaWorks, access https://downloadcenter.rolanddg.com/contents/manuals/VW7_INS_EN/index.html.

Appendix

Location of the Power Rating and Serial Number Label 63
Specifications 64

Location of the Power Rating and Serial Number Label

Rear



①	Serial number This number is required when you seek maintenance, servicing, or support. Never peel off the label.
②	Power rating Use an electrical outlet that meets the requirements for voltage, frequency, and amperage given here.

Specifications

Printing method		Piezo ink-jet method
Media	Width	259 to 1,625 mm (10.2 to 64 in.)
	Thickness	Max. 1.0 mm (39 mil) with liner
	Roll outer diameter	Max. 180 mm (7.08 in.)
	Roll weight	Max. 30 kg (66 lb.)
	Core diameter	76.2 mm (3 in.) or 50.8 mm (2 in.)
Printing width*1		Max. 1,615 mm (63.5 in.)
Ink	Type	DIMENSE ink 500 ml cartridge
	Colors	Four colors (cyan, magenta, yellow, and black) and structural
Printing resolution		Max. 1,200 dpi
Media heating system*2		Print heater set temperature: 30°C to 40°C (86°F to 104°F) Oven set temperature: 150°C to 380°C (302°F to 716°F)
Connectivity		Ethernet (100BASE-TX/1000BASE-T, automatic switching)
Power-saving function		Automatic sleep feature
Rated input		Oven 1: 200-240 Va.c. 50/60 Hz 16 A Oven 2: 200-240 Va.c. 50/60 Hz 16 A Printer: 200-240 Va.c. 50/60 Hz 3.5 A
Rated output		Printer: 200-240 Va.c. 50/60 Hz 3.5 A
Power consumption	During operation	Approx. 4,860 W
	Sleep mode	Approx. 50 W
Acoustic noise level	During operation	69 dB (A) or less
	During standby	53 dB (A) or less
Dimensions (width × depth × height)		2,902 mm × 942 mm × 1,548 mm (114.25 in. × 37.09 in. × 60.94 in.)
Weight		303 kg (668 lb.)
Environment	During operation*3	Temperature: 20 to 30°C (68 to 86°F), humidity: 40%RH to 65%RH (no condensation)
	Not operating	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80%RH (no condensation)
Included items		Dedicated stand, power cord, oven, media take-up unit, media holders, replacement blade for separating knife, cleaning liquid bottle for maintenance, drain bottle, User's Manual, software (VersaWorks, Roland DG Connect Hub), etc.

*1 The length of printing is subject to the limitations of the application software.

*2 Warm-up is required after the power is turned on. This may require 20 to 30 minutes, depending on the operating environment.

*3 Use the machine in an operating environment within these ranges.


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