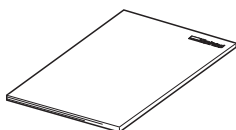
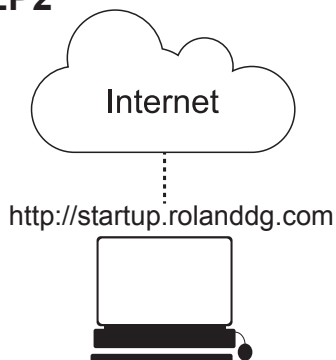
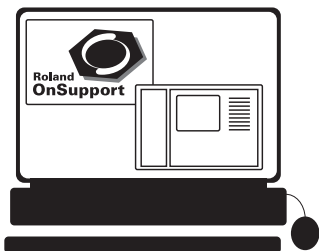


GR-640/GR-540/GR-420**Installation Guide****What you need to read before using the machine****STEP1****Installation Guide (this document)**

This manual contains information on handling precautions, installation instructions, and preparations before use. This manual must be read first.

STEP2**Startup Guide (web page)**

This is an online manual that must be read after this guide. It contains instructions about work that must be carried out before using the machine such as downloading and installing software and the User's Manual.

What you need to read when using the machine**User's Manual (electronic-format manual)**

This manual explains the process from setting material to creating output data, output methods, and more. Download the manual from the internet according to the instructions on the aforementioned "Startup Guide (web page)."

Manual for included software "CutStudio"

The manual for the software used to create output data for the machine, "CutStudio," is incorporated in the Help files.

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 out cord immediately.

For the USA**FEDERAL COMMUNICATIONS COMMISSION
RADIO FREQUENCY INTERFERENCE
STATEMENT****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.

Unauthorized changes or modification to this system can void the users authority to operate this 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 contains chemicals known to cause cancer, birth defects and other reproductive harm.

For EU Countries**WARNING**

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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 EMEA, S.L.

Parc Tecnologic del Valles C/ Ceramistes, 6 08290 Cerdanyola del Valles / Barcelona Spain

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.
- The operation manual and the product have been prepared and tested as much as possible. If you find any misprints or errors, please inform us.
- Roland DG Corp. 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 Corp. assumes no responsibility for any direct or indirect loss or damage that may occur with respect to any article made using this product.

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Roland DG Corp. has licensed the MMP technology from the TPL Group.

This document is the installation guide for the GR-640/540/420. This document uses the following notations to distinguish between the models where necessary.

GR-640 — 64-inch model

GR-540 — 54-inch model

GR-420 — 42-inch model

Also, most of the figures in this document depict the GR-640.

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<http://www.rolanddg.com/>

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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 of  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 electrocution."
	The [image] 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



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.



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 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.



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.



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.



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.



WARNING



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.



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.



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.



This is a heavy machine.



WARNING



Install in a level and stable location.

Failure to do so may result in falling of the machine, leading to injury.



Unloading and emplacement are operations that must be performed by 4 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.



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.



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.

**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.



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 Corp. dealer.



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.

**WARNING**

When using an extension cord or power strip, use one that adequately satisfies the machine's ratings (for voltage, frequency, and current).

Use of multiple electrical loads on a single electrical outlet or of a lengthy extension cord may cause fire.



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.



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.



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.



Do not use the supplied power cord for other products.



If the machine will not be used for a long period, disconnect the power cord.

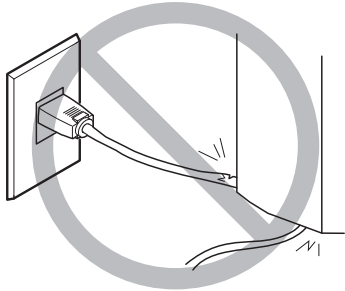
This prevents an accident caused by unexpected electric leakage or unintentional start of the machine.



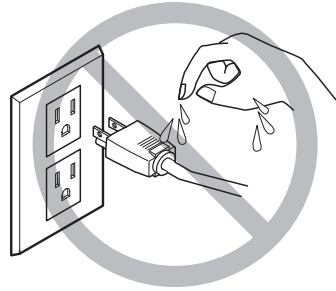
Connect to ground.

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

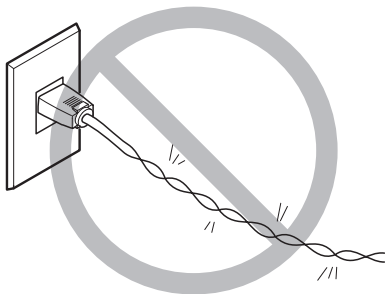
 Important notes about the power cord, plug, and electrical outlet



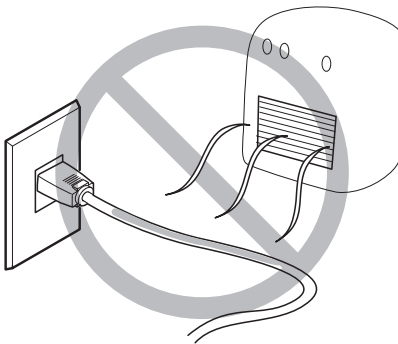
Never place any object on top or subject to damage.



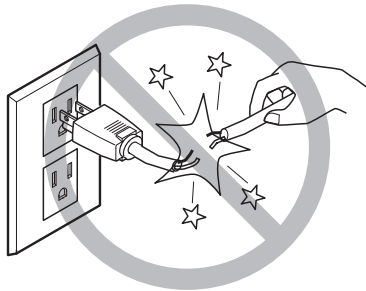
Never allow to get wet.



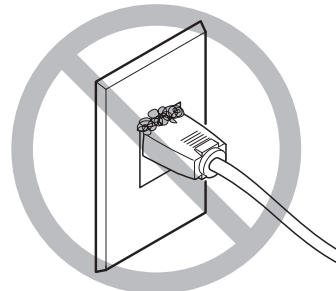
Never bend or twist with excessive force.



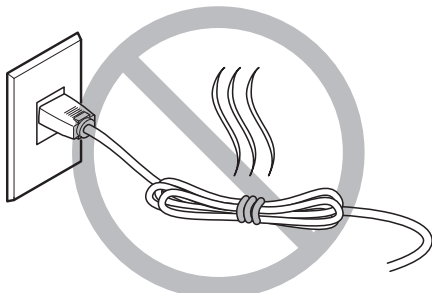
Never make hot.



Never pull with excessive force.



Dust may cause fire.



Never bundle, bind, or roll up.



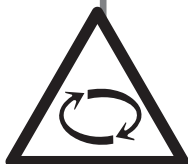
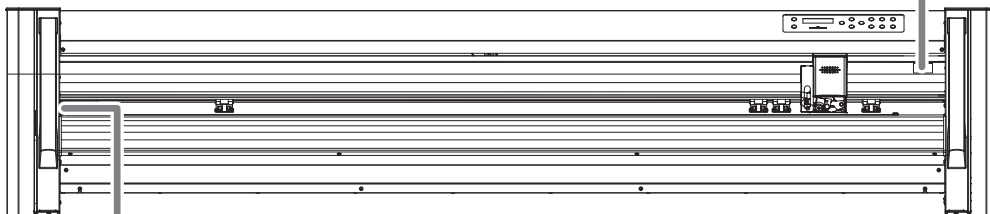
Warning Labels

Warning labels are affixed to make areas of danger immediately clear. The meanings of these labels are as follows. Be sure to heed their warnings.



Caution: Moving Print Head Carriage

The cutting carriage is dangerous because it moves at high speed. Do not put 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.

Avis sur les avertissements

 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 triangle. 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. La chose spécifique à ne pas faire est indiquée par le dessin à l'intérieur du cercle. Le symbole à gauche signifie que l'appareil ne doit jamais être démonté.
	Le symbole  prévient l'utilisateur sur ce qu'il doit faire. La chose spécifique à faire est indiquée par le dessin à l'intérieur du cercle. Le symbole à gauche signifie que le fil électrique doit être débranché de la prise.



L'utilisation incorrecte peut causer des blessures



ATTENTION



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.



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 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.



S'assurer de suivre les procédures d'utilisation décrites dans le manuel. 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.



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.



ATTENTION



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.



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.



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.



Cet appareil est lourd.



PRUDENCE



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.



Le déchargement et la mise en place doivent être faits par au moins quatre 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.



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



S'assurer de verrouiller les roulettes de la base.

Si éventuellement l'appareil commencerait à basculer, il pourrait provoquer un accident important, notamment écraser des parties de votre 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.



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.



S'il se produit des étincelles, de la fumée, une odeur de brûlé, des bruits inhabituels 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 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.



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.



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.



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.



Ne jamais utiliser l'appareil à des fins autres que celles pour lesquelles il est conçu. Ne jamais l'utiliser de manière abusive ou excessive.

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



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



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.

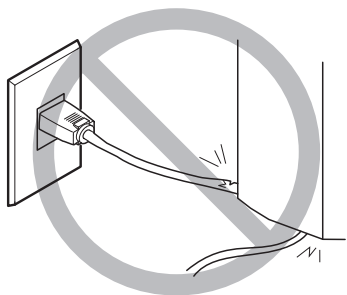


Mise à la terre.

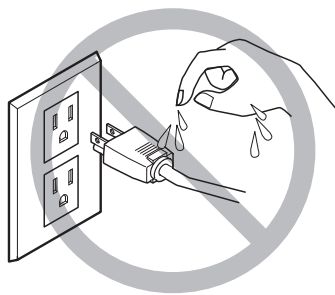
La mise à la terre peut prévenir un incendie ou un choc électrique dus à une fuite de courant en cas de défaillance.



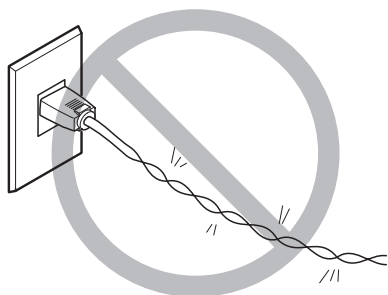
Remarques importantes à propos du câble d'alimentation, de la fiche et de la prise électrique



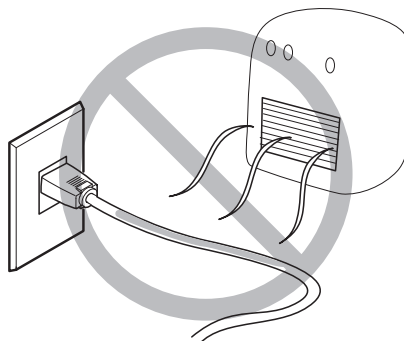
Ne jamais déposer aucun objet sur le câble, sur la fiche ou sur la prise car cela risque de les endommager.



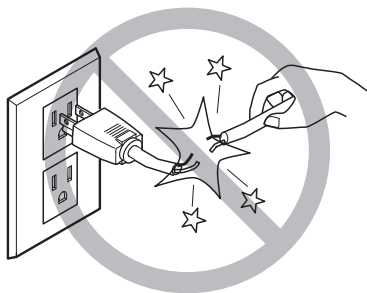
Ne jamais laisser l'eau toucher le câble, la fiche ou la prise.



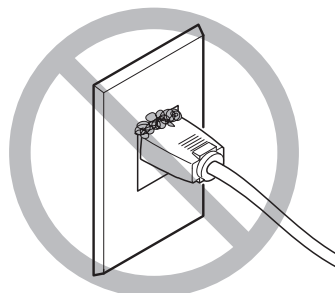
Ne jamais plier ni tordre le câble avec une force excessive.



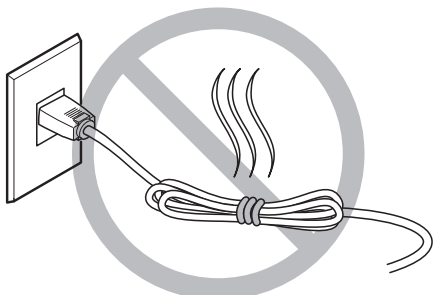
Ne jamais chauffer le câble, la fiche ou la prise.



Ne jamais tirer sur le câble ou la fiche avec une force excessive.



La poussière peut causer un incendie.



Ne jamais plier ni enrouler le câble.



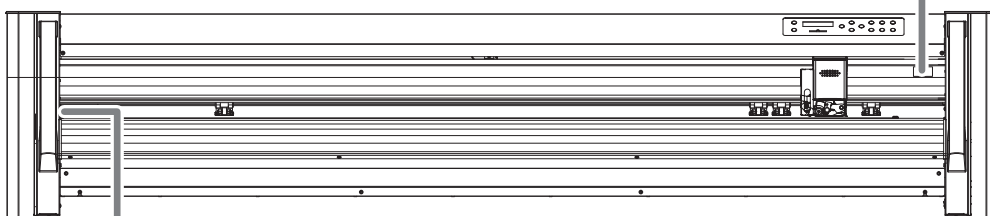
Étiquette d'avertissement

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.



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. Installation Environment

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 level and stable location.

Installation in an unsuitable location may cause the machine to fall or tip over.

⚠ 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.

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

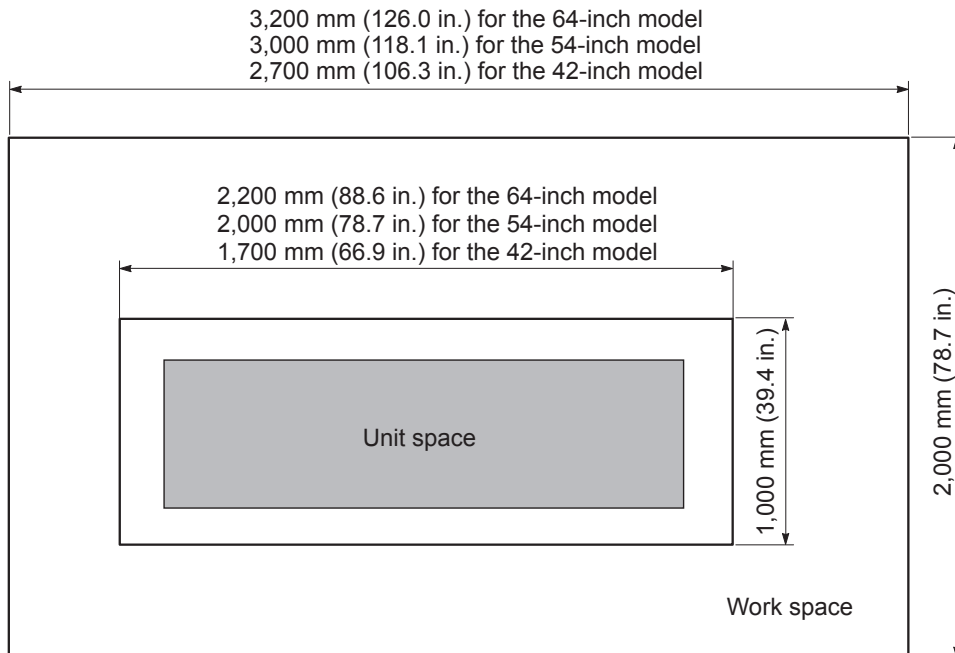
Temperature and Humidity

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

Temperature: 5 to 40°C (41 to 104°F), humidity: 35 to 80%RH (no condensation)

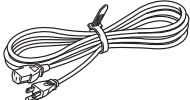
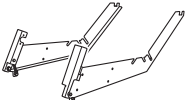
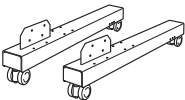
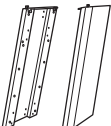
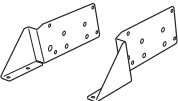
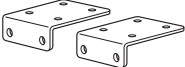
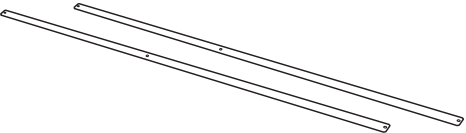
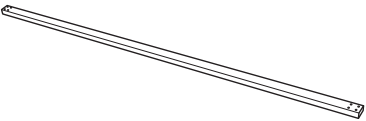
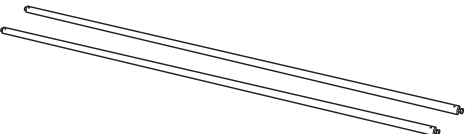
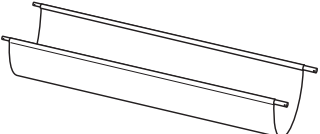
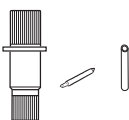
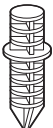
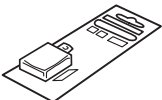
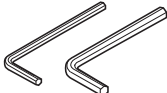
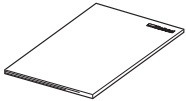
Installation Space

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.

			
Power cord (1)	USB cable (1)	Cable clamp (1)	Arms (1 each for right and left)
			
Casters (2)	Stand legs (1 each for right and left)	Stand leg fixing plates (1 each for right and left)	Stand stay fixing plates (2)
			
Stand stays (upper; 2)	Stand stay (lower; 1)		
			
Shafts (2)	Sheet basket (1)		
			
Blade holder/ Blade/Pin (1 each)	Alignment tool (1)	Replacement blade for separating knife (1)	M5 bolts (36) M6 bolts (17)
			
M3 screws (4) M4 screw (1)	Nut (1)	Sheet basket fixing plates (2)	M5 hexagonal wrench (1) M6 hexagonal wrench (1)
			
Collars (2)* Roller stopper (1)	Resin bolts (2)	Stoppers (2)	Installation Guide (this document; 1)

* One is made of brass and the other is made of rubber.

3. Assembly

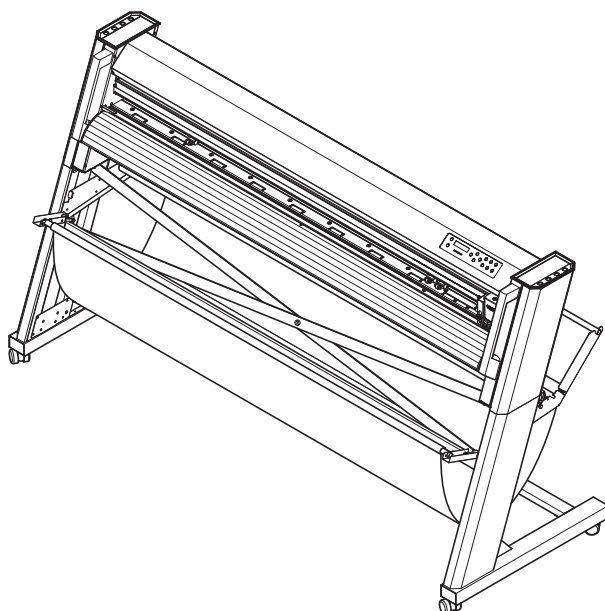
Checks before Operations

⚠CAUTION

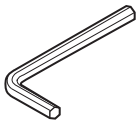
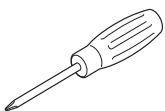
Unloading and placement are operations that must be performed by four persons or more.

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

Completed Drawing

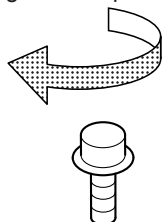


Necessary Tools

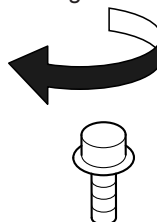
Included item	Commercially available item
	
Hexagonal wrench	Phillips screwdriver

How to View Pictures

Tighten temporarily



Tighten fully

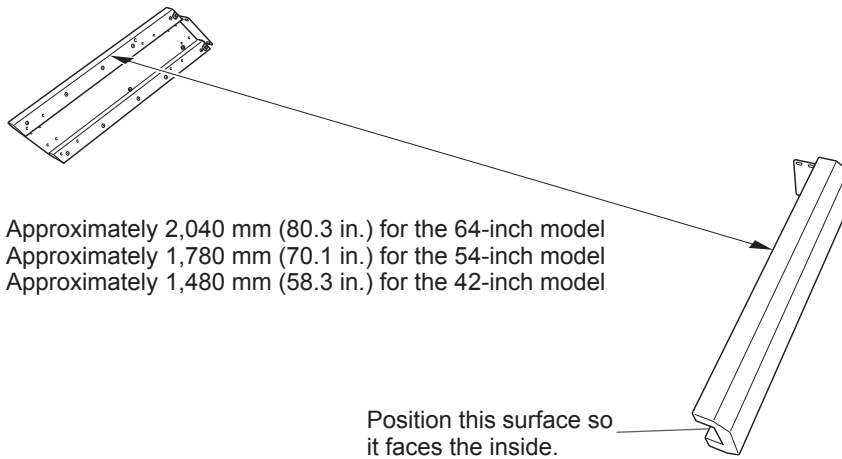


Step1. Assembling the Stand

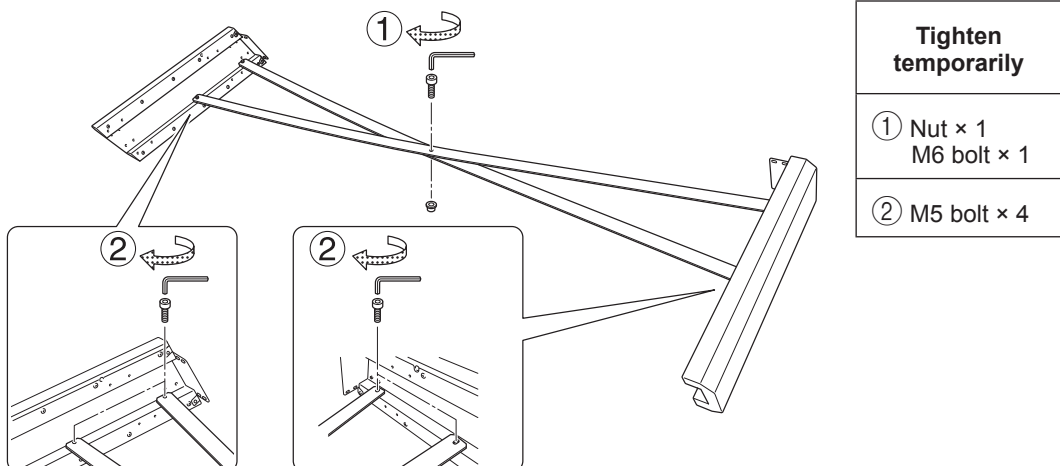
Procedure

- ① Position the stand legs parallel to each other and separated by approximately 2,040 mm (80.3 in.) for the 64-inch model, approximately 1,780 mm (70.1 in.) for the 54-inch model, or approximately 1,480 mm (58.3 in.) for the 42-inch model.

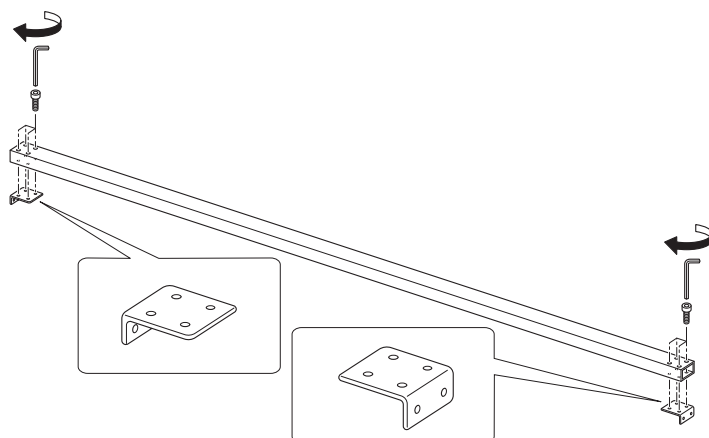
Position the stand legs so that their concave surfaces face the inside.



- ② Attach the upper stand stays to the stand legs.
 - ① Temporarily tighten the nut and M6 bolt at the hole in the center of the 2 upper stand stays.
 - ② Temporarily tighten the M5 bolts in 4 locations on the stand legs and upper stand stays.



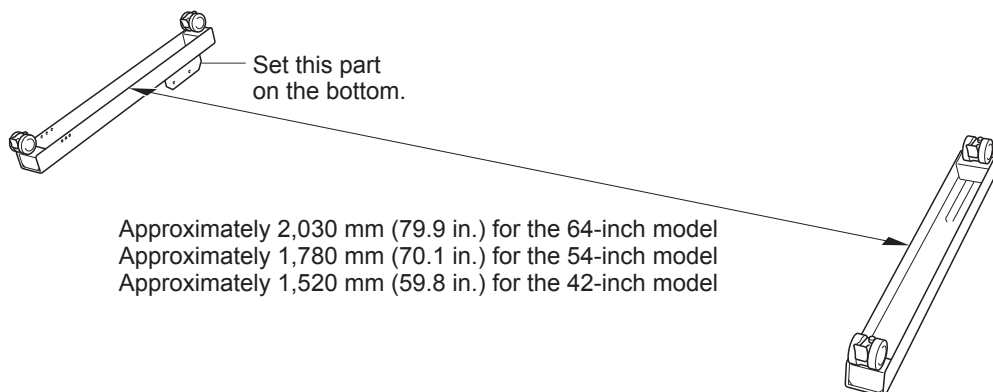
- 3** Attach the stand stay fixing plates to the left and right ends of the lower stand stay. Fully tighten the bolts in the 8 locations.



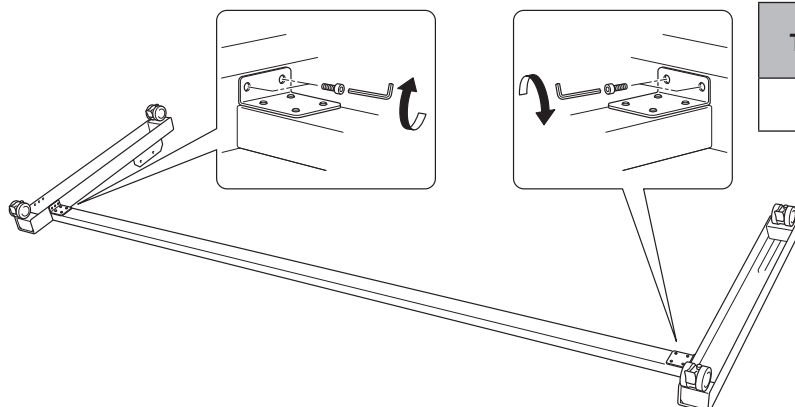
Tighten fully

M5 bolt × 8

- 4** Position the casters parallel to each other and separated by approximately 2,030 mm (79.9 in.) for the 64-inch model, approximately 1,780 mm (70.1 in.) for the 54-inch model, or approximately 1,520 mm (59.8 in.) for the 42-inch model.
Position the casters so that their plates face down.



- 5** Attach the lower stand stay to the casters. Fully tighten the bolts in the 4 locations.

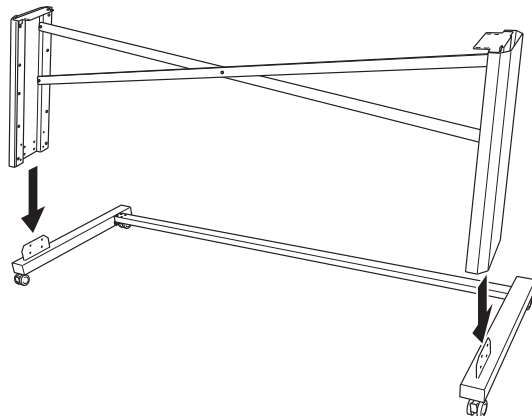


Tighten fully

M5 bolt × 4

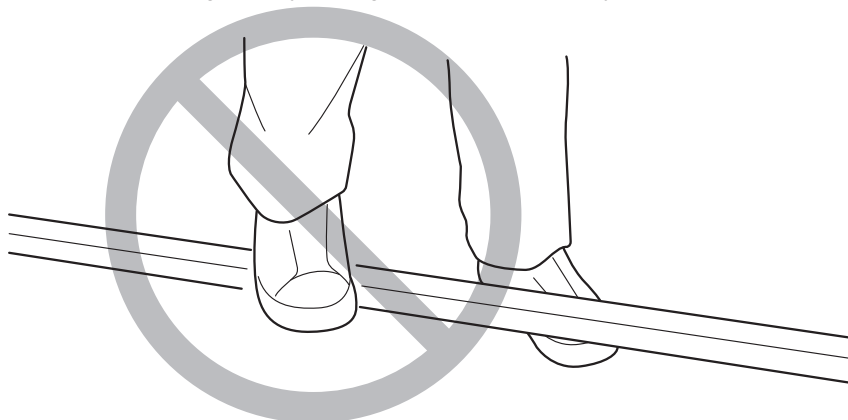
3. Assembly

- 6** Turn the assembled caster unit over, and then attach the stand legs.

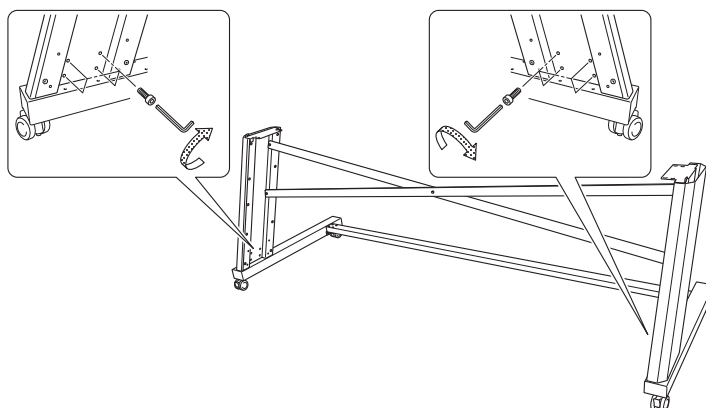


CAUTION

Do not step on the lower stand stay.
Doing so may damage the lower stand stay.



- 7** Temporarily tighten the bolts in 8 locations to connect the casters and the stand legs.



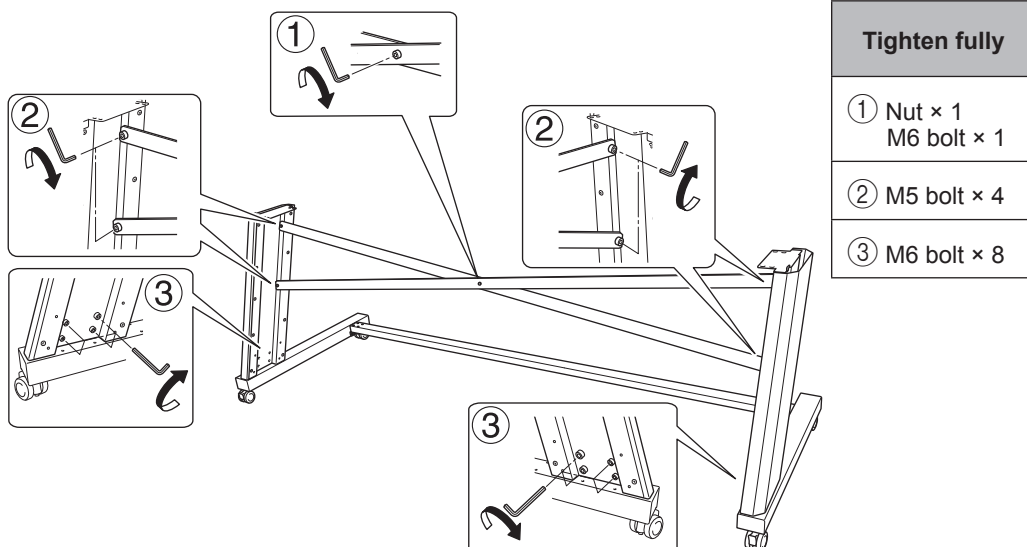
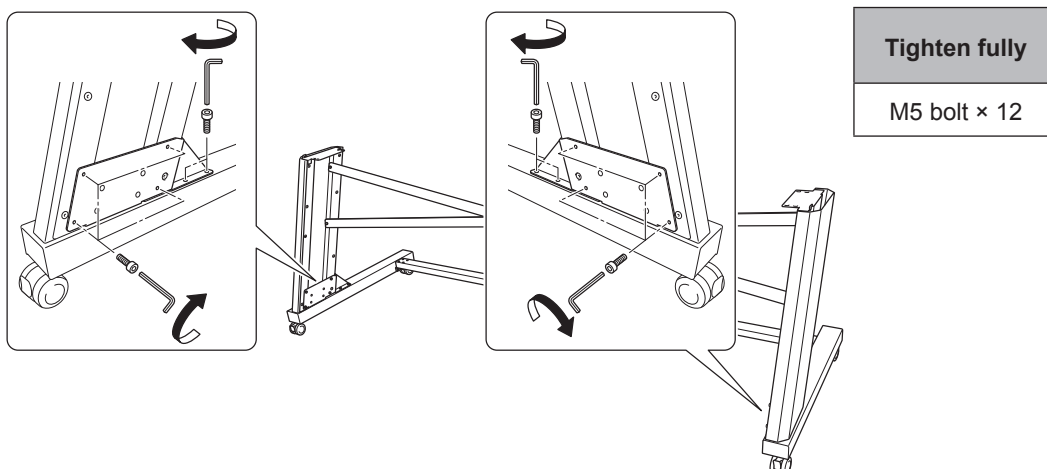
**Tighten
temporarily**

M6 bolt × 8

8 Fully tighten the bolts in the order of 1, 2, 3.

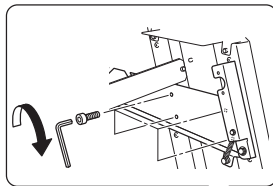
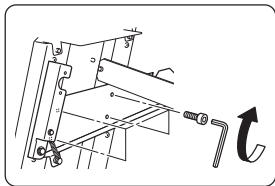
Before tightening the bolts, check once more that the 2 stand legs are parallel.

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

**9 Attach the stand leg fixing plates to the left and right stand legs. Fully tighten the bolts in the 12 locations.**

3. Assembly

- 10** Attach the arms to the left and right stand legs. Fully tighten the bolts in the 8 locations.



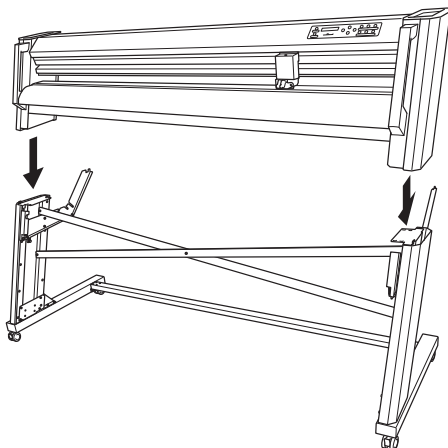
Tighten fully

M5 bolt × 8

Step2. Attaching the Machine

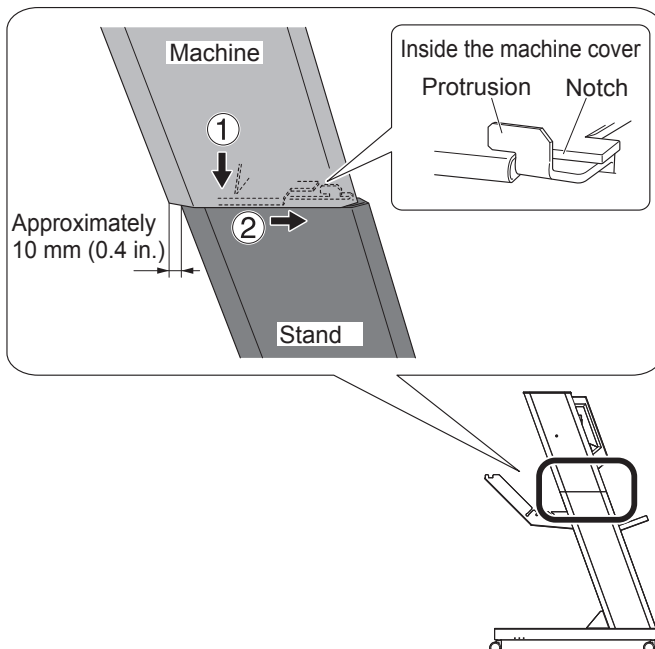
Procedure

- 1 Place the machine on the stand.



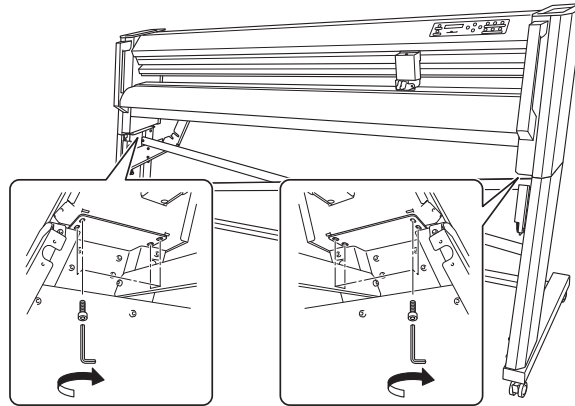
IMPORTANT: Follow the procedure shown below to securely connect the machine to the stand.

- ① Place the machine on the stand so that the back of the machine protrudes approximately 10 mm (0.4 in.) from the back of the stand.
- ② Slide the machine to the front to catch the protrusion at the front of the stand into the notch on the bottom surface of the machine (within the machine cover).



3. Assembly

- 2 Use bolts to secure the machine to the stand.**
 - ① Temporarily tighten the bolts in the 8 locations.
 - ② Fully tighten all the bolts that you temporarily tightened.



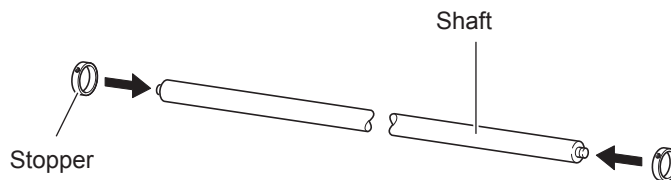
Tighten fully

M6 bolt × 8

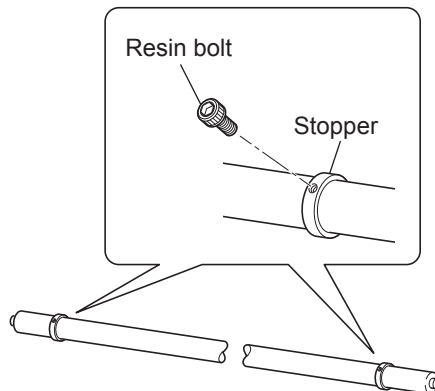
Step3. Attaching other Included Items

Procedure

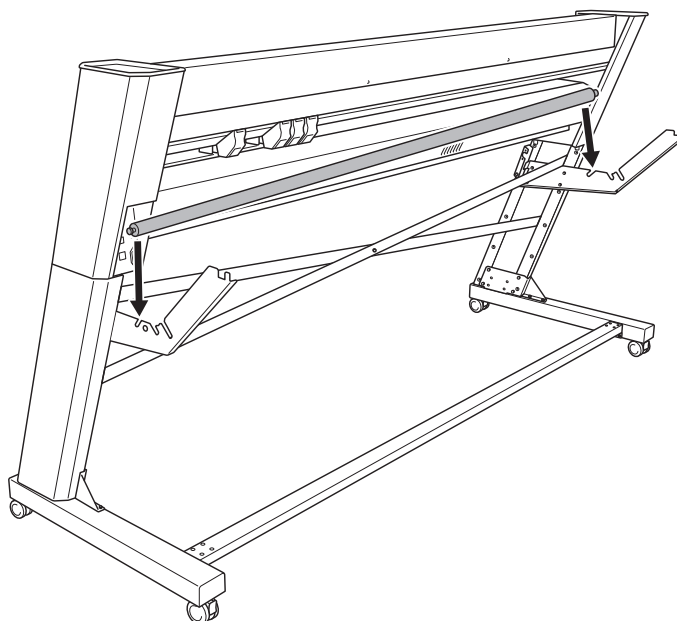
- 1 Fit the stoppers onto a shaft.**
Fit the 2 stoppers onto either of the shafts.



- 2 Temporarily tighten a resin bolt in each stopper (2 locations).**

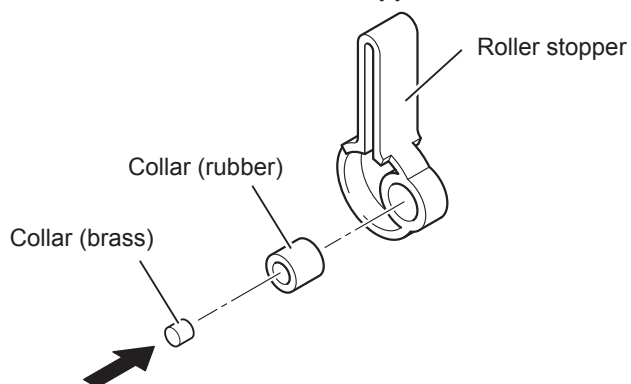


- 3** Place the shaft on which you have not fit the stoppers into the groove of the arms (the groove close to the front of the machine).

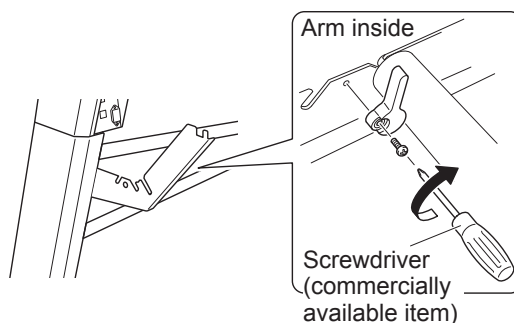


- 4** Attach the roller stopper.

- 1** Insert the collars into the hole in the roller stopper.



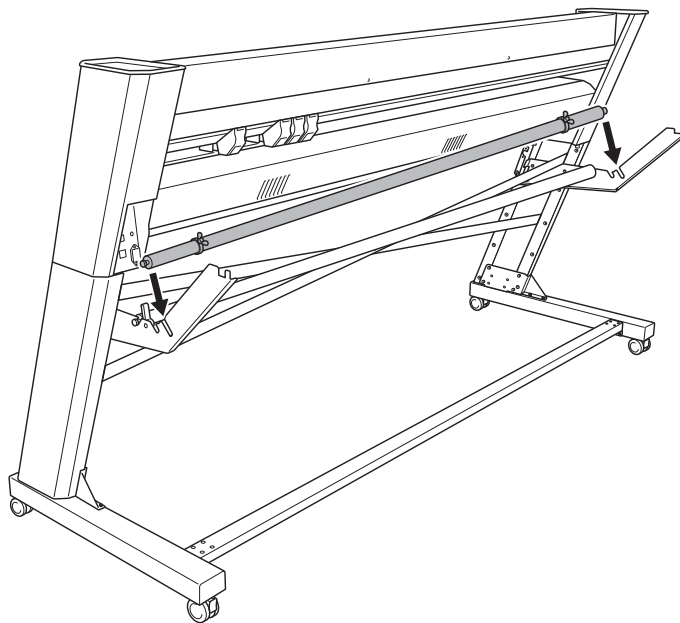
- 2** Attach the roller stopper to the hole at the back of the left arm (use an M4 screw).



3. Assembly

5 Place the shaft on which you have fit the stoppers onto the arms.

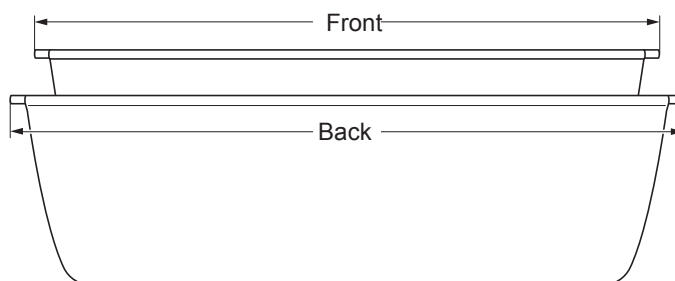
You can place the shaft into either of the 2 open grooves. Determine which groove to use according to the size of the media to use.



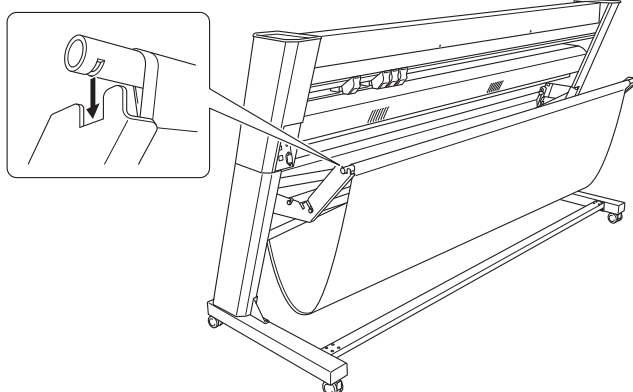
6 Attach the sheet basket.

MEMO

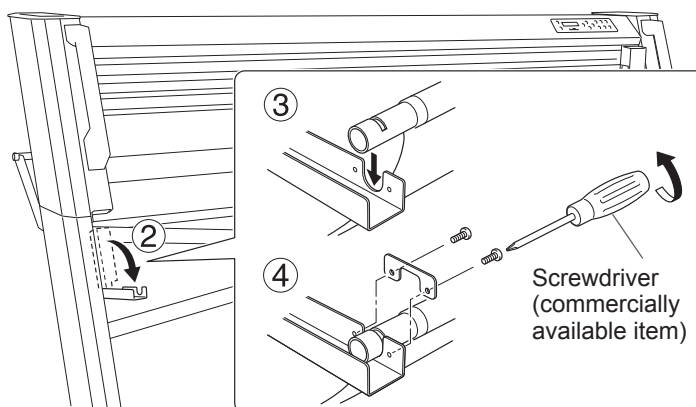
Attach the short bar to the front of the machine and the long bar to the back of the machine.



- ① Fit the grooves on both ends of the long bar into the notches at the top of the arms.



- ② Pull down the arms on the front side of the machine.
- ③ Place the short bar onto the arms with the grooves in the bar facing up.
- ④ Fit each sheet basket fixing plate into a groove and press down on each fixing plate. Then, secure each fixing plate in place with M3 screws. (Use a total of 4 M3 screws with 2 screws at the left location and 2 screws at the right location.)

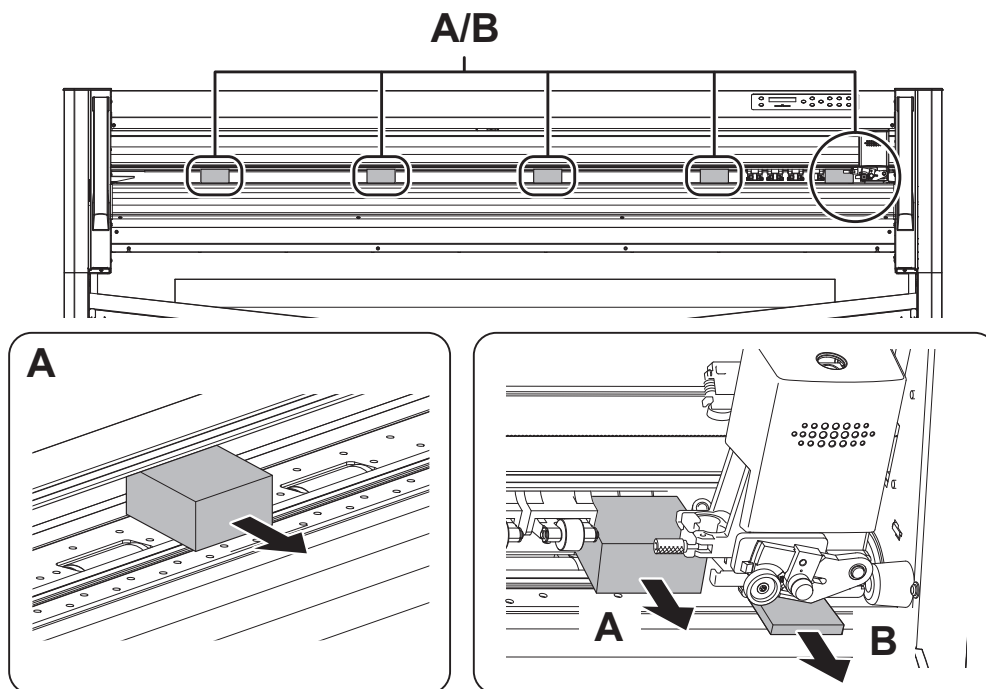


Step4. Removing the Retainers

Remove all the retainers indicated by A (for the large retainers in 5 locations) and B (for the small retainer in 1 location).

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.



Step5. Connecting the Cables

Connect the power cord.

⚠ WARNING

Perform this task with the power switch 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

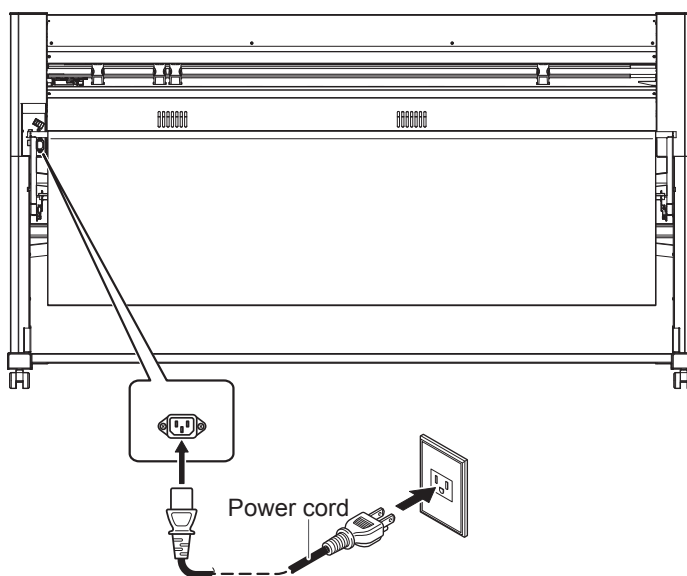
Connect the machine to ground.

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

IMPORTANT

Do not connect the Ethernet cable or USB cable at this point. Doing so will make it impossible to download the software and drivers.

For the detailed connection method, read this manual to the end, and then see the Startup Guide (<http://startup.rolanddg.com/>) for an explanation.



4. 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.

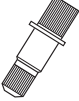
Failure to observe this instruction may cause the machine to move suddenly, resulting in injury.

⚠ CAUTION

Never touch the tip of the blade.

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

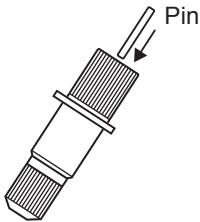
Step1. Assembling the Cutting Tool

Required items		
		
Blade holder	Blade	Pin

Procedure

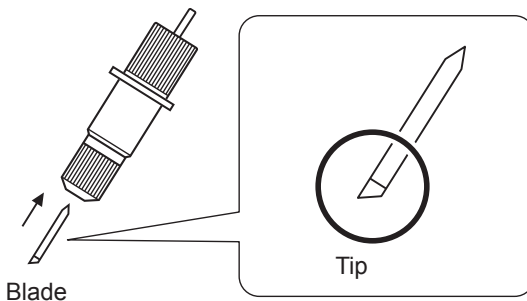
1 Insert the pin.

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.

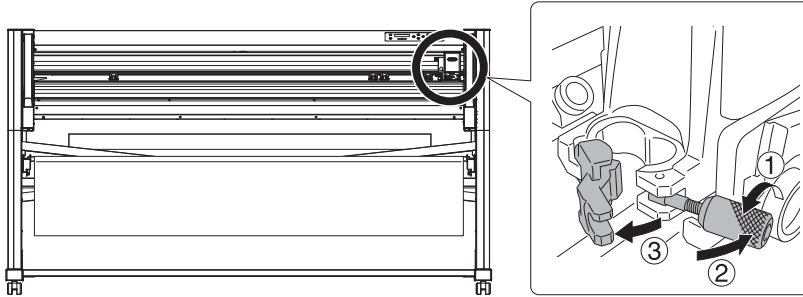
Insert the blade into the hole.



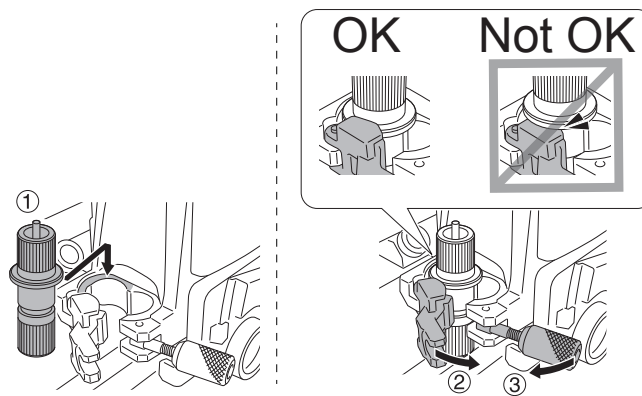
Step2. Installing the Cutting Tool

Procedure

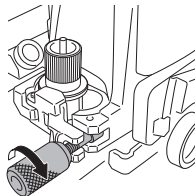
- 1 Loosen the cutting carriage screw.



- 2 Install the cutting tool in the cutting carriage.



- 3 Tighten the cutting carriage screw.



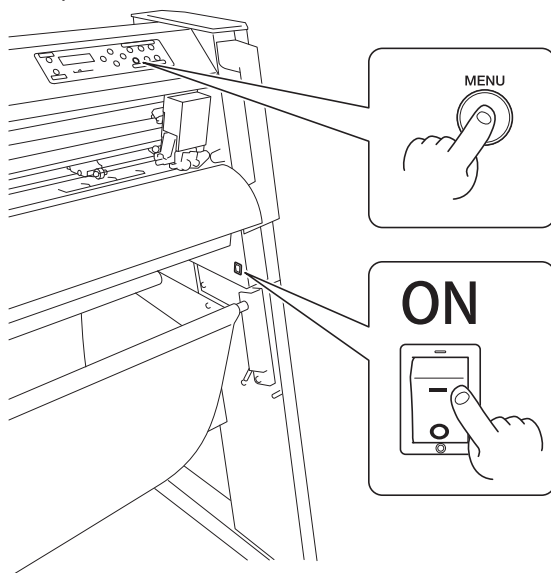
5. Preparations Before Use

Setting the Display Language

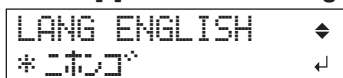
Procedure

- 1 Hold down **[MENU]** and press the power switch.

The power is switched on.



- 2 Press **[▼]** to select the language to use.



- 3 Press **[ENTER]**.

The cutting carriage moves to the right edge. Take care not to touch the cutting carriage.

- 4 Switch off the power.

Confirming System Requirements

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

Windows

Operating system (OS)	Windows 10, 8.1, 7 (32-bit/64-bit)*
CPU	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 display resolution	1,280 x 1,024 or above recommended
Free hard-disk space required for installation	100 MB or more recommended
Other	• Internet connectivity and web browser • Internet Explorer version 10 or later recommended

* OnSupport is 32-bit application software and therefore runs on WOW64 (Windows 32-bit on Windows 64-bit) on 64-bit editions of Windows.

Macintosh

- A Macintosh with an Intel chipset.
- Adobe Illustrator CC or later.

5. Preparations Before Use

Installing Software and Manuals

The software (Windows driver and application software) and manuals required to use the machine must be downloaded and installed from the Roland DG Corp. website (the Startup Guide) on the Internet.

Access the URL below. Information such as download and installation instructions can be found in the Startup Guide accessed from this URL.

<http://startup.rolanddg.com/>

Software and manuals for installation

Software	
Roland OnSupport	This software is required to download and install the application software. Be sure to install it.
Windows driver	This is a Windows-based driver required for sending data from a computer to the machine. Be sure to install it.
Roland CutStudio	This is a Windows-based cutting program that enables you to accomplish high-quality cutting through easy operation. * The manual for this software is incorporated in the Help files.
CutStudio Plug-in for Adobe Illustrator (For Windows)	This is a software plug-in that lets you send data created using Adobe Illustrator directly to CutStudio.
CutStudio Plug-in for CorelDRAW	This is a software plug-in that lets you send data created using CorelDRAW directly to CutStudio.
CutStudio Plug-in for Adobe Illustrator (For Macintosh)	This is a software plug-in that lets you create cutting data in Adobe Illustrator and perform cutting.
Manuals	
• GR-640/GR-540/GR-420 User's Manual (Basic Operation Edition) • GR-640/GR-540/GR-420 User's Manual (Application Edition: Windows Version) • GR-640/GR-540/GR-420 User's Manual (Application Edition: Macintosh Version)	These manuals explain how to operate the machine. The basic operation edition provides an explanation focused on the basic operation of the machine. The application edition (Windows version and Macintosh version) provides an explanation of detailed usage such as operation methods using the included software.

Software Versions Supported by Plug-Ins

CutStudio Plug-in for Illustrator:	Adobe Illustrator CC or later
CutStudio Plug-in for CorelDRAW:	CorelDraw X6 or later

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