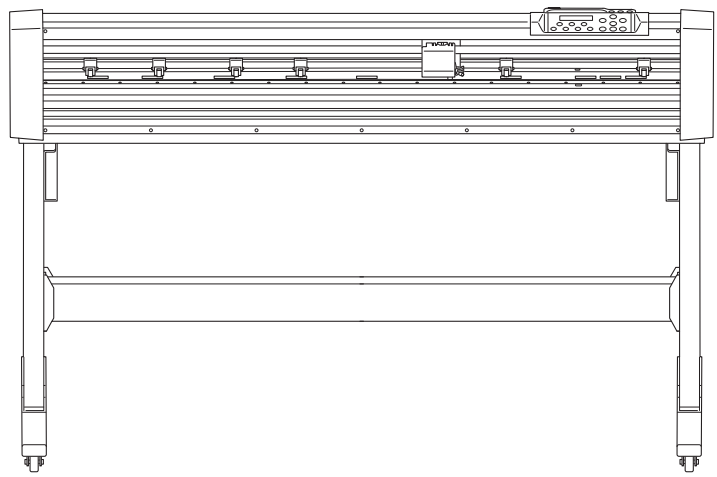
Roland

CAMM-1

GR2-640
GR2-540

Setup Guide



- Thank you very much for purchasing this product.
- To ensure correct and safe usage with a full understanding of this product's performance, please be sure to read through this manual completely 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

R6-240628TW

1000030277

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 :Cutting Machine

Model Name :GR2-640, GR2-540

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

CE

Manufacturer:

ROLAND DG CORPORATION

1-1-2 Shinmiyakoda, Hamana-ku, Hamamatsu-shi, Shizuoka-ken, 431-2103 JAPAN

The importer in the EU:

Roland DG EMEA N.V.

Bell Telephonelaan 2G, 2440 Geel, Belgium

For UK

UK CA

Manufacturer:

ROLAND DG CORPORATION

1-1-2 Shinmiyakoda, Hamana-ku, Hamamatsu-shi, Shizuoka-ken, 431-2103 JAPAN

The importer in the UK:

Roland DG (U.K.) Ltd.

Dominions House Lime Kiln Close, Stoke Gifford, Bristol, England, BS34 8SR, United Kingdom

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.

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This document is the setup guide for the GR2-640/540. This document uses the following notations to distinguish between the models where necessary.
GR2-640 — 64-inch model
GR2-540 — 54-inch model

Most of the figures in this document depict the GR2-640.

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http://www.rolanddg.com/

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.



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



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



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



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



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



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



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



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



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



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

To Ensure Safe Use

Improper handling or operation of this machine may result in injury or damage to property. Points that 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.

⚠ 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. Operating with 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, loose clothing, or gloves. 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.

⚠ This is a heavy machine.

⚠ WARNING

Be sure to lock the stand's casters.
If the machine should begin to topple, a major accident may result, including crushing of the parts of your body.

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 manual lifting of heavy media that taxes your strength may cause physical injury. Also, if dropped, such items may cause injury.

⚠ CAUTION

Unloading and emplacement are operations that must be performed by four persons or more.
Tasks that require undue effort when performed by a small number of persons may result in physical injury. Also, if dropped, such items may cause injury.

Install in a level and stable location.
Failure to do so may result in falling of the machine, leading to injury.

⚠ Danger of electrical short, electrical shock, 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 sparks, smoke, burning odors, unusual sounds, or abnormal operation occur, 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 Corporation dealer.

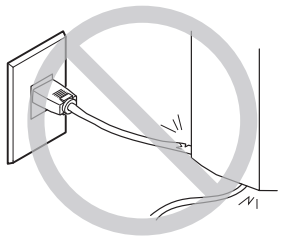
Do not use the supplied power cord for other products.

Never use the machine for any purpose for which it is not intended, or use the machine in an excessive manner that exceeds its capacity.
Doing so may result in injury or fire.

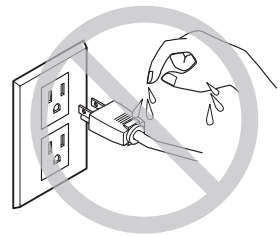
For accessories (optional and consumable items, power cord, and the like), use only genuine articles compatible with this machine.
Incompatible items may lead to an accident.

If the machine will not be used for a long period, disconnect the power cord.
This prevents an accident caused by unexpected electric leakage or unintentional start of the machine.

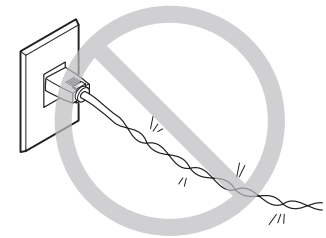
⚠ Important notes about the power cord, plug, and electrical outlet



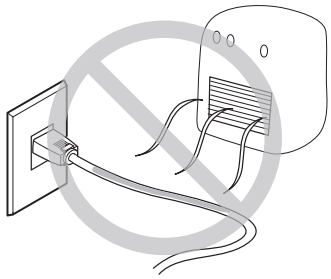
Never place any object on top or subject to damage.



Never allow to get wet.



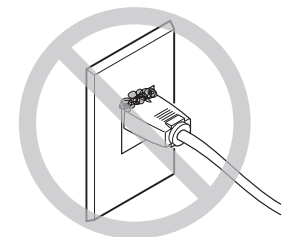
Never bend or twist with excessive force.



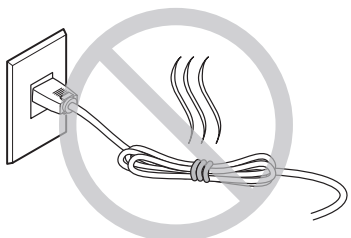
Never make hot.



Never pull with excessive force.



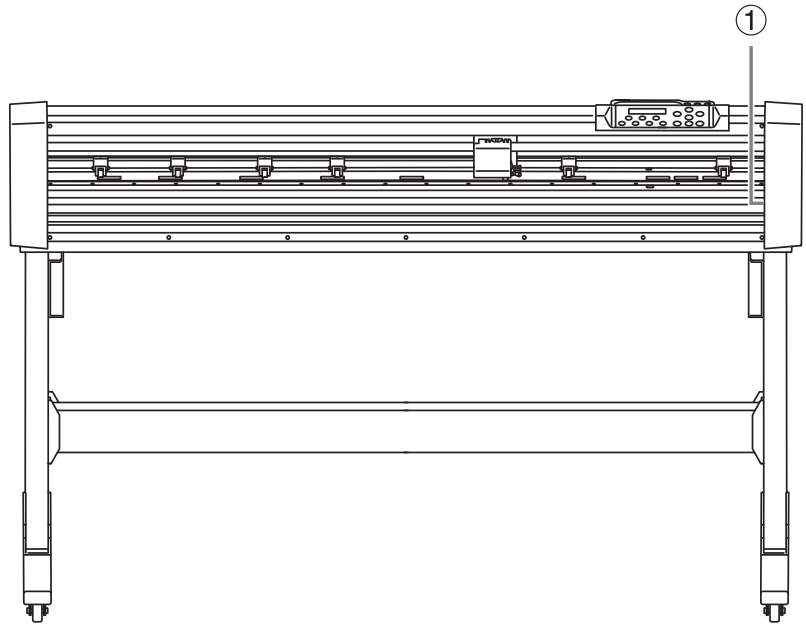
Dust may cause fire.



Never bundle, bind, or roll up.

⚠ Warning Label

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		**Caution: Moving Print Head Carriage** The cutting carriage is dangerous because it moves at high speed. Do not put your hands near it. **Caution: Entanglement Hazard** Never inadvertently allow hands, hair, clothing such as neckties, or the like near rotating parts while in operation.

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.

⚠ Incorrect operation may cause injury

⚠ 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 sansfaille. 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 odifier 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.

⚠ Cet appareil est lourd.

⚠ ATTENTION

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.

Lors de l'entreposage du support en rouleau, prendre les mesures de sécurité adéquates pour s'assurer que le rouleau ne roulera pas, ne tombera et ne basculera pas.
Il y a un danger de rester coincer sous le support 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.

⚠ PRUDENCE

Le déchargement et la mise en place doivent être faits par au moins deux personnes..
Les tâches qui exigent un effort trop grand si elles sont exécutées par un petit nombre de personnes peuvent être cause de blessures.
La chute d'articles très lourds peut aussi causer des blessures.

Installer l'appareil à un endroit stable et plat.
Installer l'appareil à un endroit inapproprié peut provoquer un accident grave comme le renversement ou la chute.

⚠ 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'infiltre 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.

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.

⚠ ATTENTION

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 Corporation autorisé..

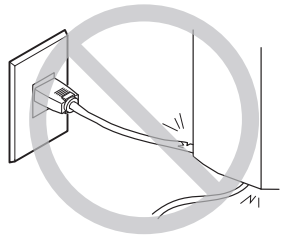
Ne pas utiliser le cordon électrique fourni avec d'autres produits.

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.

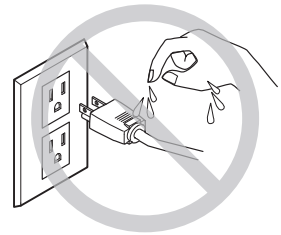
Utiliser uniquement des accessoires d'origine (accessoires en option, articles consommables, câble d'alimentation et autres articles semblables), compatibles avec l'appareil.
Les articles incompatibles risquent de causer des accidents.

Si l'appareil doit rester inutilisé pendant une longue période, débrancher le câble d'alimentation.
Cela peut prévenir les accidents en cas de fuite de courant ou de démarrage accidentel.

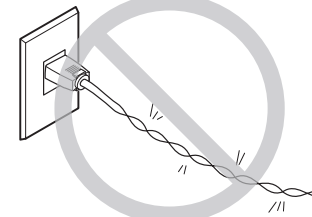
⚠ Remarques importantes à propos du câble d'alimentation, de la fiche et de la prise électrique



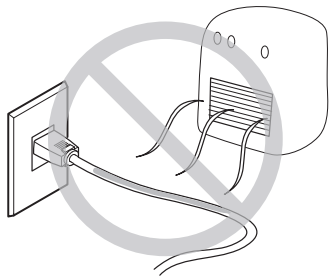
Ne jamais déposer aucun objet dessus au risque de les endommager.



Ne jamais laisser mouiller.



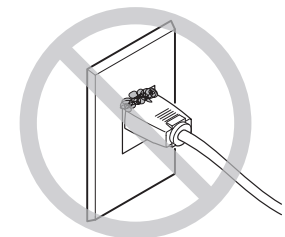
Ne jamais plier ni enrouler.



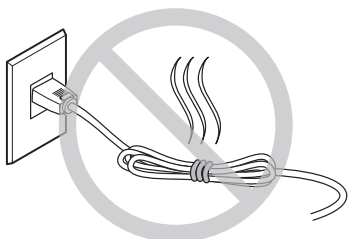
Ne jamais chauffer.



Ne jamais tirer avec une force excessive.



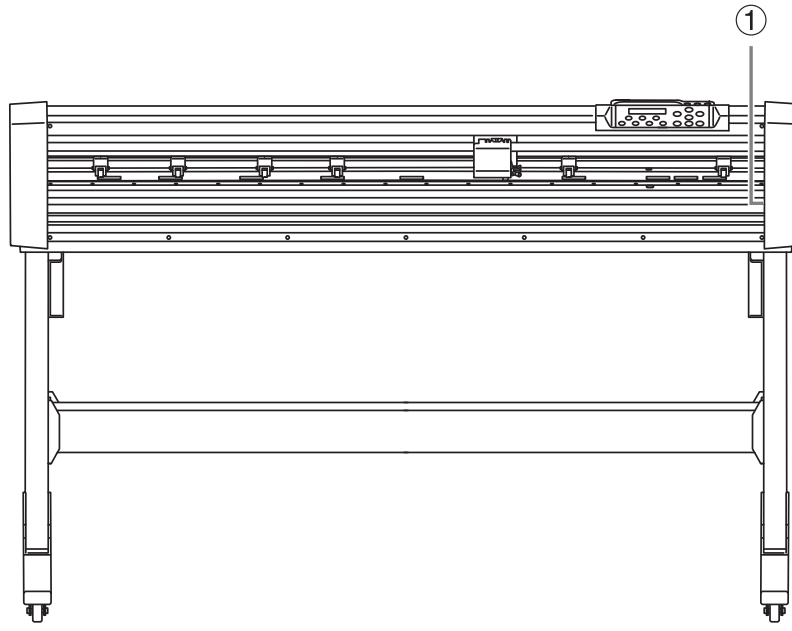
La poussière peut causer un incendie.



Ne jamais plier ni tordre avec une force excessive.

⚠ Etiquette d’avertissement

Une étiquette d’avertissement est apposée sur la machine, afin de signaler clairement les zones dangereuses immédiatement. La signification de cette étiquette est indiquée en dessous. Par conséquent, ne jamais enlever l’étiquette, ni la laisser devenir illisible.



①		**Attention : Chariot mobile** Le chariot de coupe se déplace très rapidement et peut être dangereux. Tenir les mains loin du chariot. **Attention : Danger d’emmêlement** Toujours éloigner les mains, les cheveux, les vêtements ou des accessoires comme des cravates des pièces tournantes pendant que l’appareil fonctionne.

1. Introduction

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About the User's Manuals for This Machine 16
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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 document)**
  This manual contains details on how to install the machine and how to configure its initial settings.

Electronic-format Manual

- **Installation Guide**
  This guide contains instructions about work that must be carried out before using the machine such as downloading and installing software.

- **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://downloadcenter.rolanddg.com/GR2-640

* You can also view and download the paper manuals.

* You can also view this website from a smartphone.

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 in a level and stable location.**
Failure to do so may result in falling of the machine, leading to injury.

⚠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 could occur.

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

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

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 exposed to extremely bright light
- 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

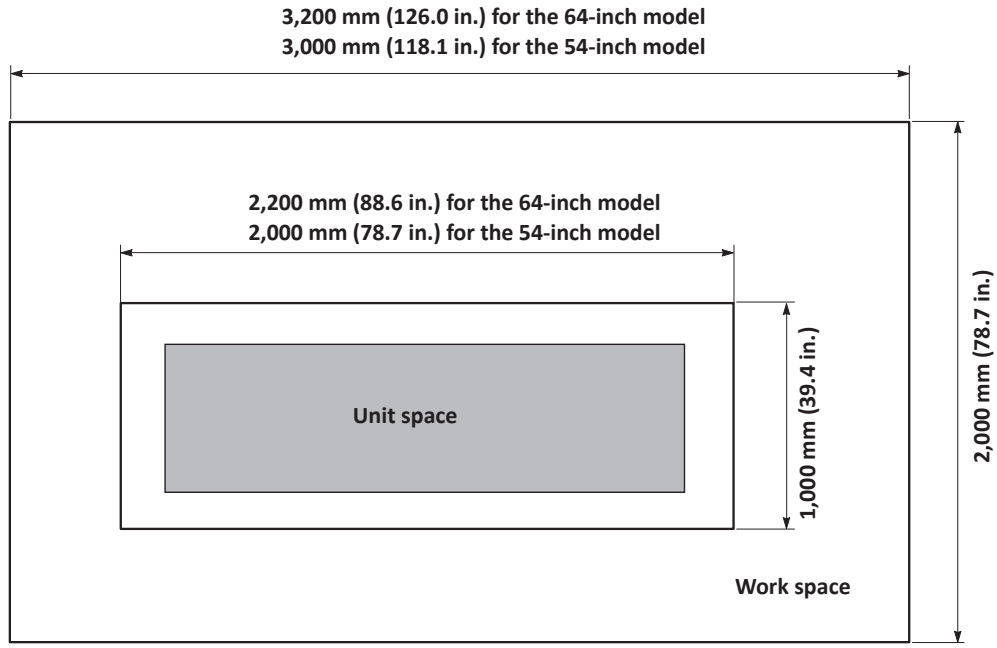
Temperature and Humidity

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

- **Temperature: 15 to 30°C (59 to 86°F)**
- **Humidity: 25 to 75%RH (no condensation)**

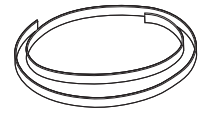
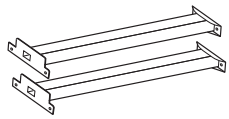
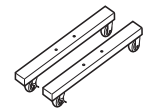
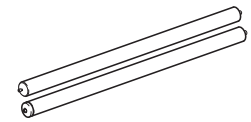
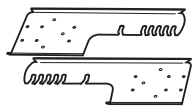
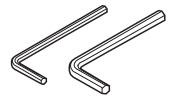
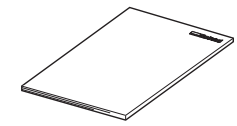
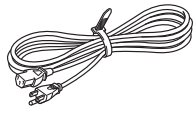
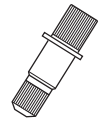
Installation Space

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



2. Included Items

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

 Ethernet cable (5 m [196.9 in.]; 1)	 USB cable (2.5 m [98.4 in.]; 1)	 Cutting pad (1)	 Roll holder flanges (2)
 Vertical stands (2)	 Stand beam (1)	 Bottom stands with wheels or cushions (2)	 Roll holders (2)
 Left and right roll holder supports (1 each)	 Roll holder guide bushes (4)	 Cable tie (1)	 Safe blade (1)
 M6 bolts* (22)	 Hexagonal wrench (large) (1) Hexagonal wrench (small) (1)	 Tweezers (1)	 Setup Guide (this document; 1)
Items not included			
 Power cord (1)	 Blade holder (1)	 Blade (1)	 Pin (1)

* There are 2 spare bolts included with the 20 bolts used to assemble the stand and the machine.

2. Installation

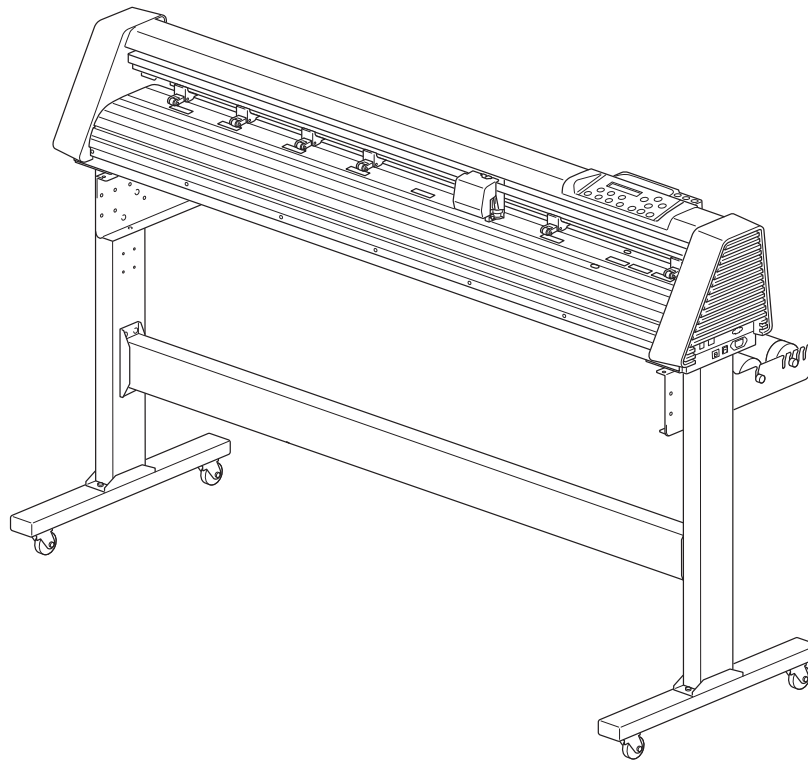
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1. Assembly

Checks before Operations

⚠CAUTION **Unloading and placement are operations that must be performed by four persons or more.**
Tasks that require undue effort when performed by a small number of persons may result in physical injury. Also, if dropped, such items may cause injury.

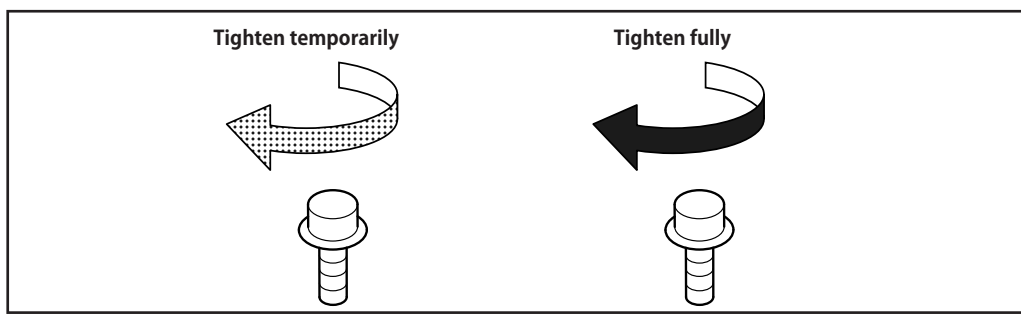
Completed Drawing



Necessary Tools (Included Items)

- Hexagonal wrench (large): For installing the Roll holders
- Hexagonal wrench (small): For assembling the machine and stand

How to View Pictures

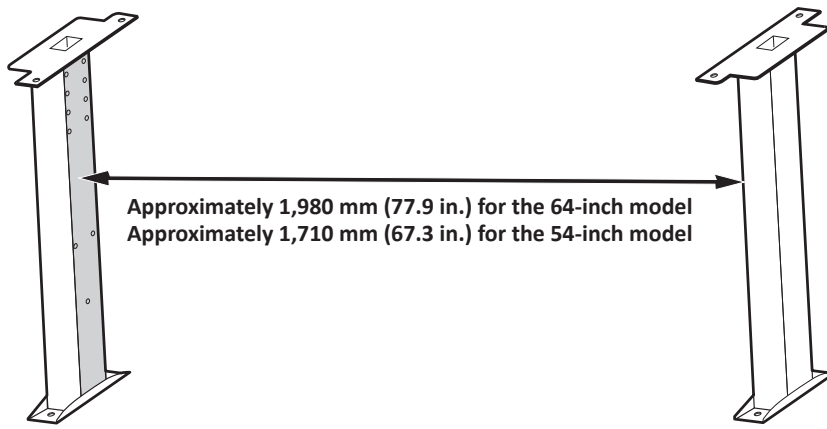


Step 1: Assembling the Stand

Procedure

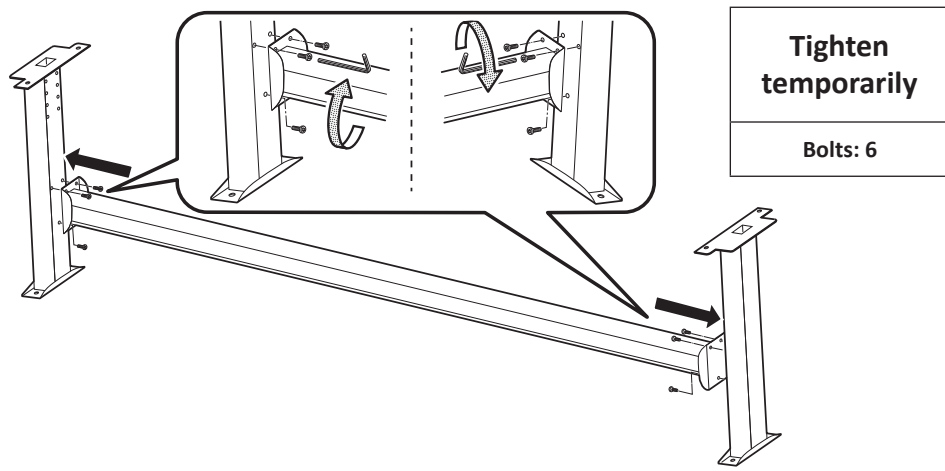
1 Position the vertical stands parallel to each other and separated by approximately 1,980 mm (77.9 in.) for the 64-inch model or approximately 1,710 mm (67.3 in.) for the 54-inch model.

Face the bolt-attaching surface of the vertical stands to the inside.



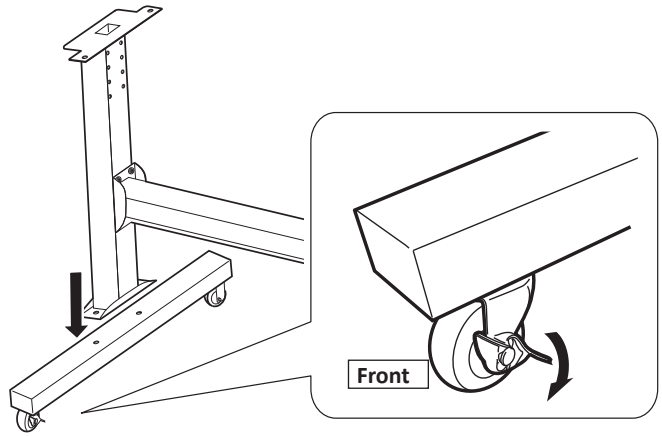
2 Attach the stand beam to the vertical stands.

Temporarily tighten the bolts in the three locations on the left and right. The stand beam has no particular front and rear orientation.



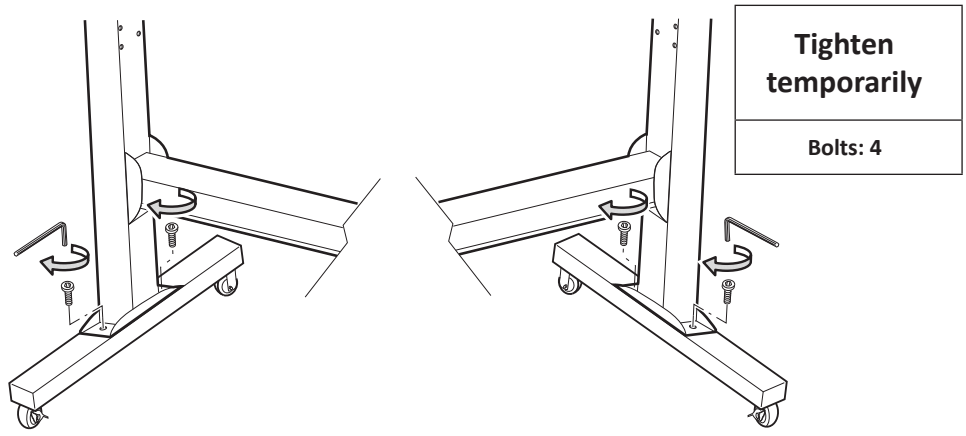
3 **Lock the caster on each bottom stand with wheels or cushions and place the vertical stands on them.**

Position each bottom stand with wheels or cushions so the caster with a brake is in front.



4 **Attach the vertical stands to the bottom stands with wheels or cushions.**

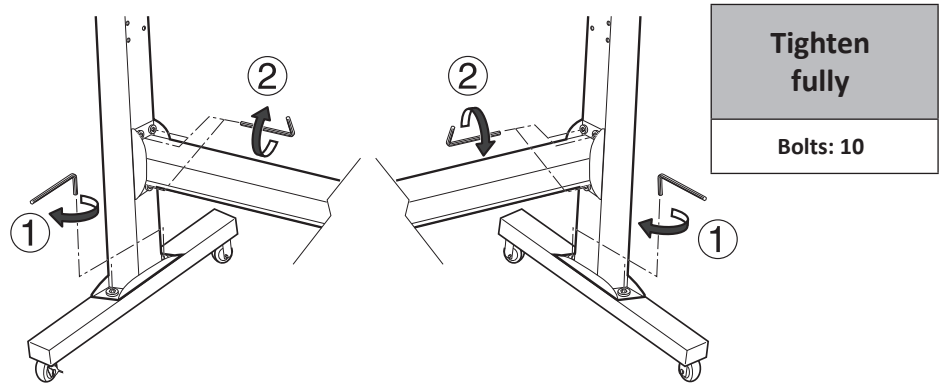
Temporarily tighten the bolts in the two locations on the left and right.



Tighten temporarily
Bolts: 4

5 **Fully tighten all the bolts.**

Tighten the bolts evenly on the left and right in the order of ①②



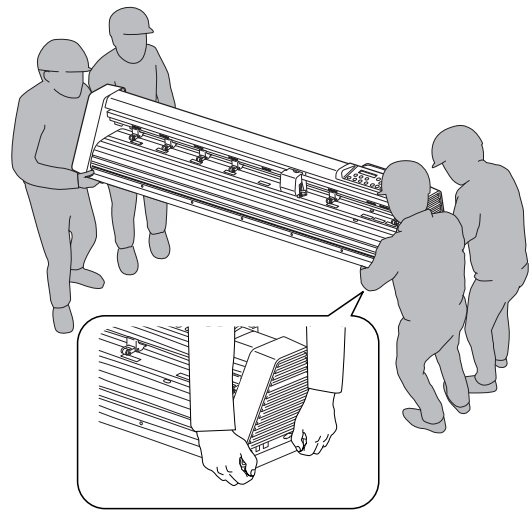
Tighten fully
Bolts: 10

Step 2: Assembling the Machine and the Stand

Procedure

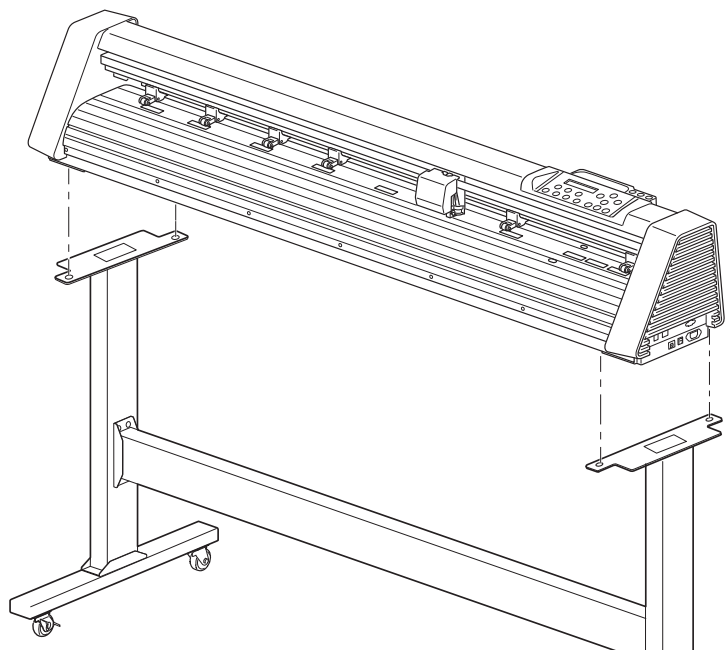
MEMO

When lifting the machine, support it from the bottom with both hands.

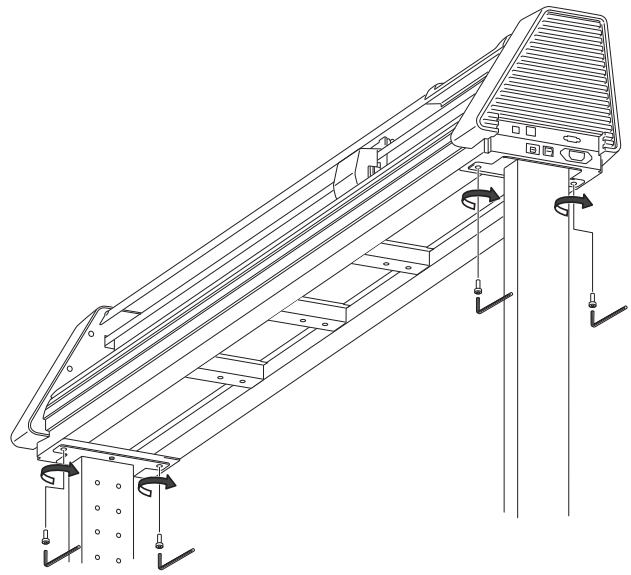


1 Place the machine on the stand so the bolt holes are aligned.

Exercise caution to prevent your hands supporting the machine from being pinched.



2 **Use bolts to secure the machine to the stand.**



Tighten fully
Bolts: 4

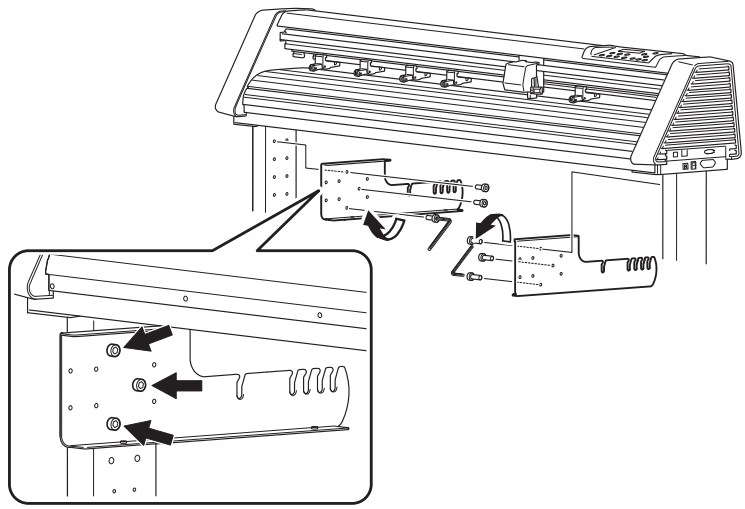
Step 3: Installing the Roll Holders

Procedure

1 **Attach the roll holder supports to the vertical stands.**

① **Check the positions to secure the roll holder supports and temporarily tighten the bolts in the three locations on the left and right.**

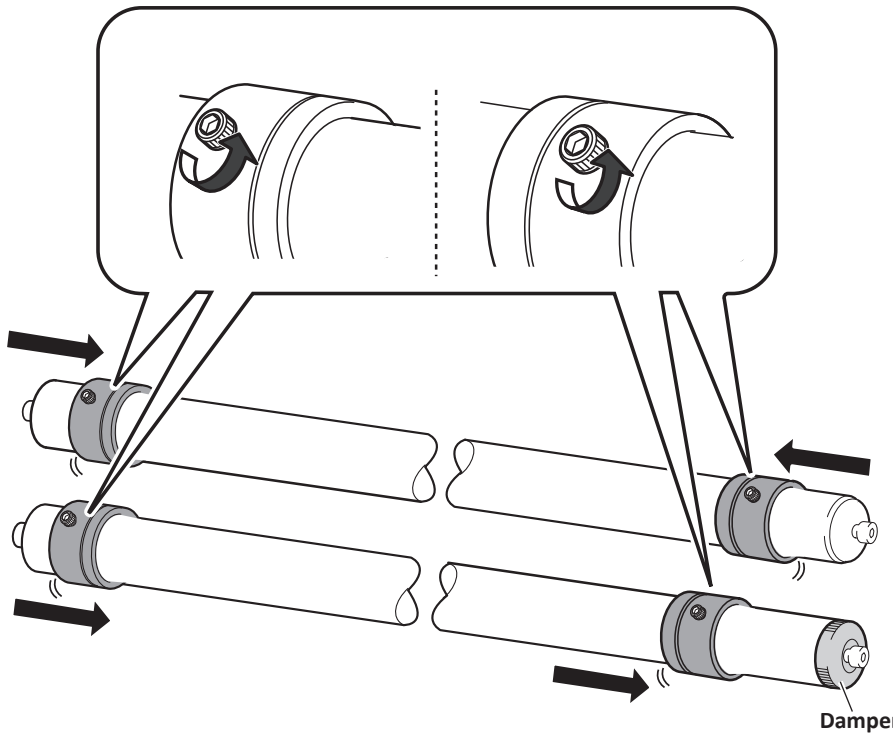
② **Fully tighten all the temporarily tightened bolts.**



Tighten fully
Bolts: 6

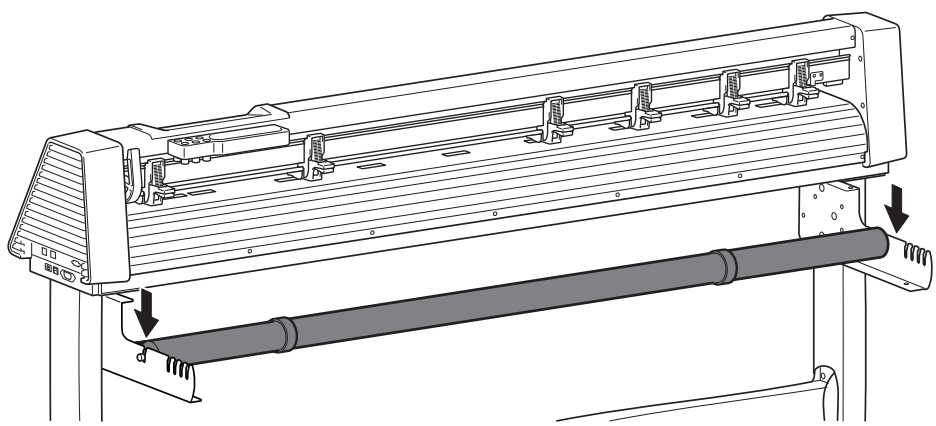
2 Loosen the resin bolts and attach the roll holder guide bushes to the roll holders.

Face the grooves on the roll holder guide bushes to the center and insert these bushes onto the roll holders. For the roll holder with a (white) damper, insert the bushes from the damper-less end.

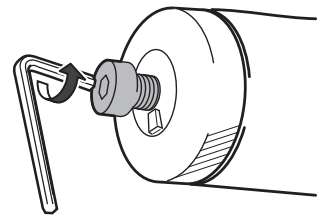


3 Attach the roll holders to the roll holder supports.

① **Insert the damper-less roll holder into the notches close to the machine on the roll holder supports.**



② **Use the hexagonal wrench (large) to rotate the damper screw three times in the direction of the arrow.**

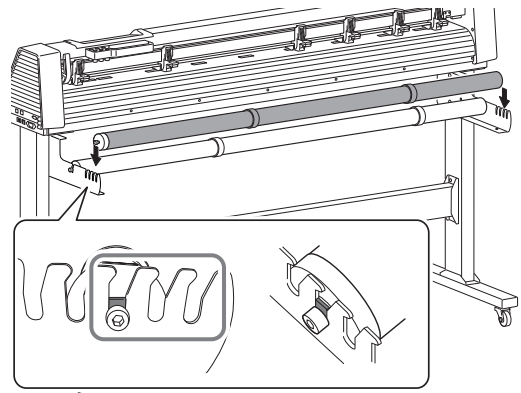


③ **Insert the damper-equipped roll holder into the front notches on the roll holder supports (up to the third set of notches can be used) with the damper on the left side as seen from behind the machine.**

Position the protrusion on the damper above the screw, and then insert the screw and protrusion into the notch on the roll holder support. Firmly press the protrusion into the notch on the roll holder support. The roll holder cannot be installed correctly if the protrusion and screw positions are reversed.

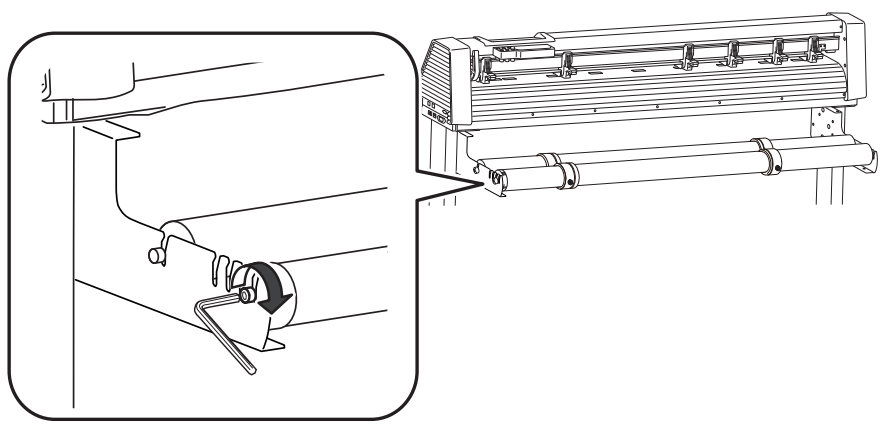
MEMO

You can select the insertion position of the damper-equipped roll holder to match the roll material to use.



④ **Use the hexagonal wrench (large) to tighten the damper screw in the direction of the arrow.**

Tighten the screw until it is firmly secured on the roll holder support.



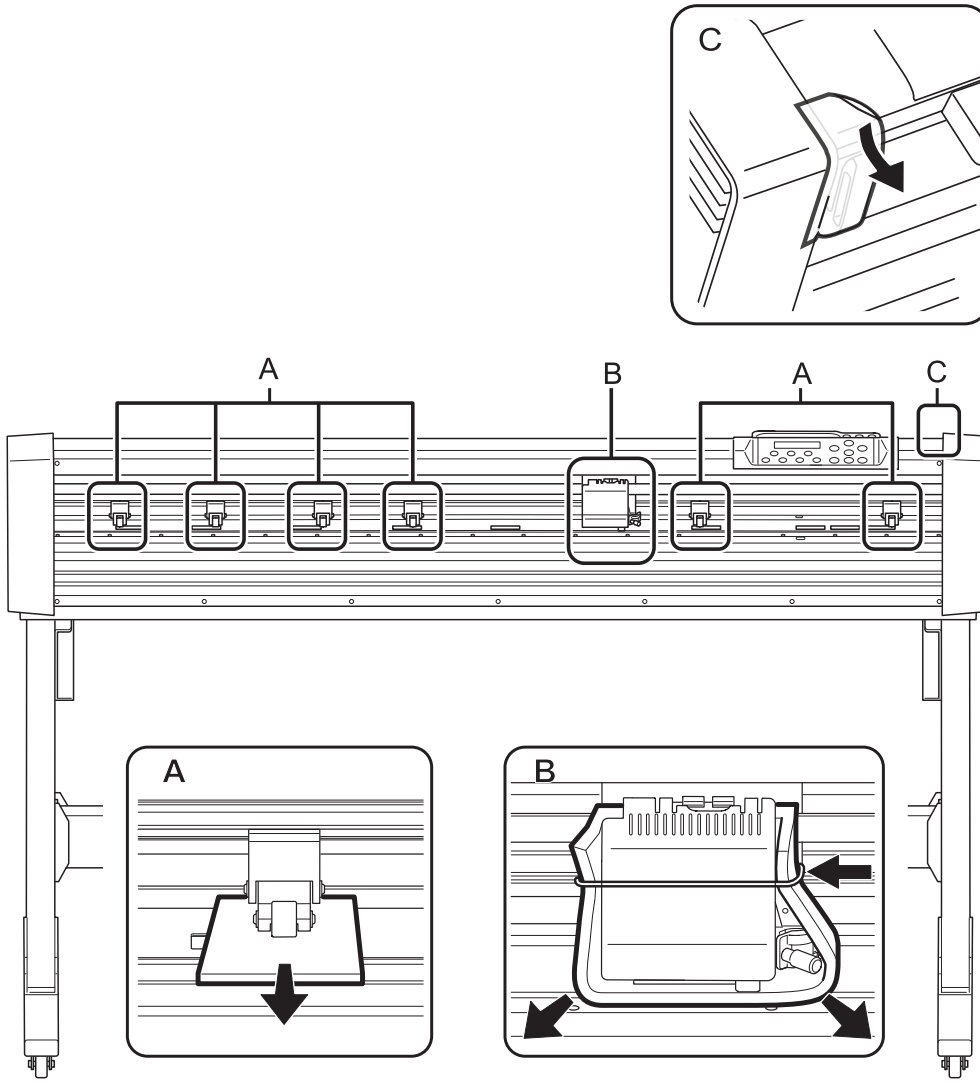
Step 4: Removing the Retainers

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.

MEMO

There is no need to store the tape (C) securing the lever.



Step 5: Connecting the Power Cord

Procedure

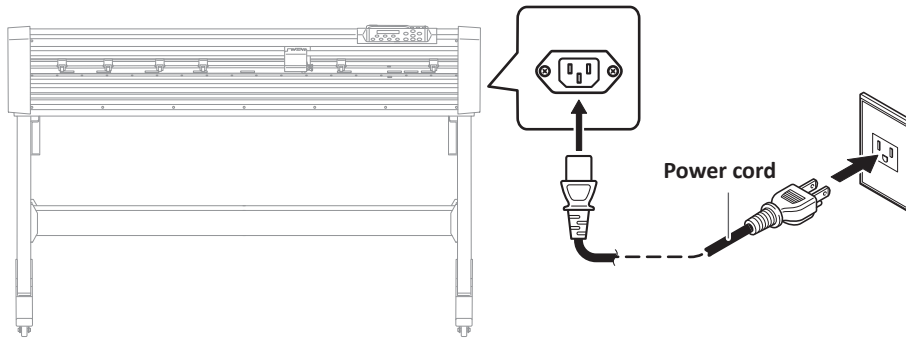
Connect the power cord and the cables.

⚠WARNING **Perform this task with all power switches left switched off.**
Sudden movement of the machine may cause injury.

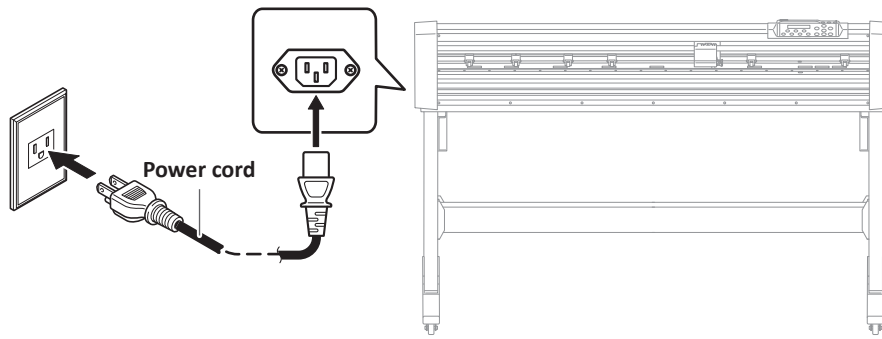
⚠WARNING **Connect to an electrical outlet that complies with this machine's ratings (for voltage, frequency, and current).**
Incorrect voltage or insufficient current may cause fire or electrical shock.

⚠WARNING **Connect the machine to ground.**
This can prevent fire or electrical shock due to current leakage in the event of malfunction.

GR2-640



GR2-540

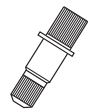


2. Installing the Cutting Tool

⚠CAUTION **Be sure to perform operations as specified by the instructions, and never touch any area not specified in the instructions.**
Sudden movement of the machine may cause 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.

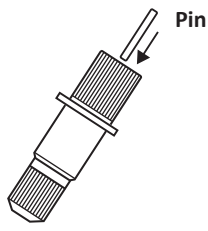
Step 1: Assembling the Cutting Tool

Required items		
 Blade holder	 Blade	 Pin

Procedure

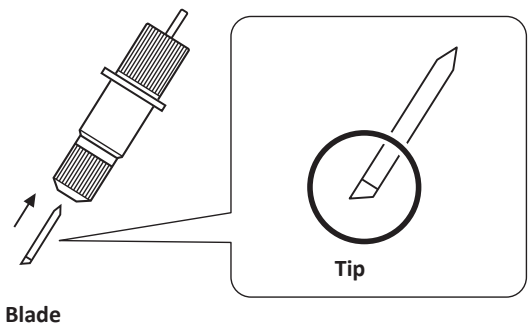
1 **Insert the pin.**

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.**

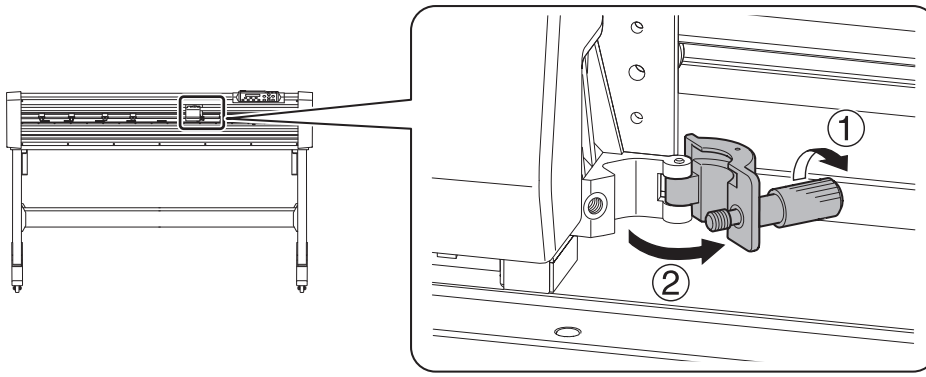
Insert the blade into the hole.



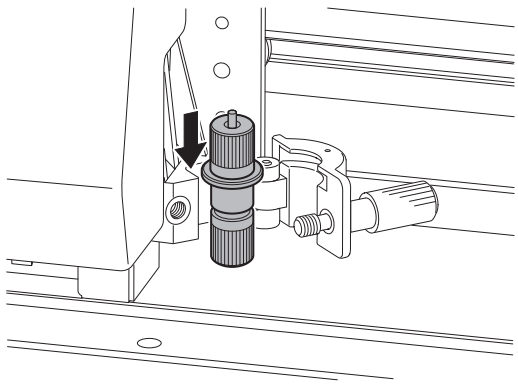
Step 2: Installing the Cutting Tool

Procedure

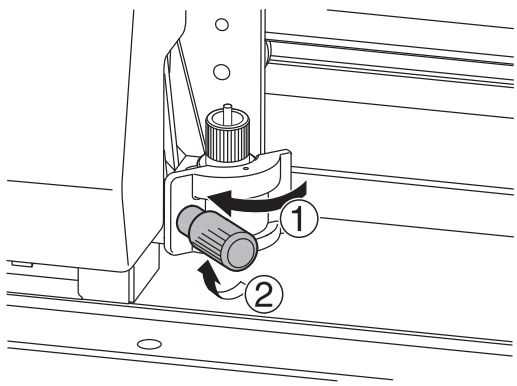
1 **Loosen the cutting carriage screw.**



2 **Install the cutting tool in the cutting carriage.**



3 **Tighten the screw.**

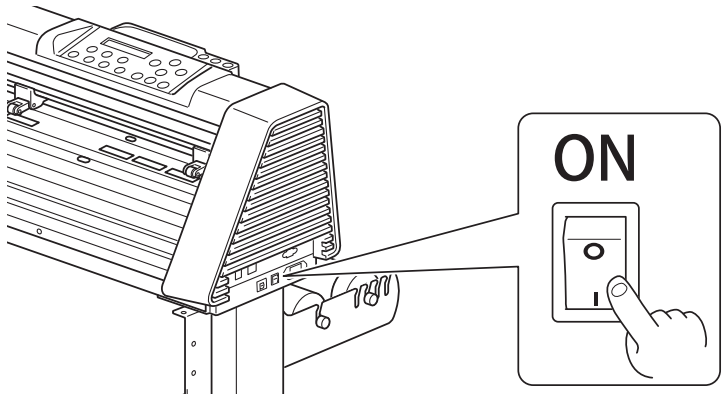


3. Preparations before Use

Setting the Display Language

Procedure

1. **Switch on the power.**



2. **Press [MISC] on the operation panel.**

3. **Press [►] several times to display the screen shown below.**

```
Select LanGuaGe
Select:◆▸   Ok:ENTER
```

4. **Press [ENTER].**

5. **Press [▲] or [▼] to select the language you want.**

6. **Press [ENTER] to confirm your entry.**

7. **Switch off the power.**

Confirming System Requirements

The computer requirements for setting up the machine (installing the driver and the software) are shown below.

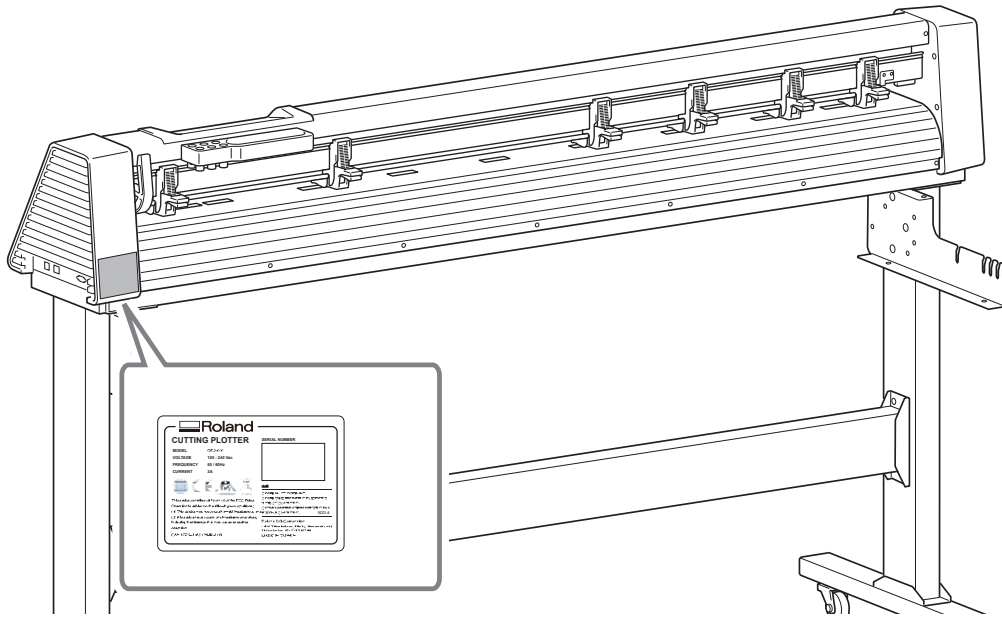
Operating system (OS)	Windows 11 (64-bit), 10 (64-bit)
Processor	Intel® Core 2 Duo or later (Core i5 or later recommended)
Memory (RAM)	1 GB or more (2 GB or more recommended)
Video card and monitor	Resolution of 1,280 × 1,024 or more recommended
Hard disk	100 MB or more free space recommended
Other requirements	Internet connectivity and web browser Ethernet port, USB 2.0 port

3. Appendix

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Location of the Power Rating and Serial Number Label

The serial number is required when you seek maintenance, servicing, or support. Never remove the label. Also, use an electrical outlet that meets the requirements for voltage, frequency, and amperage given on the label.



Serial number
This number is required when you seek maintenance, servicing, or support. Never peel off the label.

Power rating
Use an electrical outlet that meets the requirements for voltage, frequency, and amperage given here.

Specifications

		GR2-640	GR2-540
Drive system		Digital control servo motor	
Cutting mechanism		Media-moving method	
Acceptable material size (*1)(*2)	**Width**	50 to 1,782 mm (1.97 to 70.1 in.)	50 to 1,594 mm (1.97 to 62.7 in.)
	Thickness	Thickness including backing paper is 0.8 mm (31.4 mil.) or less	
	Roll weight	24 kg (52.9 lb.)	20 kg (44.1 lb.)
Maximum cutting area (width x length)		1,627 mm (64 in.) × 50,000 mm (1,968 in.)	1,372 mm (54 in.) × 50,000 mm (1,968 in.)
Usable tools		CAMM-1 series blade (including blades for flatbed use)	
Cutting speed		30 to 1,530 mm/s (1.19 to 60 in./s)	
Blade force		5~600 gf	
Mechanical resolution		0.006 mm/step (0.236 mil./step)	
Software resolution		0.025 mm/step (0.98 mil./step)	
Distance accuracy (*3)		Error of less than ±0.1% of distance traveled or 0.254 mm (10 mil.) , whichever is greater	
Repeatability (*3) (*4)		0.1 mm (3.94 mil.) or less	
Connectivity		Ethernet (automatic switching between 10BASE-T and 100BASE-TX) USB 2.0 (FULL SPEED compliant) RS-232C	
Replot memory		32 MB	
Command system		HP-GL, HP-GL/2 compliant	
Power requirements		AC 100 to 240 V ± 10%, 50/60 Hz	
Power consumption		Approx. 110 W	
Acoustic noise level	**During operation**	56 dB (A) or less	
	During standby	40 dB (A) or less	
Dimensions (Width x Depth x Height)		1,982 mm × 756 mm × 1,127 mm (78.1 in × 30 in × 44.4 in.)	1,711 mm × 651 mm × 1,111 mm (68 in × 25.7 in × 44 in.)
Weight		69 kg (153 lb.)	60 kg (133 lb.)
Packaging dimensions		2,200 mm × 395 mm × 880 mm (87 in × 15.6 in × 34.7 in.)	2,040 mm × 395 mm × 850 mm (81 in × 15.6 in × 33.5 in.)
Packaging weight		97 kg (214 lb.)	85 kg (188 lb.)
Environment		Temperature: 15 to 30°C (59 to 86°F), humidity: 25 to 75%RH (no condensation)	
Accessories		USB cable, cutting pad, safe blade, dedicated stand, Tweezers, user's manual, etc.	

*1 Depending upon the type, material that is 500 mm (19.6 in.) or longer may shift during cutting.

*2 You may also be unable to cut some types of material.

*3 According to material and cutting conditions as specified by Roland DG Corporation.

*4 Excluding expansion/contraction of the material.