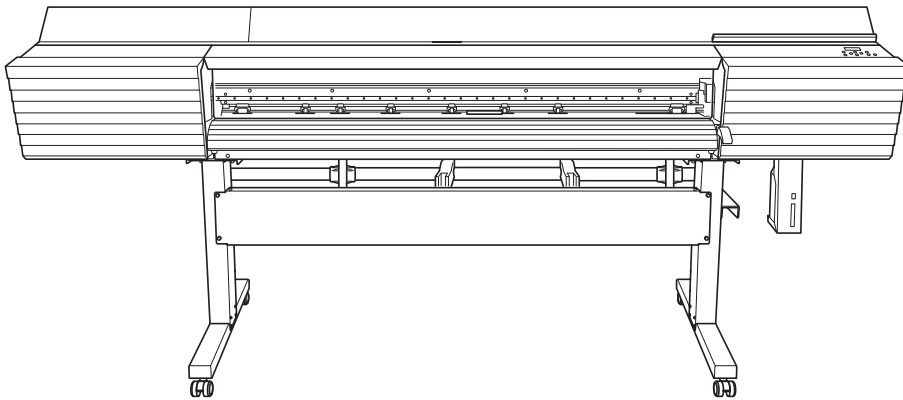


TrueVIS

SG2-640 SG2-540 SG2-300 Setup Guide



- * All the machine sizes that we have released around the world are listed in this manual, but the machine sizes that are on sale will vary depending on the country or area. For details, contact your authorized Roland DG Corporation dealer or visit our website (<http://rolanddg.com/>).

This machine has a built-in inductive reading/writing communication device that uses radio waves (an RFID device).

- RFID is used to read the information inscribed on the ink pouches (or cartridges).
 - If you use a pacemaker or other implanted medical equipment, do not approach this machine.
 - Do not use this machine within hospitals.
-
- 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 and store it in a safe location.
 - 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.
 - This manual and the product have been prepared and tested as much as possible. If you find any misprints or errors, please inform Roland DG Corporation.
 - Roland DG Corporation assumes no responsibility for any direct or indirect loss or damage that may occur through use of this product, regardless of any failure to perform on the part of this product.
 - Roland DG Corporation assumes no responsibility for any direct or indirect loss or damage that may occur with respect to any article made using this product.
-

Roland DG Corporation



Important notes on Bluetooth communication

- This machine supports the operation application, which is an application for mobile terminals. When using the operation application, set this machine's Bluetooth communication to "ENABLE." However, when you are operating this machine from its operation panel, you cannot perform operations from the operation application.
- With Bluetooth wireless technology, it is possible to establish a connection between devices separated by approximately 10 m (32.8 ft.). However, the valid range of the connection may vary depending on the presence of obstacles (such as people, metal, and walls) and the status of the radio waves.
- The communication status of the Bluetooth connection may become unstable if:
 - A wireless LAN is in place in the location.
 - The devices are in the vicinity of a microwave that is in use.
 - Other electromagnetic waves are generated in the location.
- Bluetooth communication uses the same frequency band (2.4 GHz) as wireless LAN (IEEE802.11b/g). If the devices are used in the vicinity of equipment in which a wireless LAN unit is installed, the connection status may become unstable due to the occurrence of radio-frequency interference. In this situation, carry out the following countermeasures.
 - When using Bluetooth communication to connect the printer and the mobile terminal, do so at a distance of 10 m (32.8 ft.) or more away from the equipment in which a wireless LAN unit is installed.
 - Bring the mobile terminal and the printer as close together as possible.
 - If using Bluetooth communication within 10 m (32.8 ft.) of the equipment in which a wireless LAN unit is installed, turn off the wireless LAN unit.
- The radio waves generated by Bluetooth communication may have an effect on the operation of electronic medical equipment and similar devices. This may lead to accidents, so turn off Bluetooth communication in the following locations.
 - The vicinity of in-use hearing aids and pacemakers
 - Hospitals
 - The vicinity of automatic doors and fire alarms
- Using Bluetooth communication in the vicinity of TVs or radios may lead to noise in the image or audio.
- Roland DG Corporation accepts no responsibility for the leakage of information during a connection using Bluetooth technology.
- The mobile terminal that you are using to connect to the printer must comply with Bluetooth standards determined by the Bluetooth SIG and must be a certified device.
- Even if the mobile terminal complies with the Bluetooth standards outlined above, phenomena may occur due to the characteristics and specifications of the device. Examples of these phenomena include the inability to connect to the printer and the operation methods, display, and operations being different.
- Depending on the mobile terminal that you are connecting to the printer, it may take some time until the Bluetooth connection can be established.

Contents

Contents	1
To Ensure Safe Use.....	5
Pour utiliser en toute sécurité	12
1. Introduction	19
1. Checks before Installation	20
About the User's Manuals for This Machine	20
About Placement and Installation Work.....	21
Deciding On an Installation Site.....	21
Temperature and Humidity	22
Installation Space	22
2. Checking Included Items.....	23
2. Installation	25
1. Assembly and Ink Filling	26
Checks before Operations	26
Step 1: Assembling the Stand	27
Step 2: Assembling the Printer Unit and the Stand	30
Step 3: Installing the Media Holders and Media Stays	34
Step 4: Installing the Drain Bottle	40
Step 5: Removing the Retainers	42
Step 6: Connecting the Cables.....	43
Step 7:Preparing the Ink and the TR2 Cleaning Liquid	44
Step 8: Initial Settings and Ink Filling	46
Step 9: Adjustment of Media Holder Adjuster	50
2. Installing the Cutting Tool	51
Step 1: Assembling the Cutting Tool	51
Step 2: Installing the Cutting Tool	52
3. Network Settings	54
Step 1: Make the Network Settings for the Computer	54
Step 2: Make the Network Settings on the Printer	56
Step 3: Make the Port Settings for the Software RIP	58
3. Appendix	59
Locations of the Power Rating and Serial Number Labels	60
Specifications Table	61

This document is the setup guide for the SG2-640/540/300. This document uses the following notations to distinguish between the models where necessary.

SG2-640 — 64-inch model

SG2-540 — 54-inch model

SG2-300 — 30-inch model

Most of the figures in this document depict the SG2-640.

Company names and product names are trademarks or registered trademarks of their respective holders.

For the USA and Canada

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This device complies with Part 15 of FCC Rules and Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme à la partie 15 des règles de la FCC et aux normes des CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that is deemed to comply without maximum permissive exposure evaluation (MPE).

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles des radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement émet une énergie RF très faible qui est considérée comme conforme sans évaluation de l'exposition maximale autorisée (MPE).

This product contains the eT-Kernel RTOS-based software platform of eSOL Co.,Ltd..

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For the USA

**FEDERAL COMMUNICATIONS
COMMISSION RADIO FREQUENCY
INTERFERENCE STATEMENT**

Responsible Party : Roland DGA Corporation
Address : 15363 Barranca Parkway Irvine, CA 92618 U.S.A.
Telephone : 949-727-2100
Type of Equipment :Printer
Model Name :SG2-640, SG2-540, SG2-300

NOTE:

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Use only I/O cables that have been designed and manufactured specifically for this device.

For Canada
CAN ICES-3 (A)/NMB-3(A)

For California



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

For EU Countries

WARNING

Operation of this equipment in a residential environment could cause radio interference.

For EU Countries



Manufacturer:

ROLAND DG CORPORATION

1-6-4 Shinmiyakoda, Kita-ku, Hamamatsu-shi, Shizuoka-ken,
431-2103 JAPAN

The importer in the EU:

Roland DG Europe Holdings B.V.

Prof. J.H. Bavincklaan 2, 1183 AT, Amstelveen, The Netherlands

NOTICE
Grounding Instructions

- In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.
- Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician.
- Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.
- Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.
- Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.
- Repair or replace damaged or worn cord immediately.

For China

产品中有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板	×	○	×	○	○	○
头部	×	○	○	○	○	○
壳体、底架	×	○	○	○	○	○
电源	×	○	×	○	○	○
其他 (电缆、附件等)	×	○	○	○	○	○

○：表示该有毒有害物质在该部件所有均质材料中的含量均在 GB/T26572-2011 标准规定的限量要求以下。
 ×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 GB/T26572-2011 标准规定的限量要求。

环保使用期限



此标志适用于在中国国内销售的电子信息产品，表示环保使用期限的年数。所谓环保使用期限是指在自制造日起的规定期限内，产品中所含的有害物质不致引起环境污染，不会对人身、财产造成严重的不良影响。环保使用期限仅在遵照产品使用说明书，正确使用产品的条件下才有效。不当的使用，将会导致有害物质泄漏的危险。

For EU countries



This product must be disposed of separately at your local waste recycling center. Do not dispose of in household waste bin.



Lever dit product in bij een lokaal afvalverzamelpunt. NIET met normaal huishoudelijk afval afvoeren.



Bitte führen Sie dieses Produkt separat Ihrer örtlichen Entsorgungsstelle zu. Bitte nicht mit dem normalen Hausmüll entsorgen.



Dette Produkt skal smides særskilt væk på den lokale affalds- og genbrugsstation. Må ikke smides ud sammen med almindeligt husholdningsaffald.



Ne jetez pas le produit avec vos ordures ménagères. Portez-le dans un centre recyclage des déchets.



Tätä tuotetta ei saa hävittää normaalien talousjätteiden mukana, vaan se on toimitettava ongelmajätteiden keräily pisteeseen hävitettäväksi.



Questo prodotto deve essere smaltito negli appositi contenitori per la raccolta differenziata, non buttare nel cestino dei rifiuti casalinghi.



Produkten måste kasseras separat på din lokala återvinningscentral. Släng inte produkten tillsammans med hushållssoporna.



Este producto debe devolverse al centro de reciclaje más cercano a su domicilio para su correcta eliminación. No lo tire a la basura.



Μην πετάξετε το αντικείμενο αυτό στο καλάθι των απορριμμάτων. Αφαιρέστε τις μπαταρίες και προσκομίστε το στο τοπικό κέντρο ανακύκλωσης.





Deite fora separadamente este produto no seu centro de reciclagem local. Não o deite fora no seu caixote do lixo.




To Ensure Safe Use

Improper handling or operation of this machine may result in injury or damage to property. Points which must be observed to prevent such injury or damage are described as follows.

About ⚠ WARNING and ⚠ CAUTION Notices

 WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
 CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. *Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings as well as to domestic animals or pets.

About the Symbols

	The ⚠ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the ⚠ symbol. The symbol at left means "danger of electrical shock."
	The ⓧ symbol alerts the user to items that must never be carried out (are forbidden). The specific meaning of the symbol is determined by the design contained within the ⓧ symbol. The symbol at left means the unit must never be disassembled.
	The ● symbol alerts the user to things that must be carried out. The specific meaning of the symbol is determined by the design contained within the ● symbol. The symbol at left means the power-cord plug must be unplugged from the outlet.

 **This is a heavy machine.**

 **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.



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 260 kg (573 lb.) or more (231 kg [509 lb.] or more for the 54-inch model or 168 kg [370 lb.] or more for the 30-inch model). Installation in an unsuitable location may cause a major accident, including tip over, fall, or collapse.



Be sure to lock the stand's casters.

If the machine should begin to topple, a major accident may result, including crushing of the appendages or the body.

 **WARNING**



When storing roll media, implement adequate safety measures to ensure that the stored media will not roll, fall, or topple over.

Danger exists of becoming pinned under the media and suffering serious injury.



Handling roll media is an operation that must be performed by two persons or more, and care must be taken to prevent falls.

Attempting to lift heavy media in a manner that taxes your strength may cause physical injury. Also, if dropped, such items may cause injury.

Incorrect operation may cause injury

WARNING



Be sure to follow the operation procedures described in the user's manual. **Never allow anyone unfamiliar with the usage or handling of the machine to touch it.**

Incorrect usage or handling may lead to an accident.



Keep children away from the machine.

The machine includes areas and components that pose a hazard to children and may result in injury, blindness, choking, or other serious accident.



Never operate the machine while tired or after ingesting alcohol or any medication.

Operation requires unimpaired judgment. Impaired judgment may result in an accident.



Always unplug the power cord when attaching or removing parts and optional parts and when performing cleaning or maintenance that does not require the machine to be connected to a power source.

Attempting such operations while the machine is connected to a power source may result in injury or electrical shock.



Never attempt to disassemble, repair, or modify the machine.

Doing so may result in fire, electrical shock, or injury. Entrust repairs to a trained service technician.

CAUTION



Exercise caution to avoid being pinched or becoming caught.

Inadvertent contact with certain areas may cause the hand or fingers to be pinched or become caught. Use care when performing operations.



Never attempt operation while wearing a necktie, necklace, or loose clothing. Bind long hair securely.

Such items may become caught in the machine, resulting in injury.



Conduct operations 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.



Never climb or lean on the machine.

The machine is not made to support a person. Climbing or leaning on the machine may dislodge components and cause a slip or fall, resulting in injury.



Caution: cutting tool.

This machine has a cutting tool. To avoid injury, handle the tool with care.



Caution: sharp components.

This machine contains areas that are sharp. To avoid injury, exercise caution.

 **Danger of electrical short, shock, electrocution, or fire**

 **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.



Never use outside or in any location where exposure to water or high humidity may occur. Do not touch the power cord, plug, or electrical outlet with wet hands.

Doing so may result in fire or electrical shock.



Never allow any foreign object to get inside. Never expose the machine to liquid spills.

Inserting objects such as coins or matches or allowing beverages to be spilled into the ventilation ports may result in fire or electrical shock. If anything gets inside, immediately disconnect the power cord and contact your authorized Roland DG Corporation dealer.



Never place any flammable object nearby. Never use a combustible aerosol spray nearby. Never use in any location where gases can accumulate.

Combustion or explosion could occur.



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.



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.



Connect to ground.

This can prevent fire or electrical shock due to current leakage in the event of malfunction.

 **WARNING**



Position 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.



If sparking, smoke, burning odor, unusual sound, or abnormal operation occurs, immediately unplug the power cord.

Never use if any component is damaged. Continuing to use the machine may result in fire, electrical shock, or injury. Contact your authorized Roland DG Corp. dealer.



Do not use the supplied power cord for other products.



Never use the machine for any purpose for which it is not intended, or use the machine in an undue manner that exceeds its capacity.

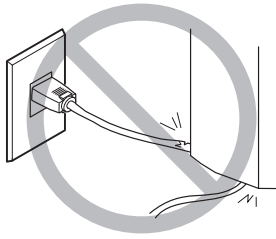
Doing so may result in injury or fire.



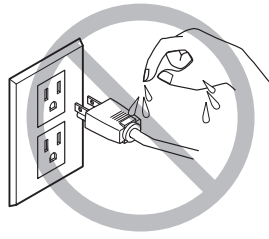
For accessories (optional and consumable items, power cord, and the like), use only genuine articles compatible with this machine.

Incompatible items may lead to an accident.

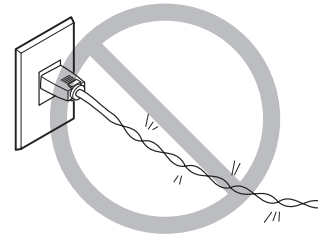
⚠ Important notes about the power cord, plug, and electrical outlet



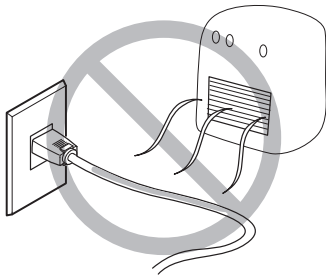
Never place any object on top or subject to damage.



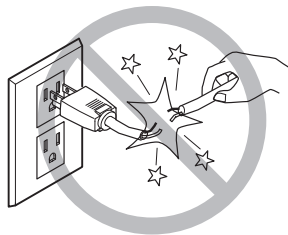
Never allow to get wet.



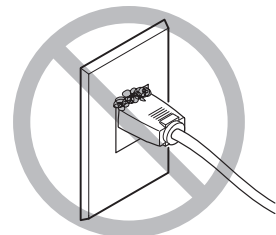
Never bend or twist with undue force.



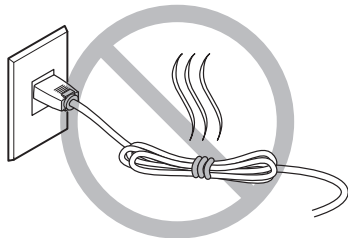
Never make hot.



Never pull with undue force.



Dust may cause fire.



Never bundle, bind, or roll up.

⚠ Danger of fire, burns, or toxic gas emissions

⚠ WARNING



Caution: high temperatures
Areas such as the dryer become hot.
Exercise caution to avoid burns.



Remove any loaded media or switch off the sub power when printing is not being performed.

The continued application of heat at a single location may cause fire or produce toxic gases.

⚠ WARNING



Never use media that cannot withstand heat.

Doing so may degrade the media, or may result in fire or the release of toxic gases.

 **Ink, cleaning liquid, and discharged fluid are flammable and toxic**

 **WARNING**



Keep open flame away from the work area.
Ink and discharged fluid are flammable.



Never store ink, cleaning liquid, or discharged fluid in any of the following locations.

- Any location exposed to open flame
- Any location where high temperature may occur
- Near bleach or any other such oxidizing agent or explosive material
- Any location within the reach of children

Fire may be a danger. Accidental ingestion by children may pose a health hazard.



Never place an ink container (such as a cartridge or pouch) in fire.

Ink may flow out, catch fire, and spread fire to other nearby objects.



Never drink or sniff ink, cleaning liquid, or discharged fluid, or allow them to come in contact with the eyes or skin.

Doing so may be hazardous to the health.

 **CAUTION**



Ensure adequate ventilation for the work area.

Failing to perform ventilation may result in a health hazard or danger of combustion due to ink fumes.



Never allow an ink container (such as a cartridge or pouch) to be subjected to impact, and never attempt to disassemble.

Ink may leak.

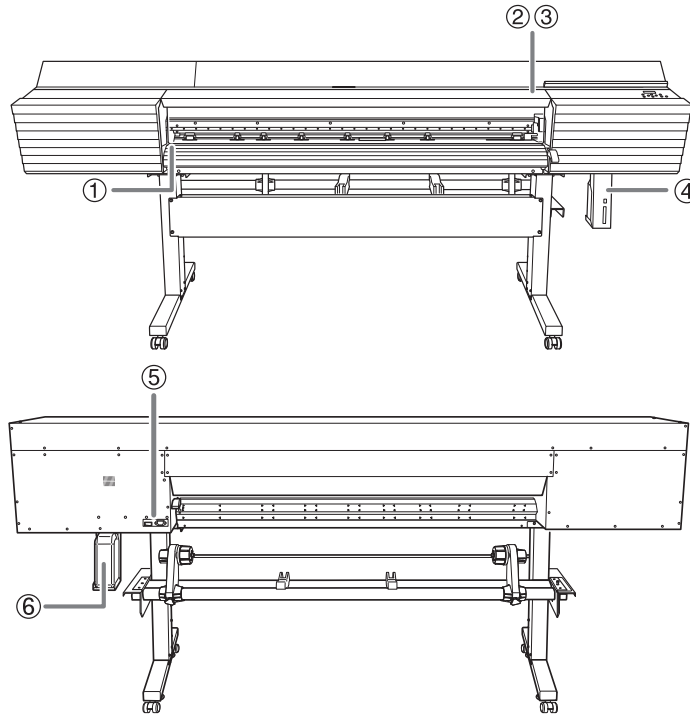
 **In the event of ingestion or physical distress**

- In the event of contact with the eyes, immediately flush with water for at least 15 minutes. If eye irritation continues, seek treatment by a physician.
- In the event of contact with skin, immediately wash with soap. If irritation or inflammation occurs, seek treatment by a physician.
- In the event of ingestion, do not induce vomiting, and immediately seek treatment by a physician. Forcibly inducing vomiting may lead to danger of choking.
- If odor leads to physical distress, move to a well-ventilated location and rest quietly. If dizziness or nausea persists, seek treatment by a physician.

* Refer to the safety data sheet (SDS) for information on chemicals contained in ink and their safety.

⚠ Warning Labels

A warning label is affixed to the machine to make areas of danger immediately clear. The meaning of this label is indicated below. Be sure to heed this warning. Also, never remove the label or allow it to become dirty.





①		<p>Caution: High Temperature The platen and dryer become hot. Exercise caution to avoid fire or burns.</p>
②		<p>Caution: Pinching Hazard Be careful not to allow the fingers to become pinched when closing covers.</p>
③		<p>Caution: Moving Print Heads The print heads inside the cover move at high speed and pose a hazard. Never insert the hand or fingers into the gap.</p>
④		<p>Ink, cleaning fluid, and discharged fluid are flammable and toxic. If these fluids come into contact with the eyes or skin, it may be hazardous to the health. When performing maintenance work, for example when disposing of discharged fluid, wear protective eyewear and protective gloves (refer to the safety data sheet [SDS]).</p>
⑤		<p>Caution: High Voltage Removing the cover may result in high-voltage electric shock.</p>
⑥		<p>Flammable Ink and discharged fluid are flammable. Keep away from open flame.</p>










Pour utiliser en toute sécurité

La manipulation ou l'utilisation inadéquates de cet appareil peuvent causer des blessures ou des dommages matériels. Les précautions à prendre pour prévenir les blessures ou les dommages sont décrites ci-dessous.

À propos des avis ATTENTION et PRUDENCE

 ATTENTION	Utilisé pour avertir l'utilisateur d'un risque de décès ou de blessure grave en cas de mauvaise utilisation de l'appareil.
 PRUDENCE	Utilisé pour avertir l'utilisateur d'un risque de blessure ou de dommage matériel en cas de mauvaise utilisation de l'appareil. * Par dommage matériel, il est entendu dommage ou tout autre effet indésirable sur la maison, tous les meubles et même les animaux domestiques.

À propos des symboles

	Le symbole  attire l'attention de l'utilisateur sur les instructions importantes ou les avertissements. Le sens précis du symbole est déterminé par le dessin à l'intérieur du symbole  . Le symbole à gauche signifie « danger d'électrocution ».
	Le symbole  avertit l'utilisateur de ce qu'il ne doit pas faire, ce qui est interdit. Le sens précis du symbole est déterminé par le dessin à l'intérieur du symbole  . Le symbole à gauche signifie que l'appareil ne doit jamais être démonté.
	Le symbole  prévient l'utilisateur sur ce qu'il doit faire. Le sens précis du symbole est déterminé par le dessin à l'intérieur du symbole  . Le symbole à gauche signifie que le fil électrique doit être débranché de la prise.

 **Cet appareil est lourd.**

 **ATTENTION**



Confier le transport, le déchargement et la mise en place à des professionnels ayant l'information requise

Un équipement et des compétences techniques convenables sont requis pour la manipulation de l'appareil. Les tâches qui exigent un effort excessif peuvent provoquer un accident important.



Installer l'appareil à un endroit de niveau, stable et pouvant prendre en charge le poids l'appareil.

Le poids total de la machine peut atteindre 260 kg ou plus (231 kg ou plus pour le modèle 54 pouces et 168 kg ou plus pour le modèle 30 pouces). Installer l'appareil à un endroit inapproprié peut provoquer un accident grave comme le renversement, la chute ou l'effondrement.



S'assurer de verrouiller les roulettes de la base.

Si l'appareil devait commencer à basculer, il s'ensuivrait un accident grave, par exemple l'écrasement de membres ou du corps.

 **ATTENTION**



Lors de l'entreposage du rouleau de média, prendre les mesures de sécurité adéquate pour s'assurer que le rouleau ne roulera pas, ne tombera ni ne basculera pas.

Il y a un danger de rester coincer sous le média et de subir des graves blessures.



La manutention du support en rouleau doit être faite par deux personnes ou plus et il faut prendre des précautions pour éviter les chutes.

Tenter de soulever des objets trop lourds peut causer des blessures. En outre, si ces objets sont échappés, ils peuvent causer des blessures.

L'utilisation incorrecte peut causer des blessures

ATTENTION



S'assurer de suivre les procédures d'utilisation décrites dans le manuel utilisateur. Ne jamais permettre à quiconque ne connaît pas le fonctionnement ou la manutention de l'appareil de le toucher. L'utilisation ou la manutention incorrectes peuvent causer un accident.



Garder les enfants loin de l'appareil. L'appareil comporte des zones et des composants qui présentent un danger pour les enfants et qui pourraient causer des blessures, la cécité, la suffocation ou d'autres accidents graves.



Ne jamais faire fonctionner l'appareil après avoir consommé de l'alcool ou des médicaments, ou dans un état de fatigue. L'utilisation de l'appareil exige un jugement sans faille. L'utilisation avec les facultés affaiblies pourrait entraîner un accident.



Toujours débrancher le câble d'alimentation lors de la fixation ou du retrait de pièces et de pièces en option et du nettoyage ou des travaux d'entretien qui n'exigent pas un branchement de l'appareil à une source d'alimentation. Tenter ces opérations pendant que l'appareil est branché à une source d'alimentation peut causer des blessures ou un choc électrique.



Ne jamais tenter de démonter, de réparer ou de modifier l'appareil. Le non-respect de cette consigne risque de provoquer un incendie, un choc électrique ou des blessures. Confier les réparations à un technicien ayant la formation requise.

PRUDENCE



Faire preuve de prudence pour éviter l'écrasement ou le coincement. La main ou les doigts peuvent être écrasés ou coincés s'ils entrent en contact avec certaines surfaces par inadvertance. Faire preuve de prudence pendant l'utilisation de l'appareil.



Ne jamais faire fonctionner l'appareil si on porte une cravate, un collier ou des vêtements amples. Bien attacher les cheveux longs. Ces vêtements ou ces objets peuvent être coincés dans l'appareil, ce qui causerait des blessures.



Utiliser l'appareil dans un endroit propre et bien éclairé. Travailler dans un endroit sombre ou encombré peut causer un accident; l'utilisateur risque, par exemple, de trébucher malencontreusement et d'être coincé par une partie de l'appareil.



Ne jamais grimper ni s'appuyer sur la machine. La machine n'est pas conçue pour supporter le poids d'une personne. Grimper ou s'appuyer sur la machine peut déplacer des éléments et causer un faux pas ou une chute, ce qui causerait des blessures.



Attention : outil de coupe. Cet appareil contient un outil interne. Pour éviter les blessures, manipuler l'outil avec soin.



Attention : composants acérés. Certaines parties de cet appareil sont acérées. Faire preuve de prudence pour éviter les blessures.

Risque de décharge ou de choc électrique, d'électrocution ou d'incendie

ATTENTION



Brancher à une prise électrique conforme aux caractéristiques de cet appareil (tension, fréquence et courant).

Une tension incorrecte ou un courant insuffisant peuvent causer un incendie ou un choc électrique.



Ne jamais utiliser à l'extérieur ni à un endroit où l'appareil risque d'être exposé à de l'eau ou à une humidité élevée. Ne pas toucher le câble d'alimentation, la fiche ou la prise électrique avec des mains mouillées.

Le non-respect de cette consigne risque de provoquer un incendie ou un choc électrique.



Ne jamais insérer d'objet étranger dans l'appareil. Ne jamais exposer l'appareil aux déversements de liquides.

L'insertion d'objets comme des pièces de monnaie ou des allumettes, ou le déversement de liquides dans les orifices de ventilation peuvent causer un incendie ou un choc électrique. Si un objet ou du liquide s'infiltré dans l'appareil, débrancher immédiatement le câble d'alimentation et communiquer avec le représentant Roland DG autorisé.



Ne jamais placer d'objet inflammable à proximité de l'appareil. Ne jamais utiliser de produit inflammable en aérosol à proximité de l'appareil. Ne jamais utiliser l'appareil dans un endroit où des gaz peuvent s'accumuler.

Une combustion ou une explosion pourraient se produire.



Manipuler le câble d'alimentation, la fiche et la prise électrique correctement et avec soin.

Ne jamais utiliser un article endommagé, car cela pourrait causer un incendie ou un choc électrique.



Ne pas utiliser le cordon électrique fourni avec d'autres produits.

ATTENTION



Si une rallonge ou une bande d'alimentation électrique sont utilisées, s'assurer qu'elles correspondent aux caractéristiques de l'appareil (tension, fréquence et courant).

L'utilisation de plusieurs charges électriques sur une prise unique ou une longue rallonge peut causer un incendie.



Mise à la terre.

La mise à la terre peut prévenir un incendie ou un choc électrique dus à une fuite de courant en cas de défaillance.



Placer l'appareil de façon à ce que la fiche soit facile d'accès en tout temps.

Ainsi, l'appareil pourra être débranché rapidement en cas d'urgence. Installer l'appareil près d'une prise électrique. En outre, prévoir suffisamment d'espace pour que la prise électrique soit facile d'accès.



S'il se produit des étincelles, de la fumée, une odeur de brûlé, un bruit inhabituel ou un fonctionnement anormal, débrancher immédiatement le câble d'alimentation.

Ne jamais utiliser si un composant est endommagé. Continuer à utiliser l'appareil peut causer un incendie, un choc électrique ou des blessures. Communiquer avec le représentant Roland DG Corp. Autorisé.



Ne jamais utiliser l'appareil à des fins autres que celles pour lesquelles il est conçu. Ne jamais l'utiliser de manière abusive ou d'une manière qui dépasse sa capacité.

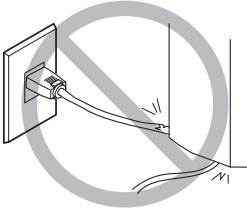
Le non-respect de cette consigne peut causer des blessures ou un incendie.



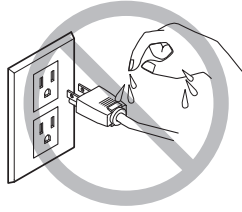
Utiliser uniquement des accessoires d'origine (accessoires en option, articles consommables, câble d'alimentation et autres articles semblables), compatibles avec l'appareil.

Les articles incompatibles risquent de causer des accidents.

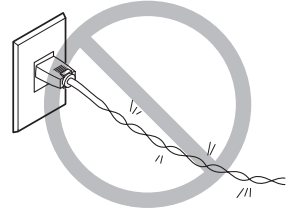
⚠ Remarques importantes à propos du câble d'alimentation, de la fiche et de la prise électrique



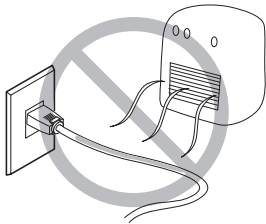
Ne jamais déposer aucun objet dessus au risque de les endommager.



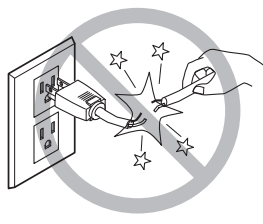
Ne jamais laisser mouiller.



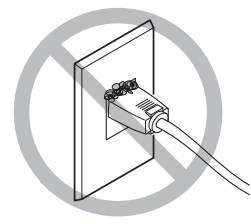
Ne jamais plier ni enrrouler.



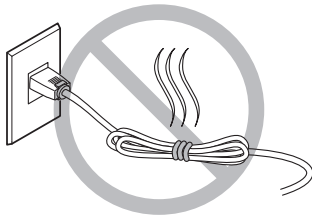
Ne jamais chauffer.



Ne jamais tirer avec une force excessive.



La poussière peut causer un incendie.



Ne jamais plier ni tordre avec une force excessive.

⚠ Risque d'incendie, de brûlures ou d'émissions de gaz toxiques

⚠ ATTENTION



Attention : températures élevées.
Les zones comme le séchoir chauffent.
Faire preuve de prudence pour éviter les brûlures.



Quand aucun travail d'impression n'est en cours, retirer tout support de l'appareil ou couper l'alimentation électrique.
L'application continue de chaleur à un point unique peut causer l'émission de gaz toxiques ou créer un risque d'incendie.

⚠ ATTENTION



Ne jamais utiliser un support qui ne peut pas supporter la chaleur.
L'utilisation d'un support qui ne supporte pas la chaleur peut détériorer le support, créer un risque d'incendie ou causer l'émission de gaz toxiques.

 **L'encre, les liquides nettoyants et les liquides usés sont inflammables et toxiques**

 **ATTENTION**



Ne pas approcher une flamme nue de l'espace de travail.
L'encre et les liquides usés sont inflammables.



Ne jamais entreposer d'encre, de liquide de nettoyage ou des liquides usés dans les endroits suivants :

- un endroit exposé à une flamme nue;
- un endroit où il y a risque de température élevée;
- près d'eau de Javel, d'un autre agent d'oxydation ou de matériel explosif;
- tout endroit à la portée d'enfants;

Il y a risque d'incendie. L'ingestion accidentelle par un enfant peut présenter un risque pour la santé.



Ne placez jamais un récipient d'encre (tel qu'une cartouche ou une poche) dans le feu.
De l'encre pourrait couler, s'enflammer et le feu se répandre à des objets proches.

 **ATTENTION**



Ne jamais boire l'encre, le liquide de nettoyage ni les liquides usés, ne pas en respirer les vapeurs et ne pas laisser les produits entrer en contact avec les yeux ou la peau.
Cela est dangereux pour la santé.


 **PRUDENCE**



S'assurer que le lieu de travail est bien aéré.
L'absence d'aération adéquate peut créer une situation dangereuse pour la santé ou un risque de combustion à cause des vapeurs qui émanent de l'encre.



Ne jamais soumettre un réservoir d'encre (cartouche ou poche) aux impacts et ne jamais tenter de le démonter.
De l'encre pourrait s'échapper.

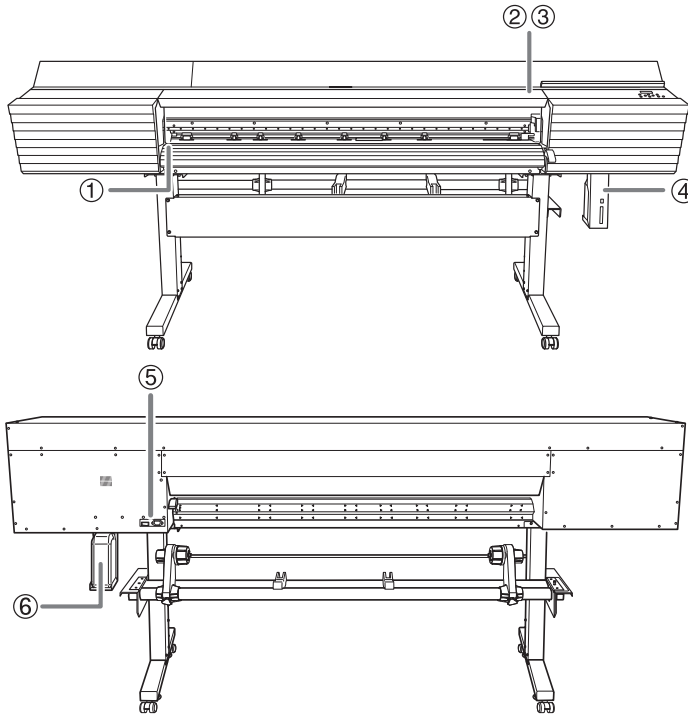
 **En cas d'ingestion ou de trouble physique**

- En cas de contact avec les yeux : rincer immédiatement et abondamment à l'eau courante pendant au moins 15 minutes. Si les yeux sont toujours irrités, consulter un médecin.
- En cas de contact avec la peau : laver immédiatement à l'eau et au savon. En cas d'irritation ou d'inflammation de la peau : consulter un médecin.
- En cas d'ingestion : ne pas provoquer le vomissement et demander immédiatement l'aide d'un médecin. Provoquer le vomissement peut créer un risque de suffocation.
- Si l'odeur cause un trouble physique, amener la personne dans un endroit bien aéré et la faire se reposer. Si l'étourdissement ou la nausée persistent, consulter un médecin.

* Se référer à la fiche technique de sécurité (SDS = safety data sheet) pour toute information sur les produits chimiques contenus dans l'encre et les instructions de sécurité associées.

⚠ Vignettes d'avertissement

Des vignettes d'avertissement sont apposées pour qu'il soit facile de repérer les zones dangereuses. La signification des vignettes est donnée ci-dessous. Respecter les avertissements. Ne jamais retirer les vignettes et ne pas les laisser s'encrasser.



①		<p>Attention : Température élevée</p> <p>La platine et la surface de séchage chauffent. Être prudent pour éviter un incendie ou des brûlures.</p>
②		<p>Attention : Risque de pincement</p> <p>Faire attention de ne pas coincer les doigts pendant le chargement du support ou lors de la fermeture du couvercle.</p>
③		<p>Attention : Têtes d'impression mobiles</p> <p>Les têtes d'impression sous le couvercle se déplacent à haute vitesse et représentent un danger. Ne jamais insérer la main ou les doigts dans l'ouverture.</p>
④		<p>L'encre, le liquide de nettoyage et le rejet liquide sont toxiques</p> <p>Il peut s'avérer dangereux pour la santé si ces liquides viennent en contact avec les yeux ou la peau. Lors de travaux d'entretien, à l'élimination de rejets liquides par exemple, utilisez une protection oculaire et des gants protecteurs (se reporter à la fiche signalétique [FS]).</p>
⑤		<p>Attention : voltage élevé</p> <p>Il peut être dangereux de retirer le couvercle puisqu'il y aurait des risques de chocs électriques ou d'électrocution à cause du voltage élevé.</p>
⑥		<p>Inflammable</p> <p>L'encre et les liquides usés sont inflammables. Les garder loin de toute flamme nue.</p>

1. Introduction

1. Checks before Installation.....	20
About the User's Manuals for This Machine.....	20
About Placement and Installation Work	21
Deciding On an Installation Site	21
Temperature and Humidity.....	22
Installation Space	22
2. Checking Included Items.....	23

1. Checks before Installation

About the User's Manuals for This Machine

The following documentation is included with the machine.

Paper Manuals

- **Setup Guide**
This manual contains details on how to install the machine and how to configure its initial settings.
- **Regular Maintenance Guide**
This manual contains details on the machine's daily maintenance as well as on the maintenance that must be performed periodically.

Electronic-format Manual

- **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 manual from the following URL or QR code.

<https://webmanual.rolanddg.com/SG2-640>

- * You can also view and download all the paper manuals.
- * You can also view this website from a smartphone.



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 placement to suitably qualified workers.

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

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 260 kg (573 lb.) or more (231 kg [509 lb.] or more for the 54-inch model or 168 kg [370 lb.] or more for the 30-inch model). Installation in an unsuitable location may cause a major accident, including tip over, fall, or collapse.



WARNING

Never install the 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 may 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 or danger of combustion 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 exposed to water or moving air
- Locations exposed to considerable electrical or magnetic noise or other forms of electromagnetic energy

1. Checks before Installation

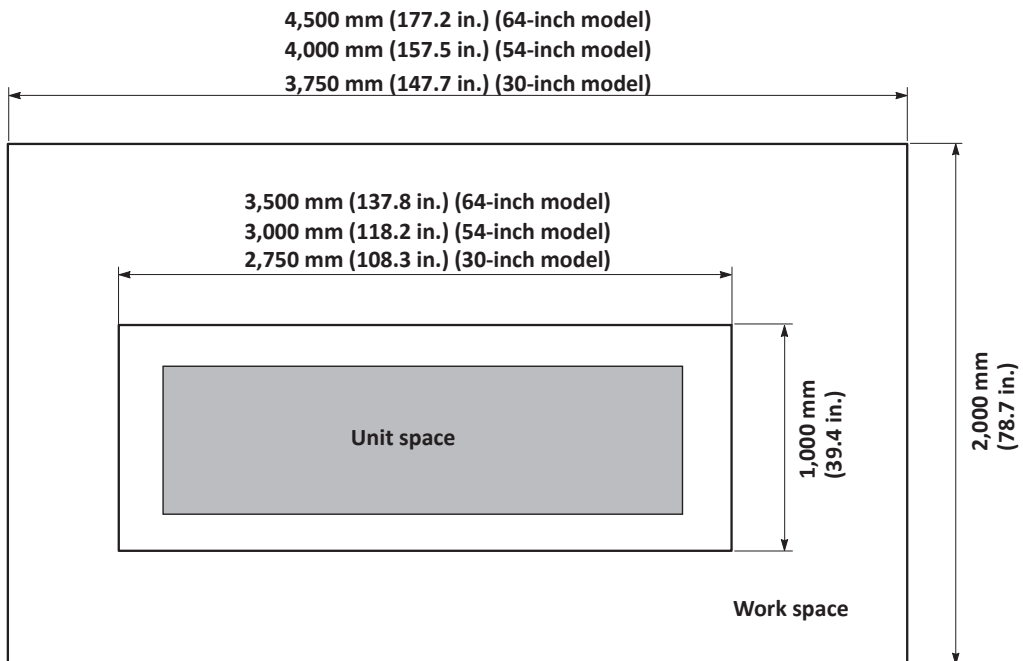
Temperature and Humidity

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

- **During operation:** Temperature: 20 to 32°C (68 to 90°F), humidity: 35 to 80%RH (no condensation)
- **During non-operation:** Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80%RH (no condensation)

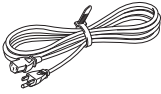
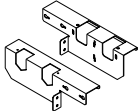
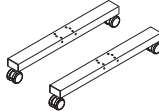
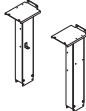
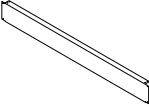

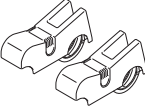
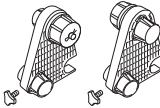
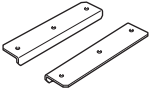
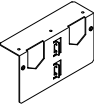

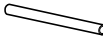

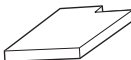
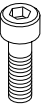
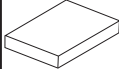

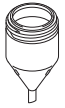
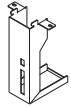
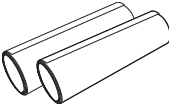
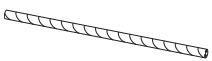
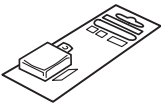







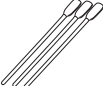
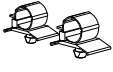


Installation Space

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



2. Checking Included Items

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

 Power cord (1)		 Arms (1 each for right and left)		 Casters (2)		 Stand legs (1 each for right and left)	
 Stand stay (1)		 Shafts (2)		 Media stays (2)		 Media holders/retaining screws (1 each for right and left)	
 Shaft clamps (2)		 Media holder adjuster (1)		 Hexagonal wrench (1)	 Pipe (1)	 Replacement wiper (1)	 Tray pad (1)
 Adjustment bolt (1)	 Software RIP (1)	 Drain bottle (1)	 Drain funnel (1)	 Drain bottle stand (1)	 Adjustment papers (2)		 Paper tube (1)
 Replacement blade for separating knife (1)		 Blade holder (1)	 Blade (1)	 Pin (1)	 Bolts (long) (8)	 Bolts (short) (38)	 Washer (8)
 Cleaning liquid (1)	 Cleaning sticks	 Cable clamps (2)	 Tweezers (1)	 Setup Guide (this document; 1) Regular Maintenance Guide (1)			

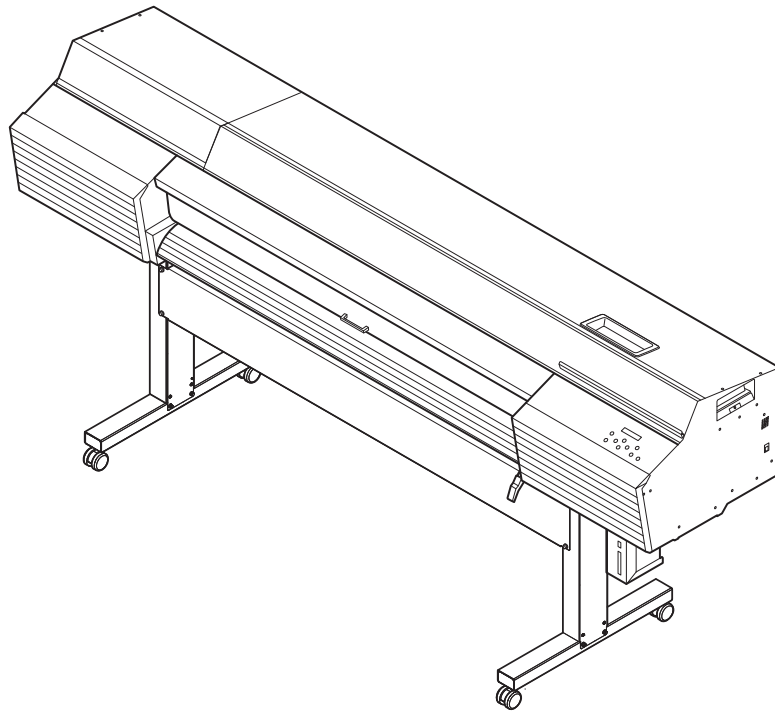
2. Installation

1. Assembly and Ink Filling.....	26
Checks before Operations.....	26
Step 1: Assembling the Stand	27
Step 2: Assembling the Printer Unit and the Stand.....	30
Step 3: Installing the Media Holders and Media Stays.....	34
Step 4: Installing the Drain Bottle	40
Step 5: Removing the Retainers.....	42
Step 6: Connecting the Cables	43
Step 7:Preparing the Ink and the TR2 Cleaning Liquid.....	44
Step 8: Initial Settings and Ink Filling.....	46
Step 9: Adjustment of Media Holder Adjuster.....	50
2. Installing the Cutting Tool	51
Step 1: Assembling the Cutting Tool.....	51
Step 2: Installing the Cutting Tool	52
3. Network Settings	54
Step 1: Make the Network Settings for the Computer.....	54
Step 2: Make the Network Settings on the Printer	56
Step 3: Make the Port Settings for the Software RIP.....	58

1. Assembly and Ink Filling

Checks before Operations

Completed Drawing



Necessary Tools (Included Items)

- Hexagonal wrench (1)
- Pipe (Use this when the hexagonal wrench is too short to easily tighten bolts.) (1)
- Bolts (short: 38)
- Bolts (long: 8)
- Washers (8)

Necessary Tools (Supplied by the Worker)

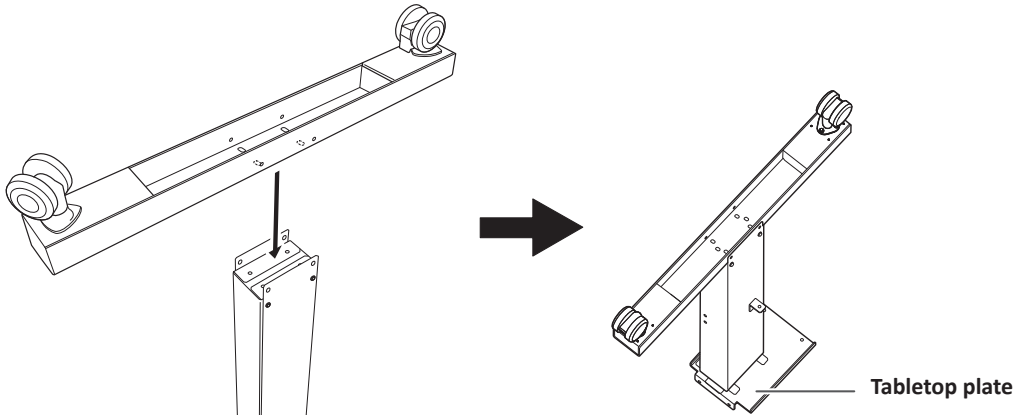
- Lifting bars (2)
- Lifting bar fixing bolts (4)

Step 1: Assembling the Stand

Procedure

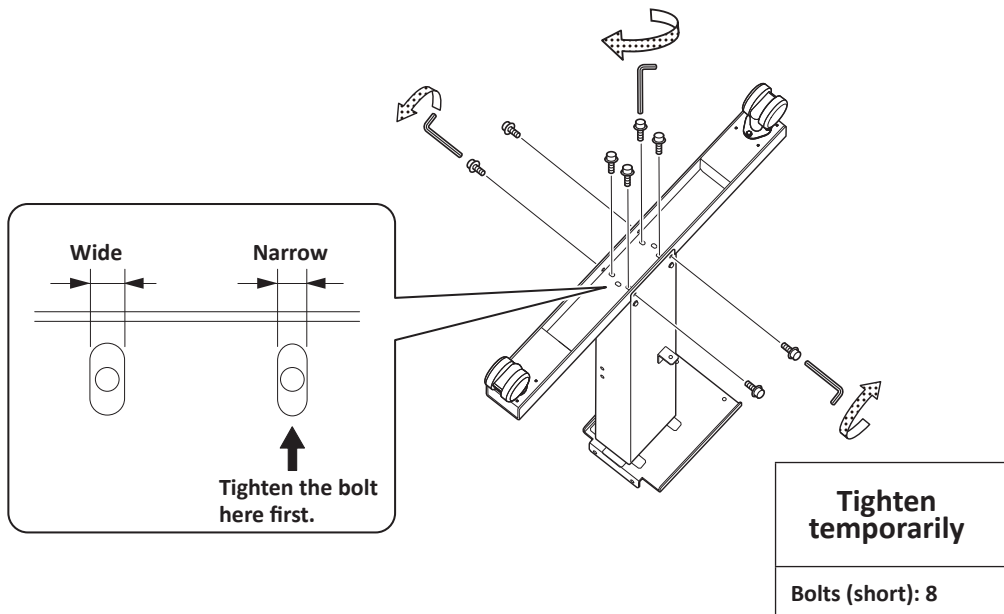
1 Place the caster on the stand leg.

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



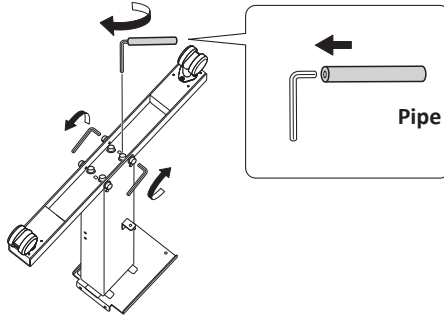
2 Lightly tighten the bolts in the 4 upper locations and then in the 4 locations on the sides.

For the 4 upper locations, first tighten the bolts in the narrow slots. In this way you can attach the caster in the correct position.



- 3 Fully tighten the bolts in the 4 upper locations and then in the 4 locations on the sides.**

Use the pipe when tightening the bolts in the upper locations. When tightening the bolts fully, tighten them securely. Loose bolts may cause the stand to wobble.

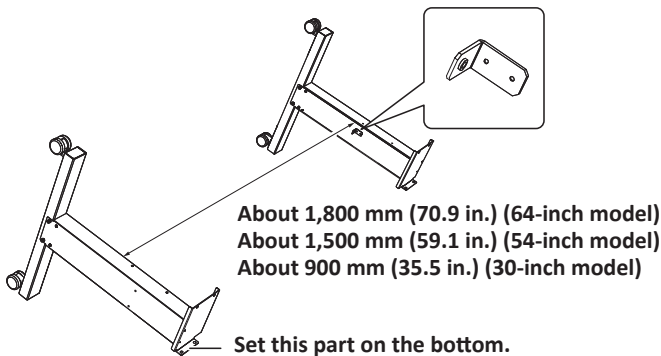


Tighten fully
Bolts (short): 8

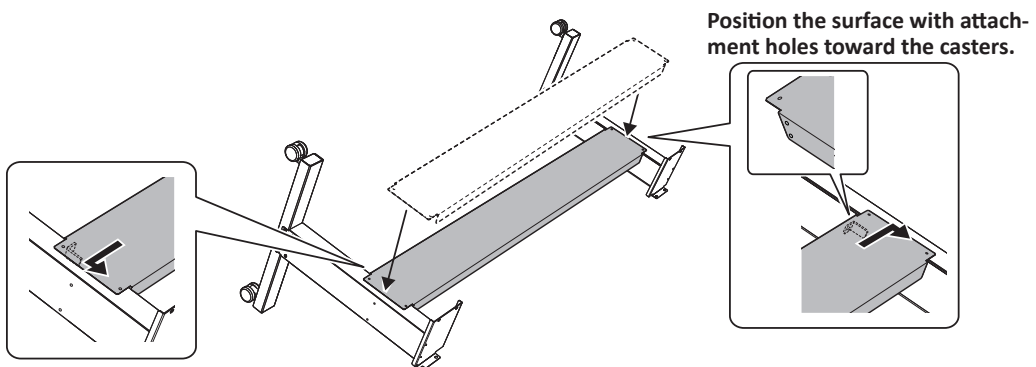
- 4 Assemble the opposing stand leg by following the same procedure from step 1 to step 3.**

- 5 Position the stand legs parallel to each other and separated by the prescribed distance.**

Position the legs so that the L-shaped brackets face the inside and the bent side of the tabletop plate faces down for each leg.

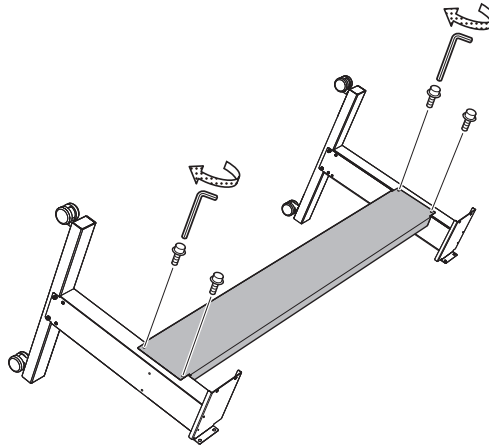


- 6 Place the stand stay on the stand legs.**



7 Lightly tighten the bolts in the order of ①, ②.

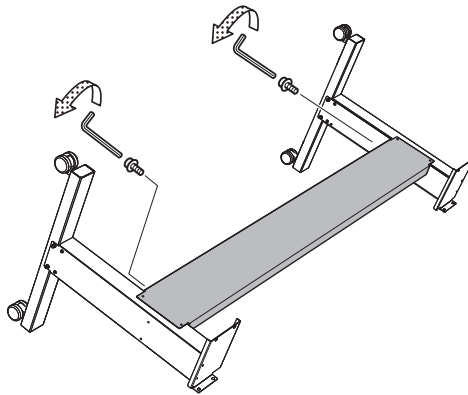
①



Tighten temporarily

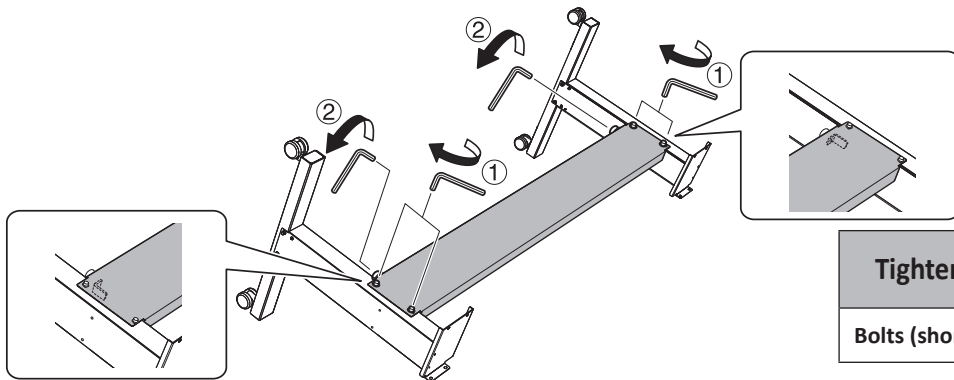
Bolts (short): 6

②



8 Fully tighten the bolts in the order of ①, ②.

Tighten the (short) bolts securely. Loose (short) bolts may cause the stand to wobble.



Tighten fully

Bolts (short): 6

Step 2: Assembling the Printer Unit and the Stand

Important

If you will not use the lifting bars, proceed to P. 32 "2. Fix the printer unit to the stand.". However, in that situation, be sure to perform the work with the number of people listed below.

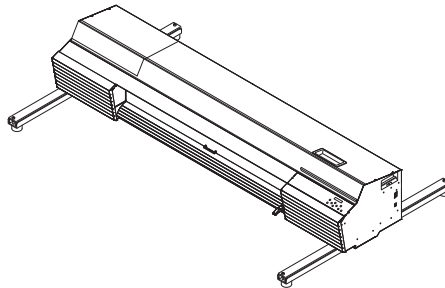
- 64-inch model: Eight or more people
- 54-inch model: Six or more people
- 30-inch model: Six or more people

1. Attach the lifting bars to the printer unit.

MEMO

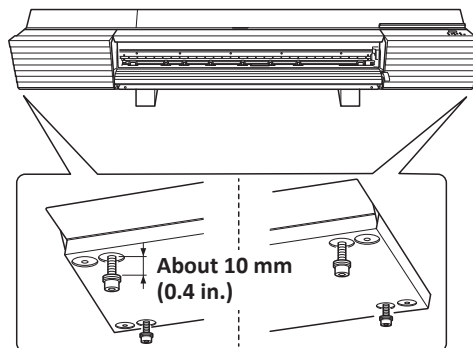
- The lifting bars and the lifting bar fixing bolts are not included with the printer. The worker performing the installation will bring them to the work area.
- Attach the lifting bars with the printer unit in the packing box.

State after attaching the lifting bars



1 Temporarily tighten the lifting bar fixing bolts (4 locations in total) on the bottom surface of the printer unit.

There are 4 screw holes on each side of the bottom surface. Use the 2 inner holes on each side. Tighten the lifting bar fixing bolts until you can see approximately 10 mm (0.4 in.) of their threads.

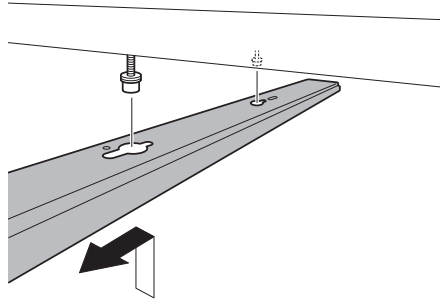


Tighten temporarily

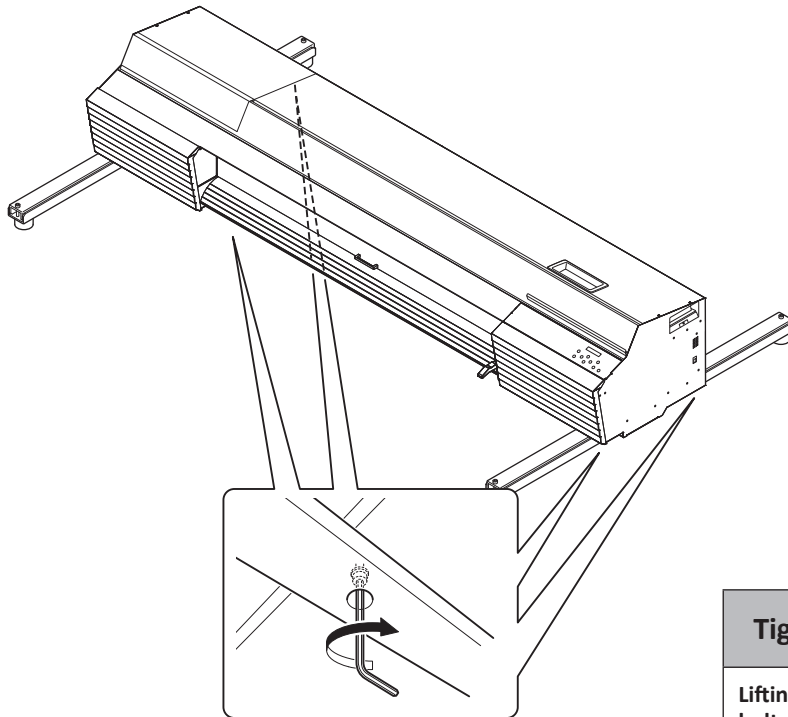
Lifting bar fixing bolts: 4

2 Attach the lifting bars to the temporarily tightened lifting bar fixing bolts.

After passing the lifting bar fixing bolts through the holes, slide the lifting bars to the front so that they do not fall off.

**3 Fully tighten the lifting bar fixing bolts (4 locations in total).**

Tighten the lifting bar fixing bolts securely. Loose lifting bar fixing bolts may lead to accidents when the printer unit is moved.



Tighten fully

Lifting bar fixing bolts: 4

Point

You can view the inside of the lifting bars from the top holes. Carry out the work while checking the positions and tightening status of the bolts.

2. Fix the printer unit to the stand.

- 1 With six or more workers, firmly hold the lifting bars and lift up the printer unit.

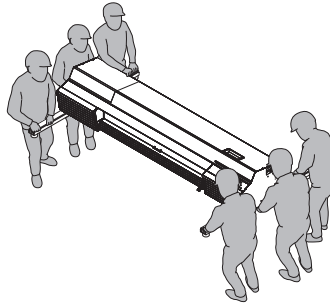
⚠ CAUTION

Be sure to perform this work with six or more people. Have at least one person hold each of the four ends of the lifting bars and at least one person hold each end of the housing.

Tasks that require undue effort when performed by a small number of persons may result in physical injury. Dropping this machine may result in injury.

⚠ CAUTION

Before lifting up the printer unit, check that the lifting bars do not rattle. If the lifting bars rattle, retighten the lifting bar fixing bolts fixing them in place.



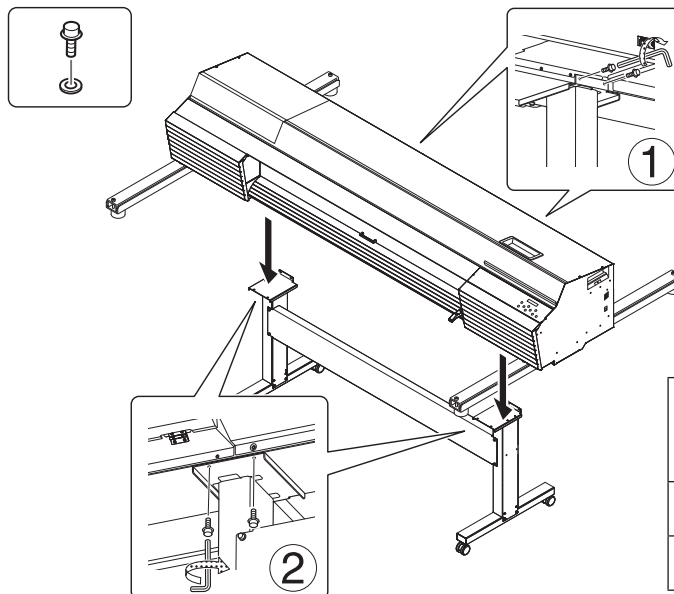
⚠ Caution

When not using the lifting bars, be sure to perform the work with eight or more people (six or more people for the 54-inch and 30-inch models).

Tasks that require undue effort when performed by a small number of persons may result in physical injury. Dropping this machine may result in injury.

- 2 Place the printer unit on the stand, and then temporarily tighten the bolts in the order of ①, ②.

Set the assembled stand upright, and then fix the printer unit to it by tightening the (long) bolts (8 locations in total). Use a washer for each (long) bolt.



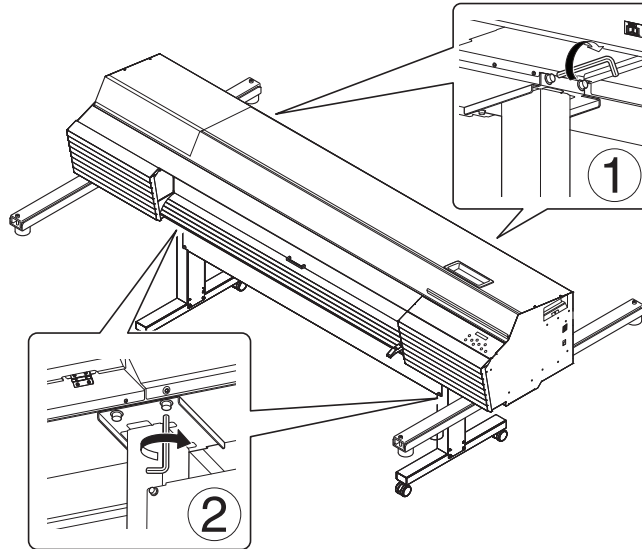
Tighten temporarily

Bolts (long): 8

Washers: 8

3 Fully tighten the bolts (long) in the order of ①, ②.

Tighten the bolts (long) securely. Loose bolts (long) may cause the stand to wobble.



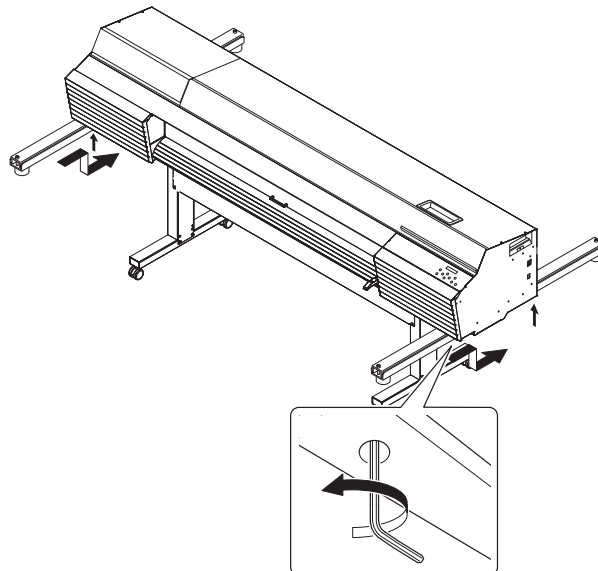
Tighten fully

Bolts (long): 8

Washers: 8

4 Remove the lifting bars.

- ① Loosen the lifting bar fixing bolts (4 locations in total) on the bottom surface of the printer unit.
- ② Remove the lifting bars by sliding them to the back of the printer unit.



Step 3: Installing the Media Holders and Media Stays

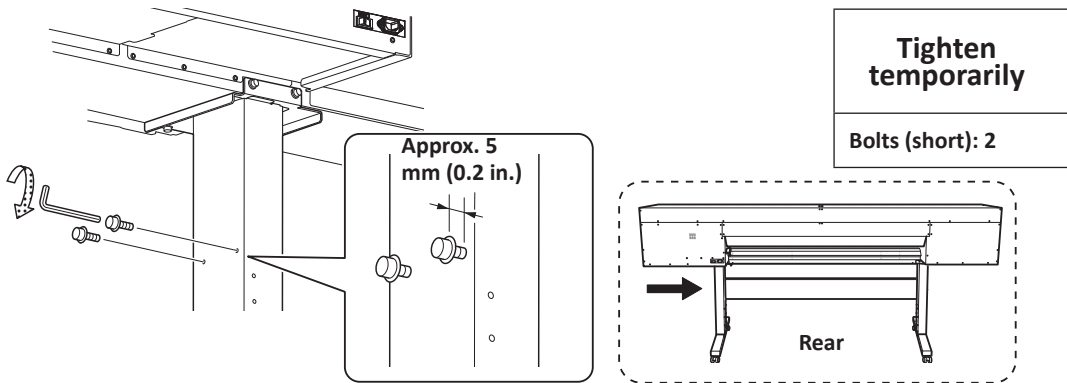
IMPORTANT: Be sure to follow the procedure.

After finishing P. 27 "Step 1: Assembling the Stand" and P. 30 "Step 2: Assembling the Printer Unit and the Stand", perform P. 34 "Step 3: Installing the Media Holders and Media Stays". If this procedure is not followed, printing results will be affected because the media holders will not be installed in the correct positions.

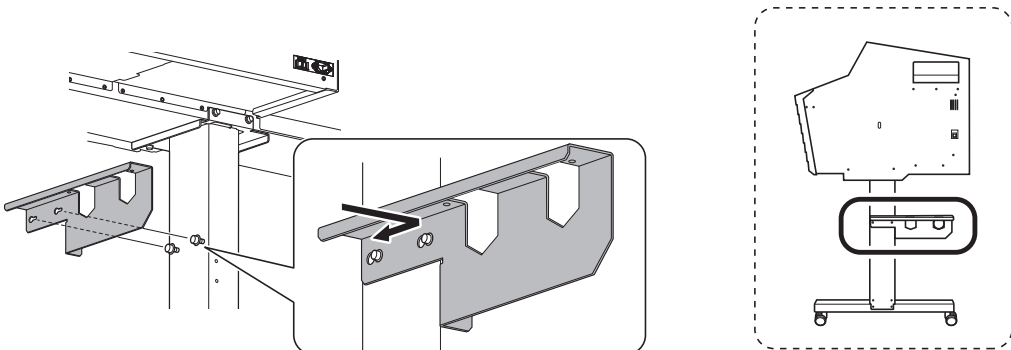
1. Attach the arms.

- 1 **Temporarily tighten the bolts (short) on the left side of the stand as seen from the rear of the printer.**

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

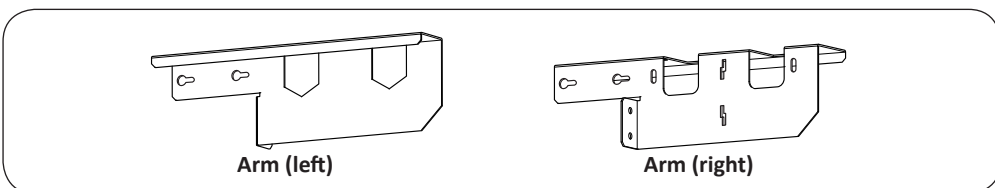


- 2 **Attach the left arm to the temporarily tightened bolts (short).**

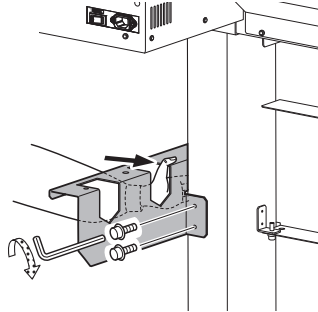


Point

Each arm can only be used on either the left or right side. Attach them on the correct sides.



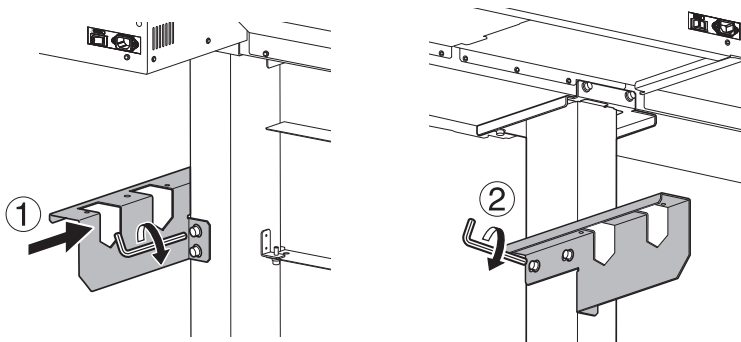
- 3** Lightly tighten the bolts connecting the rear of the stand to the arm's contact surface. While pressing the side of the arm onto the stand leg, tighten the bolts.



Tighten temporarily

Bolts (short): 2

- 4** Fully tighten the bolts in the order of ① (stand rear), ② (stand side).



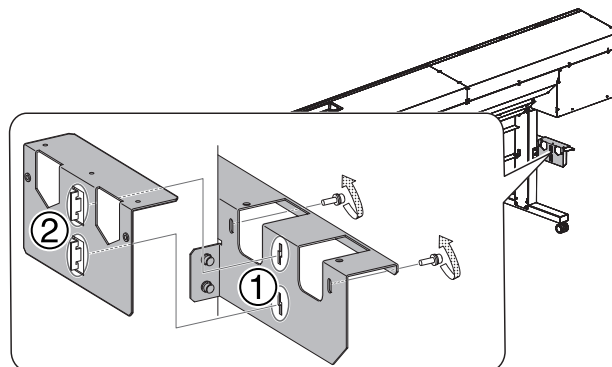
Tighten fully

Bolts (short): 4

- 5** Attach the other arm to the right side as seen from the rear of the machine.

- 6** Attach the media holder adjuster to the right arm as seen from the rear of the machine.

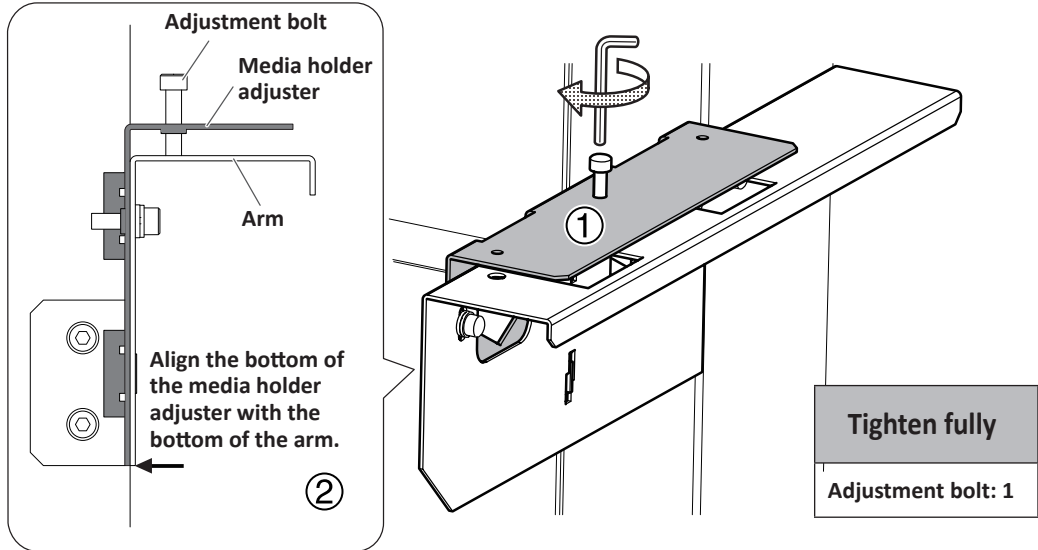
Pass the protrusions of the media holder adjuster ② through the notches on the arm ①, and then temporarily tighten the bolts so that the media holder adjuster does not fall off.



Tighten temporarily

Bolts (short): 2

- 7 Attach the adjustment bolt ①.
- 8 Tighten the adjustment bolt until the bottom of the right arm and the bottom of the media holder adjuster are aligned ②.



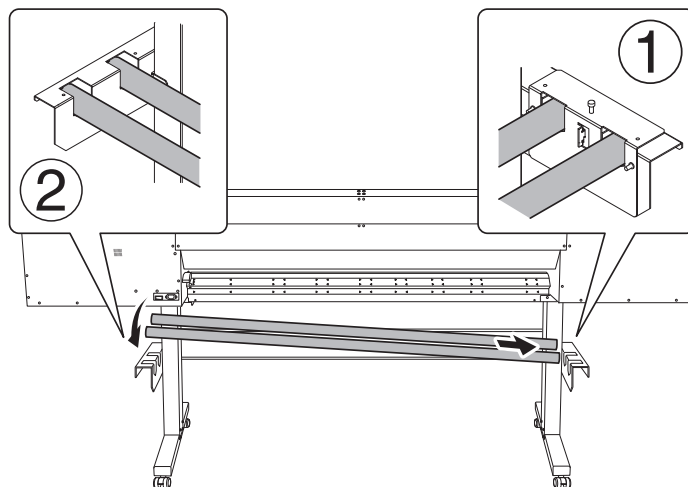
MEMO

At the end of the installation work, a suitably qualified worker will adjust the media adjuster holder. Leave this work to the suitably qualified worker.

2. Attach the media holders.

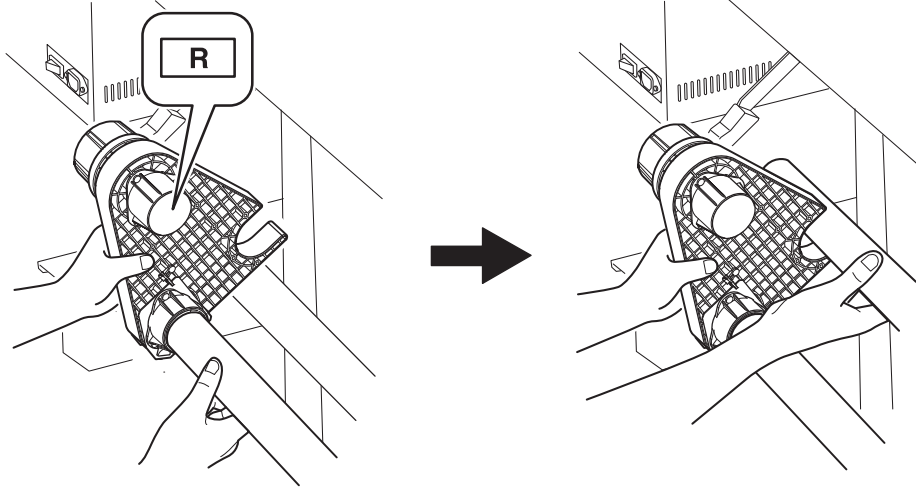
- 1 Place the shafts on the arms.

First insert the shafts into the holes on the right side as seen from the rear of the machine, and then place the shafts into the holes on the left side.



2 Pass the right media holder onto the shafts.

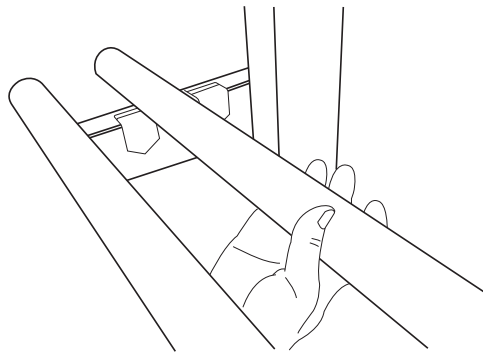
Pass the shaft through from the left as seen from the rear of the machine.



Pass the front shaft through the right media holder.

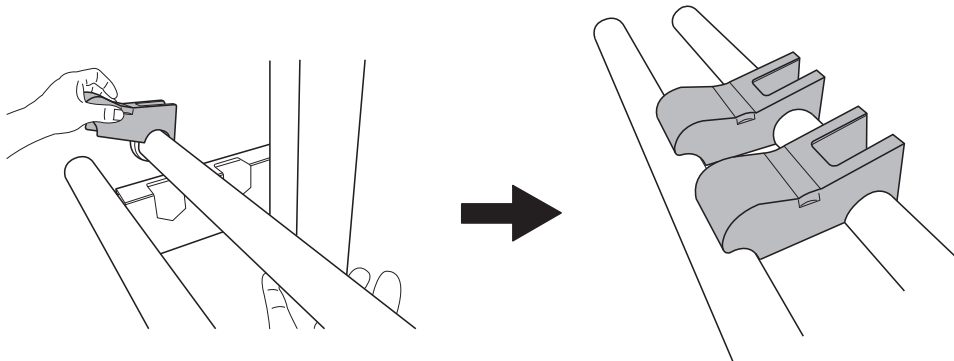
Catch the right media holder on the rear shaft.

3 Lift up the front shaft and rear shaft at the same time.

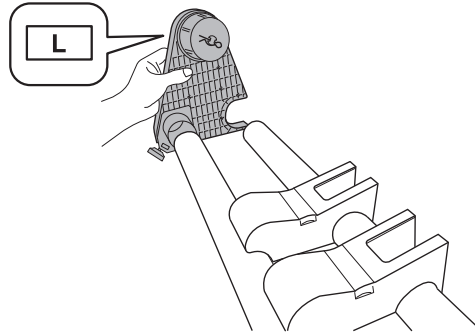


4 Pass the rear shaft through the media stays.

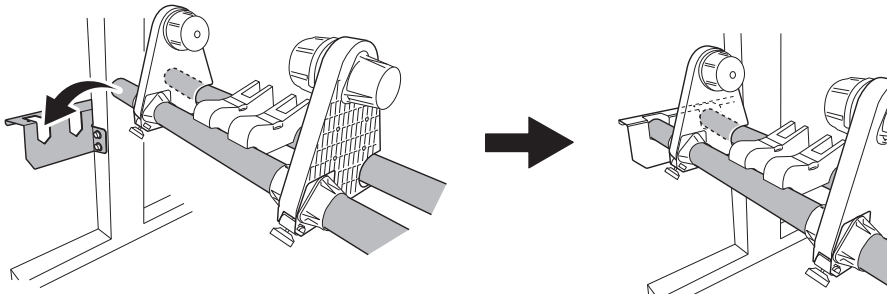
Pass the shaft through the two media stays.



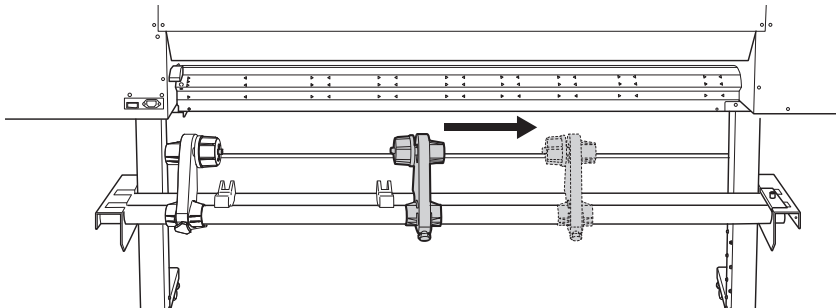
- 5 With the two shafts lifted up, pass the shafts through the left media holder.



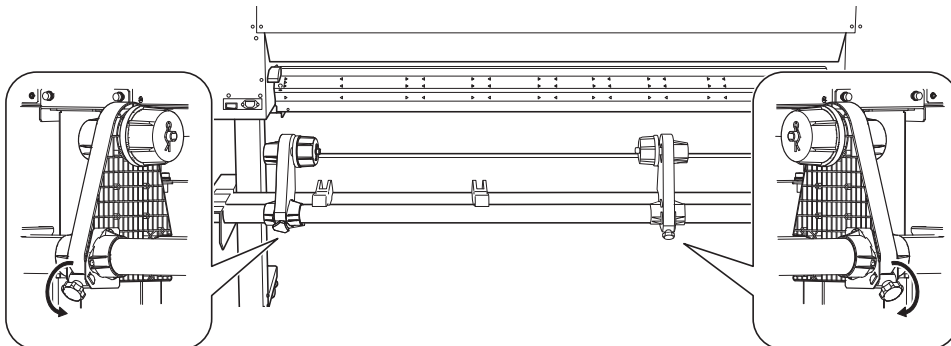
- 6 Place the left end of the shafts on the left arm.



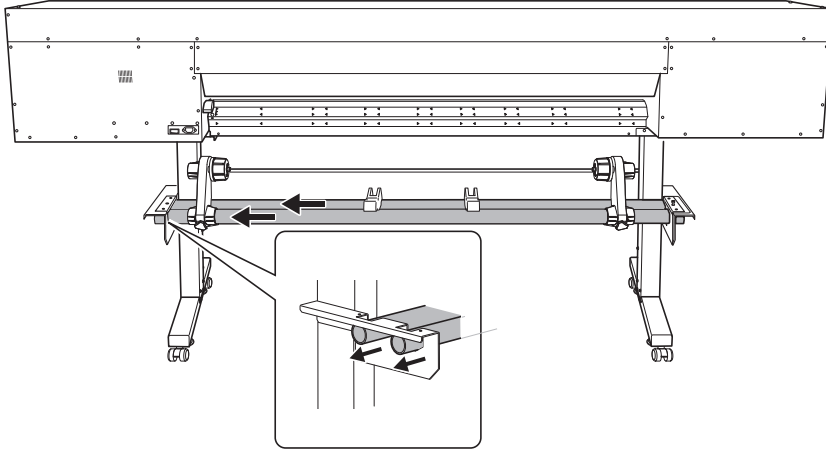
- 7 Move the right media holder to the right side of the shafts.



- 8 Tighten the retaining screw.



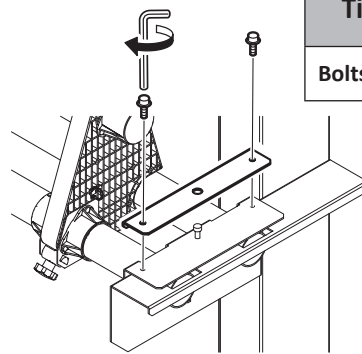
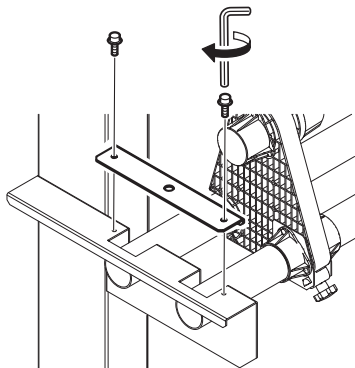
- 9** Slide the shafts in to the left side as seen from the rear of the machine.
Press the shafts against the left arm.



- 10** Attach the shaft clamps to secure the shafts in place.

Point

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



Tighten fully

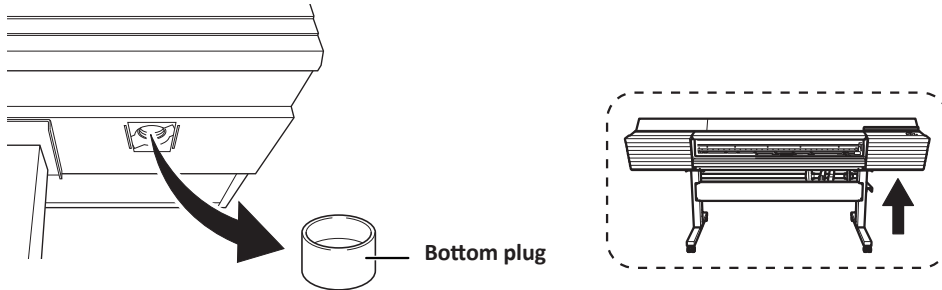
Bolts (short): 4

Step 4: Installing the Drain Bottle

Procedure

1 Remove the bottom plug.

Discharged fluid used in the inspection when the printer was shipped may remain. Exercise caution.

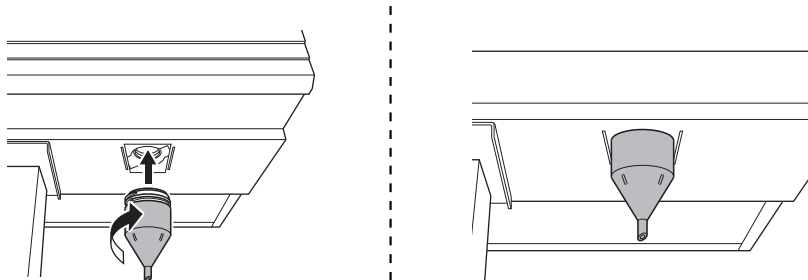


2 Install the drain funnel.

Screw the drain funnel into the hole where the bottom plug was attached.

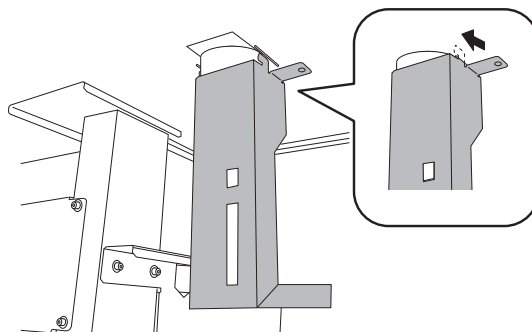
IMPORTANT

Use caution to turn the bottle without applying excessive force.



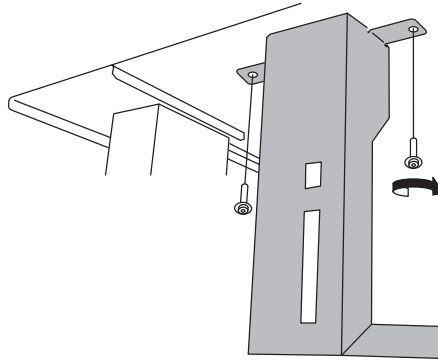
3 Install the drain bottle stand.

Insert the drain bottle stand into the groove on the bottom surface of the printer unit, and then push the drain bottle stand to the front.



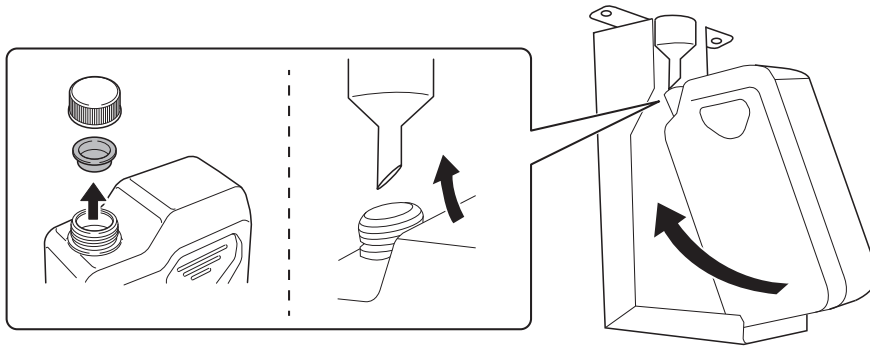
4 Secure the drain bottle stand in place.

Tighten the bolts securely (2 locations in total).



Tighten fully

Bolts (short): 2

5 Install the drain bottle in the bottle stand.

IMPORTANT: Leave the drain bottle attached at all times.

Only remove the drain bottle when you are disposing of the discharged fluid. Unnecessarily removing the drain bottle may lead to the discharged fluid spilling.

Step 5: Removing the Retainers

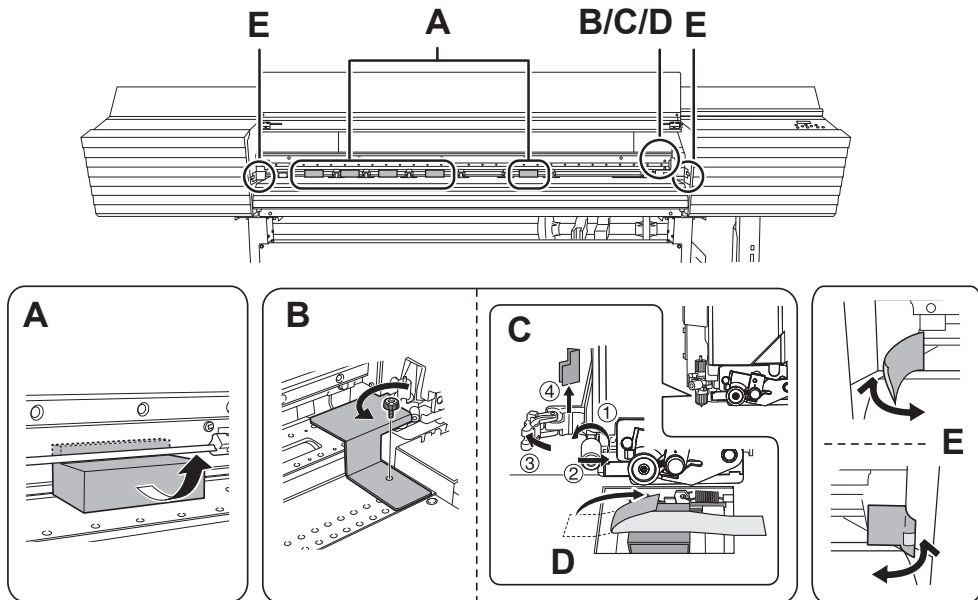
IMPORTANT

- Make sure to remove all the retainers. Any that remain may cause faulty operation or breakdown when the power is switched on.
- Store the retainers because they are needed again when transporting the machine.

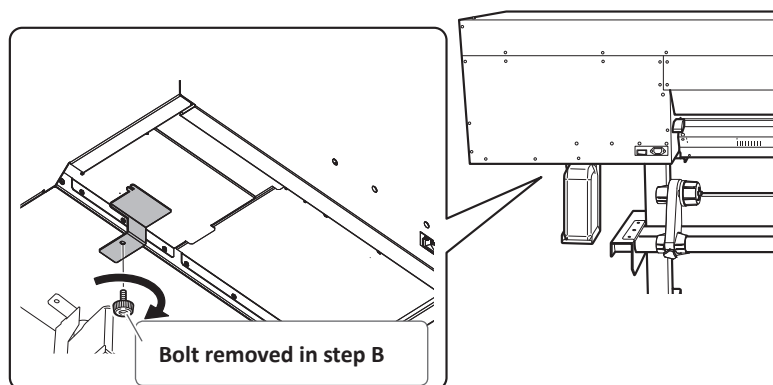
Procedure

1 Remove all the retainers indicated by A, B, C, D and E.

There is no need to store the retainers indicated by E.



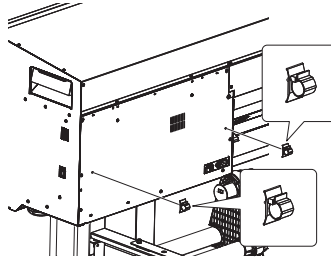
2 Install the retainer indicated by B at the position indicated in the figure for storage.



Step 6: Connecting the Cables

Procedure

- 1 Insert the cable clamp.



- 2 Connect both the power cord and the Ethernet cable (commercially available).
Use a power plug adapter if the electrical outlet is a two-prong outlet.

⚠ WARNING

Perform this task with all power switches left switched off.

Failure to observe this instruction may cause the machine to move suddenly, resulting in injury.

⚠ WARNING

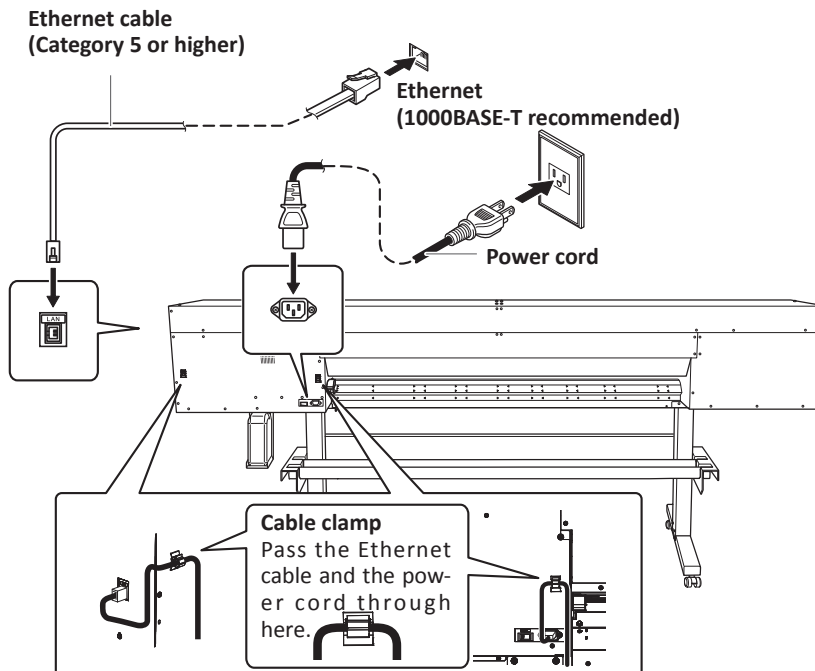
Connect to an electrical outlet that complies with this machine's ratings (for voltage, frequency, and current).

Incorrect voltage or insufficient current may cause fire or electrical shock.

⚠ WARNING

Connect the machine to ground.

This can prevent fire or electrical shock due to current leakage in the event of malfunction.



Step 7: Preparing the Ink and the TR2 Cleaning Liquid

Items Used in this Procedure

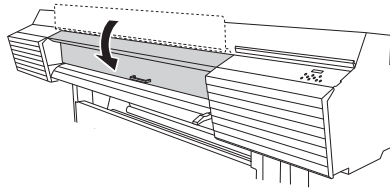
- Ink pouches (each color)
- TR2 cleaning liquid pouch (1)

IMPORTANT

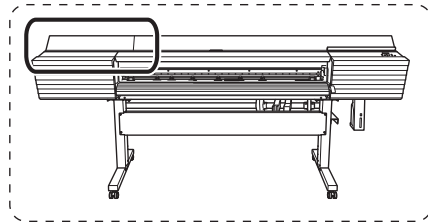
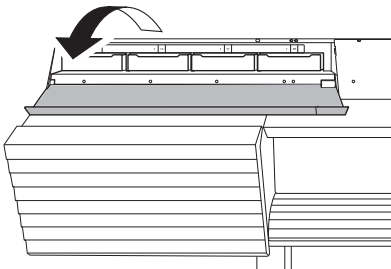
Be sure to use new ink pouches and a new TR2 cleaning liquid pouch. Never, under any circumstances, use anything other than the specified type of ink or cleaning liquid. The ink pouches and the TR2 cleaning liquid pouch must be purchased separately. Contact your authorized Roland DG Corporation dealer or visit our website (<http://www.rolanddg.com/>).

Procedure

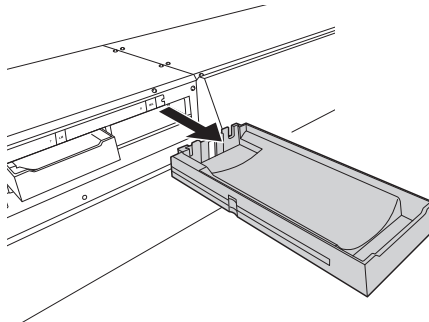
- 1 Close the front cover.



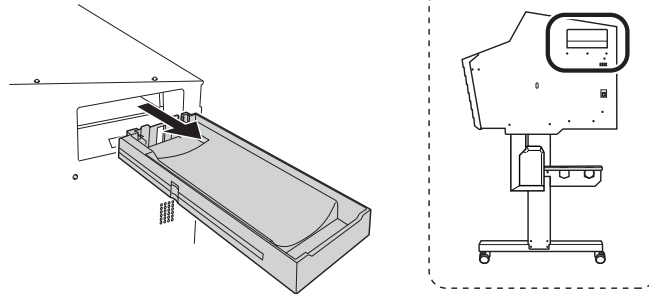
- 2 Open the ink slot cover.



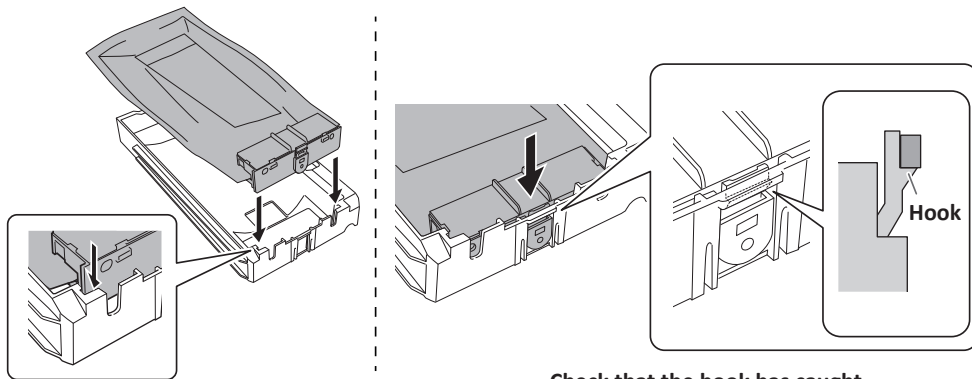
- 3 Remove all the pouch trays from the ink slots.



- 4** Remove the pouch tray from the cleaning liquid slot.



- 5** Set the ink pouch for each color and the TR2 cleaning liquid pouch in the removed pouch trays.

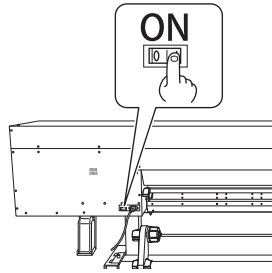


Check that the hook has caught.

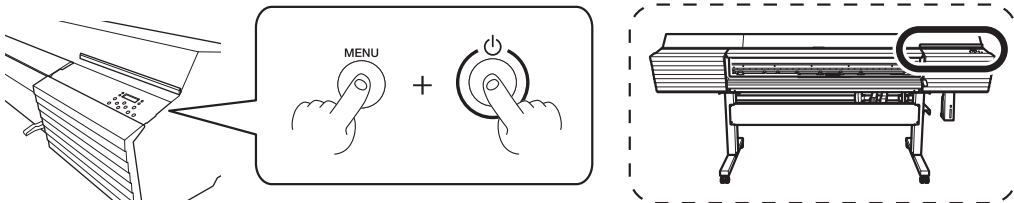
Step 8: Initial Settings and Ink Filling

1. Make the initial settings.

- 1 Switch on the main power switch.



- 2 Hold down [MENU] and press the sub power switch.



- 3 Press [▲] or [▼] to select the language you want, and then press [ENTER].



- 4 Press [▲] or [▼] to select the unit of measurement you want (for length), and then press [ENTER].



- 5 Press [▲] or [▼] to select the unit of measurement you want (for temperature), and then press [ENTER].

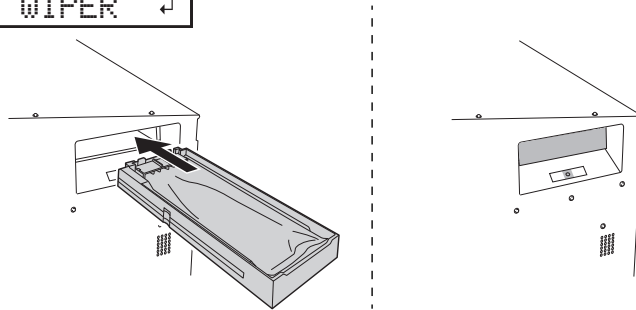


2. Set the TR2 cleaning liquid and select the ink type.

- 1** When the screen shown below appears, set the pouch tray in which you have set the TR2 cleaning liquid pouch in the cleaning liquid slot. Insert the pouch trays as far as they will go.

```
SET CL-LIQUID
FOR WIPER ↵
```

* "CL-LIQUID FOR WIPER" indicates the TR2 cleaning liquid.



- 2** Press [ENTER] when the following screen appears.

```
SELECT INK TYPE ◀
TR2 4C ↵
```

- 3** Press [◀] or [▶] to select [YES], and then press [ENTER].

```
TR2 4C ◀▶
[YES] NO ↵
```

If the ink type is incorrect, select [NO], and then press [ENTER] to start again from step **2**.

- 4** Make sure the drain bottle is installed, and then press [ENTER].

☞ P. 40 "Step 4: Installing the Drain Bottle"

```
INSTALL
DRAIN BOTTLE ↵
```

The screen shown below appears, and then the machine starts the preparations for the ink filling. The (approximate) remaining time for the procedure is displayed on the screen. (The display shown below is an example. "20:00" = "20 minutes and 00 seconds")

```
FILLING INK...
>>>> 20:00
```

MEMO

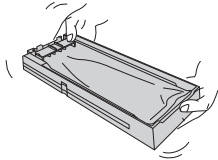
If the screen shown below appears here, pouch trays remain in the ink slots. Remove all the pouch trays.

```
SET CARTRIDGE
1234
```

3. Fill the machine with ink.

1 Gently shake the ink pouch for each color.

The precipitation of the ingredients in the ink disables printing in normal color. So that the ink mixes well, shake the pouch tray horizontally with a stroke length of around 5 cm (2 in.) from each end of the tray.



IMPORTANT

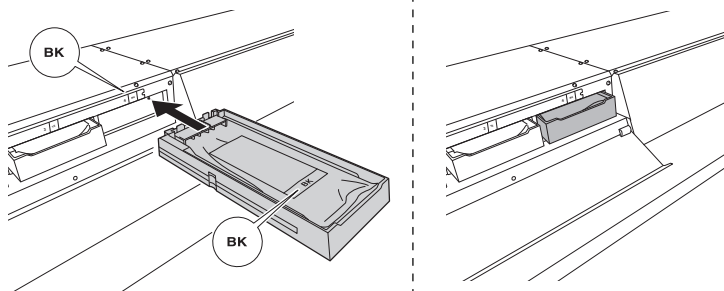
- Do not remove the ink pouches. Shake the entire pouch tray. Removing the ink pouches may lead to the ink leaking.
- Before shaking, wipe off any ink from around the mouth of the ink pouch. If you do not wipe off the ink, it may splatter when you shake the pouch tray.

2 When the screen shown below appears, set the pouch tray in which you have set an ink pouch in the ink slot whose number is flashing.

```
REMOVE CARTRIDGE
 1234
```

IMPORTANT

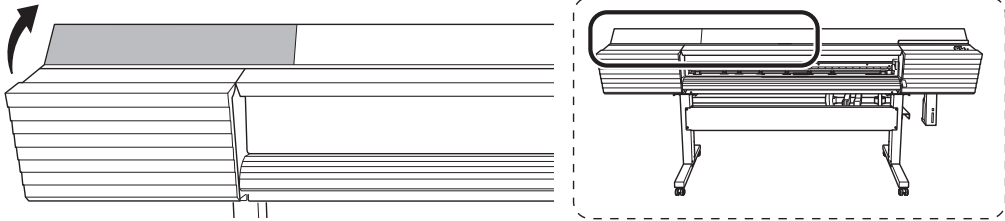
- Do not insert empty pouch trays. Doing so may force air into the ink path and cause printer malfunctions.
- Check the color names indicated on the ink slots and the ink pouches to set all the pouch trays in their correct positions.
- Exercise caution to ensure that the pouch tray labels do not peel off and insert the pouch trays as far as they will go.



The screen shown below appears.

```
FILLING INK...
>>>>          XX=XX
```

- 3 Close the ink slot cover.



- 4 When the screen shown below appears, remove the drain bottle and discard the discharged fluid.

```
EMPTY
DRAIN BOTTLE ↵
```

IMPORTANT

When you remove the drain bottle, a few drops of discharged fluid may come out of the drain funnel. Exercise caution to prevent this fluid from soiling your hands or the floor.

⚠ CAUTION

Before you detach the drain bottle, be sure to wait for the screen to display "EMPTY DRAIN BOTTLE." After discarding the discharged fluid, promptly attach the drain bottle to the machine.

Failing to follow this procedure may cause discharged fluid to flow out of the tube and spill, soiling your hands or the floor.

⚠ WARNING

Never place discharged fluid or ink near an open flame.

Doing so may cause fire.

⚠ CAUTION

To store discharged fluid temporarily, place it in the included drain bottle or in a durable sealed container such as a metal can or polyethylene tank, and cap the container tightly.

Any spillage or vapor leakage may cause fire, odor, or physical distress.

- 5 Quickly attach the emptied drain bottle to the machine once more.

- 6 Press [ENTER].

When the screen shown in the figure appears, filling with ink is finished.

```
SETUP SHEET
```

Step 9: Adjustment of Media Holder Adjuster

This work requires subtle adjustments. Leave this work to a suitably qualified worker.

Items Used in this Procedure

General tools (brought to the work area by the worker)	6.0 mm (0.24 in.) hexagonal wrench
	Masking tape
	Scale (ruler)
Included item, retainer	Paper tube (1)
	Adjustment papers (2)
	Retainer B (1) ☞ P. 42 "Step 5: Removing the Retainers"

2. Installing the Cutting Tool

⚠ CAUTION

Be sure to perform operations as specified by the instructions, and never touch any area not specified in the instructions.

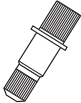


Failure to observe this instruction may cause the machine to move suddenly, resulting in injury.

⚠ CAUTION

Never touch the tip of the blade.

Doing so may result in injury. The cutting performance of the blade will also be impaired.

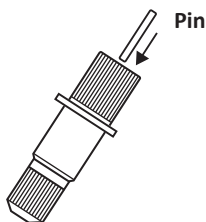
Step 1: Assembling the Cutting Tool

Required items		
 Blade holder	 Blade	 Pin

Procedure

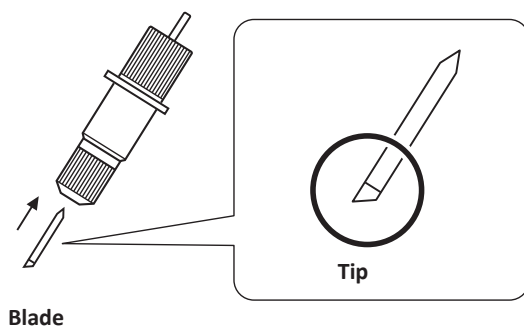
1 Insert the pin.

Insert the pin to the position where its end sticks out about 3 to 5 millimeters (0.12 to 0.20 in.).



2 Insert the blade.

Insert the blade into the hole.



Step 2: Installing the Cutting Tool

1. Enter the "REPLACE BLADE" menu.

1 Press [MENU].

2 Press [▼] several times to display the screen shown below.

```
MENU      ◀◆
SUB MENU  ▶
```

3 Press [▶] once, and then press [▼] several times to display the screen shown below.

```
SUB MENU  ◀◆
MAINTENANCE ▶
```

4 Press [▶] once, and then press [▼] several times to display the screen shown below.

```
MAINTENANCE ◀◆
REPLACE KNIFE ↵
```

5 Press [ENTER].

The cutting carriage moves to a position where blade replacement is possible.

6 When the following screen is displayed, open the front cover.

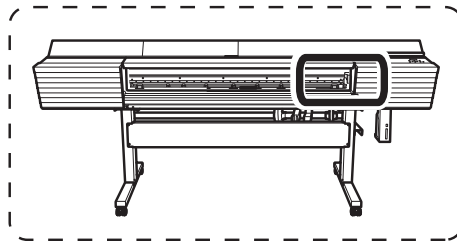
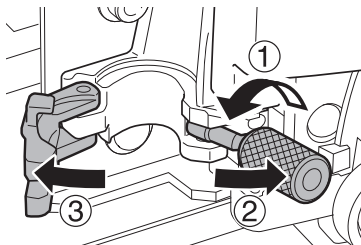
```
OPEN FRONT
COVER
```

Preparations are complete when this screen appears.

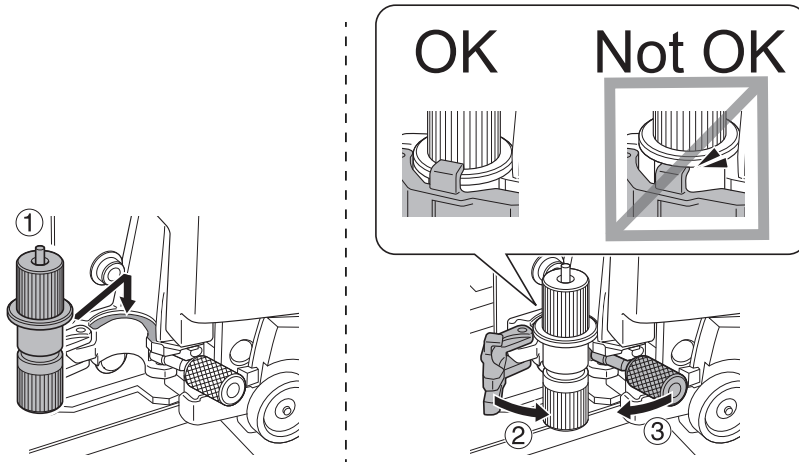
```
FINISHED?
↵
```

2. Install the cutting tool.

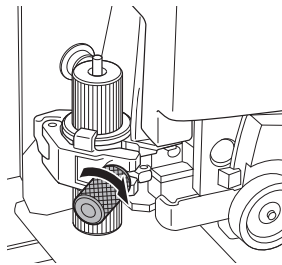
1 Loosen the cutting carriage screw.



- 2 Install the cutting tool in the cutting carriage.



- 3 Tighten the screw.



- 4 Close the front cover.

- 5 Press [ENTER].

IMPORTANT: Handling the cutting carriage

Leave the cutting-carriage screw loose when no cutting tool is installed. Keeping the screw firmly tightened causes the cutting tool insertion hole to become gradually smaller, making installation difficult.

3. Network Settings

The examples used in the procedures for making the settings described in this section assume you are using one computer and one machine. The settings used in this section are merely example settings. The procedures and setting values described here may not be suitable for all operating environments.

If the computer you're using is connected to a number of networked devices or to the Internet, incorrect settings may adversely affect the entire network. For detailed information about the settings, consult your network administrator.

Step 1: Make the Network Settings for the Computer

Procedure

- 1 Log on to Windows as an "Administrator" or a member of the "Administrators" group.
- 2 Display the network connections screen.

Windows 10:

- 1 From the [Start] menu, click [Windows System], and then click [Control Panel].
- 2 Click [Network and Internet], and then click [Network and Sharing Center].
- 3 Click [Ethernet] or [Wi-Fi].

Windows 8.1:

- 1 From the [Start] menu, click [PC settings], and then click [Control Panel].
- 2 Click [Network and Internet], and then click [Network and Sharing Center].
- 3 Click [Ethernet] or [Wi-Fi].

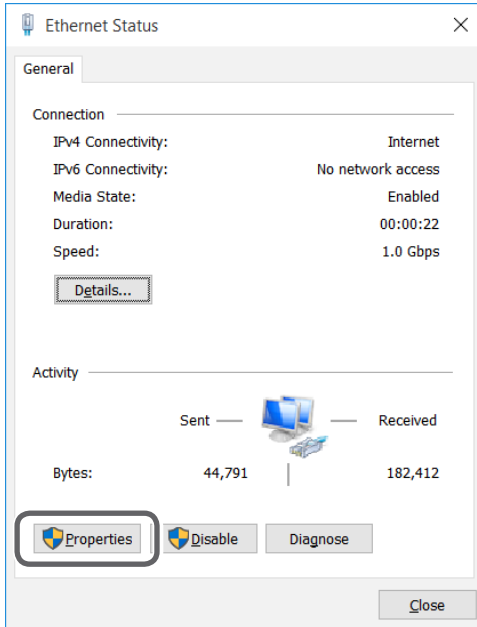
Windows 7:

- 1 From the [Start] menu, click [Control Panel].
- 2 Click [Network and Internet], and then click [Network and Sharing Center].
- 3 Click [Local Area Connection] or [Wireless Network Connection].

3 Click [Properties].

The [Ethernet Properties] dialog box (or the [Local Area Connection Properties] dialog box on Windows 7) appears.

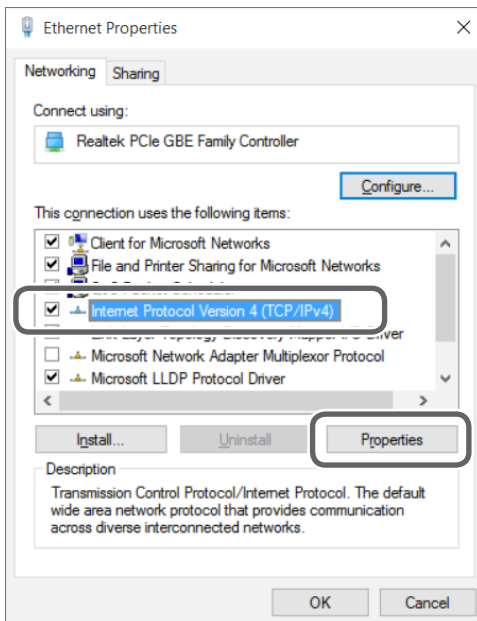
If the [User Account Control] dialog box appears, click [Continue].



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

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

The [Internet Protocol Version 4 (TCP/IPv4) Properties] dialog box appears.

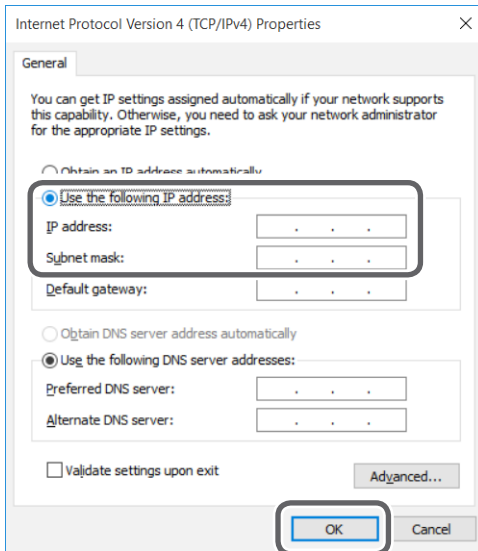


3. Network Settings

- 5 Select [Use the following IP address]. Enter the information as shown below, and then click [OK].

Item	Address to enter
IP address	192.168.0.XXX
Subnet mask	255.255.255.0

Here, "XXX" can be any number from 1 to 254. However, be sure to specify a number that is different from the numbers used for other computers and devices.



- 6 Close this window to return to the original state.

Windows 10, 8.1

Click [OK] in the [Internet Protocol Version 4 (TCP/IPv4) Properties] dialog box, click [Close] in the [Ethernet Properties] dialog box, and then click [Close] in the [Ethernet Status] dialog box.

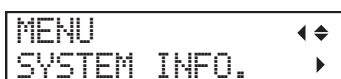
Windows 7

Click [OK] in the [Internet Protocol Version 4 (TCP/IPv4) Properties] dialog box, click [Close] in the [Local Area Connection Properties] dialog box, and then click [Close] in the [Local Area Connection Status] dialog box.

Step 2: Make the Network Settings on the Printer

1. Set the IP address.

- 1 Press [MENU].
- 2 Press [▼] several times to display the screen shown below.



- 3 Press [▶] once, and then press [▼] several times to display the screen shown below.

```
SYSTEM INFO.  ◀◆
NETWORK      ▶
```

- 4 Press [▶] three times to display the screen shown below.

```
IP ADDRESS   ◀◆▶
000.000.000.000↓
```

- 5 Press [▲] or [▼] to select the address number.

- 6 Press [▶].

- 7 Repeat steps 5 and 6 to set [IP ADDRESS] (192.168.000.XXX).

Here, "XXX" can be any number from 001 to 254. However, be sure to specify a number that is different from the setting you made in Step 1 and from the numbers used for other computers and devices.

For the part corresponding to "192.168.000," apply the same value as the setting of your computer.

Here, "192.168.000.003" is entered by way of example.

```
IP ADDRESS   ◀◆▶
192.168.000.003↓
```

- 8 When you have finished making the setting, press [ENTER].

- 9 Press [◀] to go back to the screen shown below.

```
NETWORK      ◀◆
IP ADDRESS   ▶
```

2. Set the subnet mask

- 1 Press [▼] to display the screen shown below.

```
NETWORK      ◀◆
SUBNET MASK  ▶
```

- 2 Press [▶] twice to display the screen shown below.

```
SUBNET MASK  ◀◆▶
000.000.000.000↓
```

- 3 Press [▲] or [▼] to select the address number.

- 4 Press [▶].

- 5 Repeat steps 3 and 4 to set [SUBNET MASK] to "255.255.255.000."

Note: For the subnet mask, make the setting the same value as the one used by the computer.

Here, "255.255.255.000" is entered by way of example.

```
SUBNET MASK  ◀◆▶
255.255.255.000↓
```

- 6 When you have finished making the setting, press [ENTER].
- 7 Press [◀] to go back to the screen shown below.

```
NETWORK      ◀◆
SUBNET MASK  ▶
```

If you are using the computer and the machine on a one-to-one basis, this completes the settings to make on the printer.

Press [MENU] to go back to the original screen. Then, proceed to P. 58 "Step 3: Make the Port Settings for the Software RIP".

If you need to set the gateway address, proceed to the following procedure.

3. Set the gateway address

- 1 Press [▼] to display the screen shown below.

```
NETWORK      ◀◆
GATEWAY ADDR. ▶
```

- 2 Press [▶] twice to display the screen shown below.

```
GATEWAY ADDR. ◀◆▶
000.000.000.000↓
```

- 3 Press [▲] or [▼] to select the address number.

- 4 Press [▶].

- 5 Repeat steps 3 and 4 to set [GATEWAY ADDR.] to "255.255.255.255."

For the value to enter for your gateway address, consult your network administrator. Here, "255.255.255.255" is entered by way of example.

```
GATEWAY ADDR. ◀◆▶
255.255.255.255↓
```

- 6 When you have finished making the setting, press [ENTER].

- 7 Press [MENU] to go back to the original screen.

Step 3: Make the Port Settings for the Software RIP

The settings for the software RIP will be made here. For settings information, refer to the documentation for the software RIP.

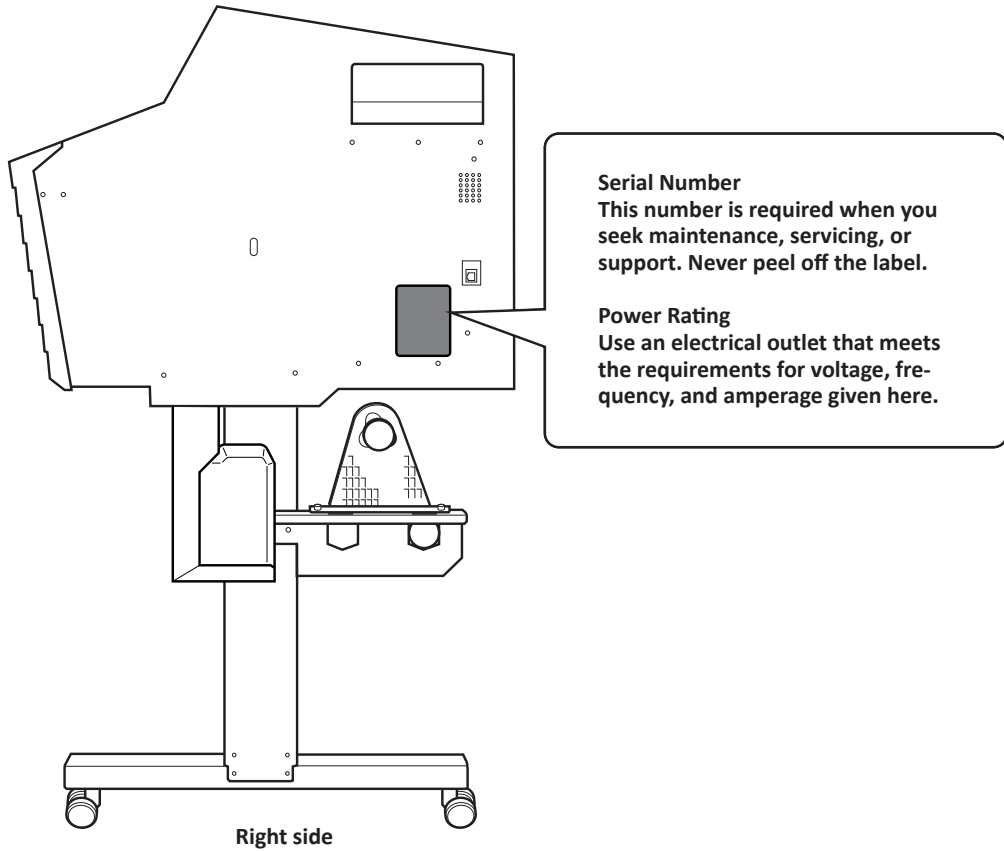
Confirming that a network connection has been established

Refer to the documentation for the software RIP you are using.

3. *Appendix*

Locations of the Power Rating and Serial Number Labels	60
Specifications Table	61

Locations of the Power Rating and Serial Number Labels



Specifications Table

		SG2-640	SG2-540	SG2-300
Printing method		Piezo ink-jet method		
Media	Width	315 to 1,625 mm (12.4 to 64 in.)	275 to 1,371 mm (10.8 to 54 in.)	182 to 762 mm (7.2 to 30 in.)
	Thickness	Max. 1.0 mm (39 mil) with liner, for printing Max. 0.4 mm (16 mil) with liner and 0.22 mm (9 mil) without liner, for cutting		
	Roll outer diameter	Max. 210 mm (8.3 in.)		
	Roll weight	Max. 40 kg (88 lb.)	Max. 30 kg (66 lb.)	Max. 25 kg (55 lb.)
	Core diameter (*1)	76.2 mm (3 in.) or 50.8 mm (2 in.)		
Printing/cutting width (*2)		Max. 1,600 mm (63 in.)	Max. 1,346 mm (53 in.)	Max. 736 mm (29 in.)
Ink	Type	TrueVIS INK 500 ml pouch		
	Colors	Four colors (cyan, magenta, yellow, and black)		
Printing resolution (dots per inch)		Max. 1,200 dpi		
Cutting speed		10 to 300 mm/s (0.4 to 11.8 in/s)		
Blade force (*3)		30 to 500 gf		
Blade	Type	Roland CAMM-1 series blade		
	Offset	0.000 to 1.500 mm (0.0 to 59.1 mil)		
Software resolution (when cutting)		0.025 mm/step (0.98 mil/step)		
Distance accuracy (when printing) (*4) (*5)		Error of less than $\pm 0.3\%$ of distance traveled or ± 0.3 mm (± 11.8 mil), whichever is greater		
Distance accuracy (when cutting) (*4)		Error of less than $\pm 0.4\%$ of distance traveled or ± 0.3 mm (± 11.8 mil), whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than $\pm 0.2\%$ of distance traveled or ± 0.1 mm (± 3.9 mil), whichever is greater		
Repeatability (when cutting) (*4) (*6)		± 0.1 mm (± 3.9 mil) or less		
Alignment accuracy for printing and cutting (*4) (*7)		± 0.5 mm (± 19.7 mil) or less		
Alignment accuracy for printing and cutting when reloading media (*4) (*8)		Error of less than $\pm 0.5\%$ of distance traveled, or ± 3 mm (± 0.2 in.), whichever is greater		
Media heating system (*9)		Print heater set temperature: 30 to 45°C (86 to 112°F) Dryer set temperature: 30 to 50°C (86 to 122°F)		
Connectivity		Ethernet (100BASE-TX/1000BASE-T, automatic switching)		
Power-saving function		Automatic sleep feature		
Power requirements		AC 100 to 120 V $\pm 10\%$, 8.0 A, 50/60 Hz or AC 220 to 240 V $\pm 10\%$, 4.1 A, 50/60 Hz		AC 100 to 120 V $\pm 10\%$, 5.4 A, 50/60 Hz or AC 220 to 240 V $\pm 10\%$, 2.7 A, 50/60 Hz
Power consumption	During operation	Approx. 1,090 W		Approx. 710 W
	Sleep mode	Approx. 40 W		
Acoustic noise level	During operation	63 dB (A) or less		
	During standby	53 dB (A) or less		
Dimensions (with stand)		2,945 (W) \times 730 (D) \times 1,310 (H) mm (116 [W] \times 28.8 [D] \times 51.6 [H] in.)	2,685 (W) \times 730 (D) \times 1,310 (H) mm (105.8 [W] \times 28.8 [D] \times 51.6 [H] in.)	2,070 (W) \times 730 (D) \times 1,310 (H) mm (81.5 [W] \times 28.8 [D] \times 51.6 [H] in.)

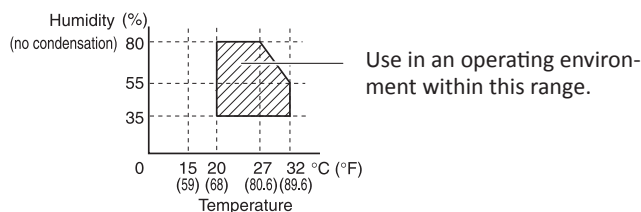
Specifications Table

		SG2-640	SG2-540	SG2-300
Weight (with stand)		197 kg (434 lb.)	180 kg (397 lb.)	147 kg (324 lb.)
Environment	During operation (*10)	Temperature: 20 to 32°C (68 to 90°F), humidity: 35 to 80%RH (no condensation)		
	Not operating	Temperature: 5 to 40°C (41 to 104°F), Humidity: 20 to 80%RH (no condensation)		
Included items		Dedicated stands, power cord, media holders, replacement blade for separating knife, manuals, etc.		

- *1 The media holders of this machine are designed to be used exclusively with media that has a paper tube (core) with an inner diameter of 3 inches. To use 2-inch media, the optional media flanges are required.
- *2 The length of printing or cutting is subject to the limitations of the program.
- *3
 - 500 gf is the maximum instantaneous blade force.
 - The blade force must be adjusted according to details such as the media thickness.
- *4
 - Media type: Media specified by Roland DG Corporation
 - Temperature: 25°C (77°F), humidity: 50%RH
 - Roll media must be loaded correctly.
 - Applicable when all pinch rollers that can be used with the media width are used.
 - Side margins: 25 mm (1.0 in.) or more for both the left and right margins
 - Excluding expansion/contraction of the media
 - Not assured when the print heater or dryer is used.
 - Assumes all correction and adjustment functions of the machine have been used properly.
- *5
 - Print travel: 1 m (39.4 in.)
- *6
 - [PREFEED] menu item must be set to "ENABLE."

Range for assured repetition accuracy

 - For media with a width exceeding 610 mm (24.0 in.): Length: 4,000 mm (157.5 in.)
 - For media with a width of 610 mm (24.0 in.) or less: Length: 8,000 mm (315.0 in.)
- *7
 - Provided that the media feed length is 3,000 mm (118.1 in.) or less
 - Excludes the effects of slanted movement and of expansion and contraction of the media
- *8
 - Data size:
64-inch model: 1,000 mm (39.4 in.) in the media-feed direction, 1,600 mm (63.0 in.) in the carriage-movement direction
54-inch model: 1,000 mm (39.4 in.) in the media-feed direction, 1,346 mm (53.0 in.) in the carriage-movement direction
30-inch model: 1,000 mm (39.4 in.) in the media-feed direction, 736 mm (29.0 in.) in the carriage-movement direction
 - No lamination
 - Automatic detection of crop marks at 4 points when media is reloaded
 - During cutting, [PREFEED] menu item must be set to "ENABLE."
 - Excluding possible shift caused by expansion/contraction of the media and/or by reloading the media.
- *9
 - Warm-up is required after power up. This may require 5 to 20 minutes, depending on the operating environment.
 - Depending on the ambient temperature and media width, the preset temperature may fail to be reached.
- *10
 - Operating environment



A series of horizontal dotted lines for writing.

MEMO

A series of horizontal dotted lines for writing.