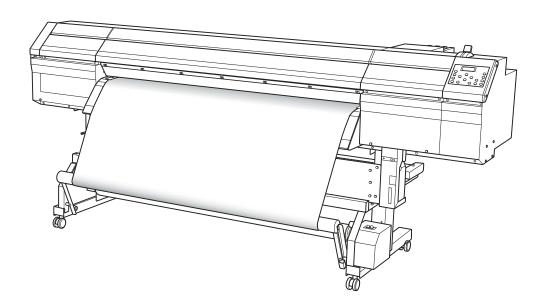
SOLJET PRO 4

XR-640 USER'S MANUAL



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 transferral, in whole or in part, of this manual is prohibited.
- > The contents of this document and the specifications of this product are subject to change without notice.
- > The documentation and the product have been prepared and tested as much as possible. If you find any misprint or error, please inform us.
- > Roland DG Corp. assumes no responsibility for any direct or indirect loss or damage which 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 which may occur with respect to any article made using this product.

Г	
ŀ	This product is using GNU General Public License (GPL) / GNU Lesser General Public License (LGPL) software. In ave the right to acquire, modify, and distribute the source code for this GPL/LGPL software. You can obtain GPL/LGPL source code used in this product by downloading it from the following website. JRL: http://www.rolanddg.com/gpl/
F	Roland DG Corp. has licensed the MMP technology from the TPL Group.

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 -

NOTICE

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

AVIS

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

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.

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.

Operating Instructions

KEEP WORK AREA CLEAN. Cluttered areas and benches invites accidents.

DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.

DISCONNECT TOOLS before servicing; when changing accessories, such as blades, bits, cutters, and like.

REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure the switch is in off position before plugging in.

USE RECOMMENDED ACCESSORIES. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.

NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.

- For California *-*

WARNING

This product contains chemicals known to cause cancer, birth defects and other reproductive harm.

For EU Countries -



Manufacturer:

ROLAND DG CORPORATION

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

The authorized representative in the EU:

Roland DG Corporation, German Office Halskestrasse 7, 47877 Willich, Germany

产品中有毒有害物质或元素的名称及含量

	有毒有害物质或元素					
部件名称	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	×	0	×	0	0	0
头部	×	0	0	0	0	0
売体、底架	×	0	0	0	0	0
电源	×	0	×	0	0	0
其他(电缆、附件等)	×	0	0	0	0	0

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

环保使用期限



此标志适用于在中国国内销售的电子信息产品,表示环保使用期限的年数。 所谓环保使用期限是指在自制造日起的规定期限内,产品中所含的有害物质 不致引起环境污染,不会对人身、财产造成严重的不良影响。

环保使用期限仅在遵照产品使用说明书,正确使用产品的条件下才有效。 不当的使用,将会导致有害物质泄漏的危险。

For EU Countries



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



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



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



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



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



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



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



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



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



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



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

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

Machine Highlights

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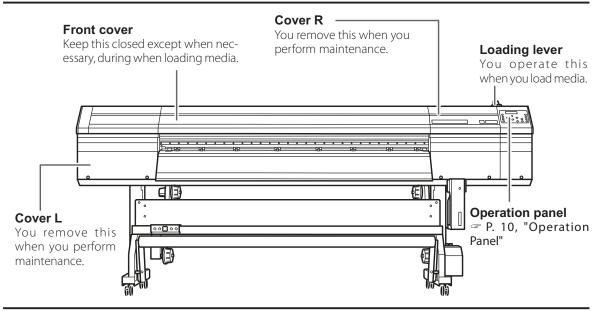
Part Names and Functions



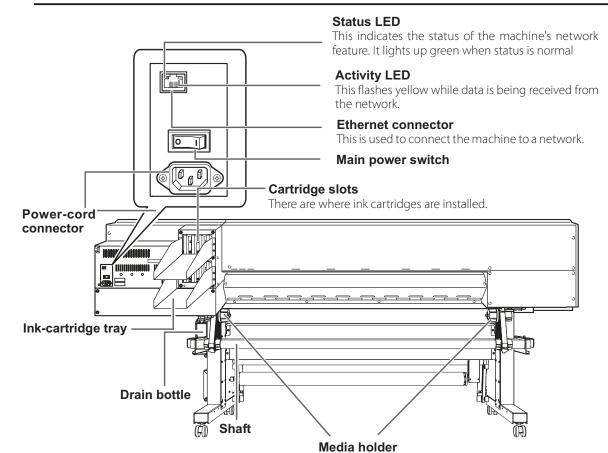
Machine Highlights

Printer Unit

Front



Rear



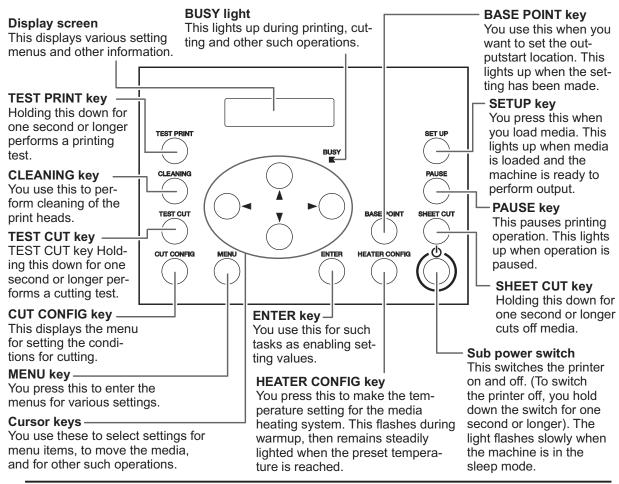
Front cover inside/print head periphery **Cutting carriage** The blade and the separating knife are inside here. Print-head carriage The print head are inside this. Media clamps These keep the media from coming loose and prevent fuzz on the cut edge of the media from touching the print head. Pinch rollers These clamp the media when the loading lever is pulled back toward you. Grit rollers These rollers feed out media toward the front of the machine. Knife guide -The separating knife passes through this when you perform media cutoff. Blade protector -This protects the tip of the blade during cutting. This is the path over which the media passes. A suction fan that keeps the media from coming loose and

9

print heater that helps fix the ink

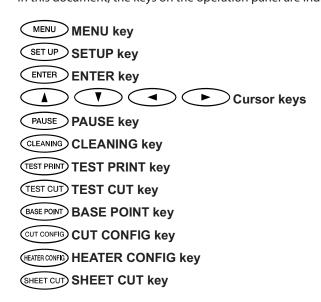
are built in.

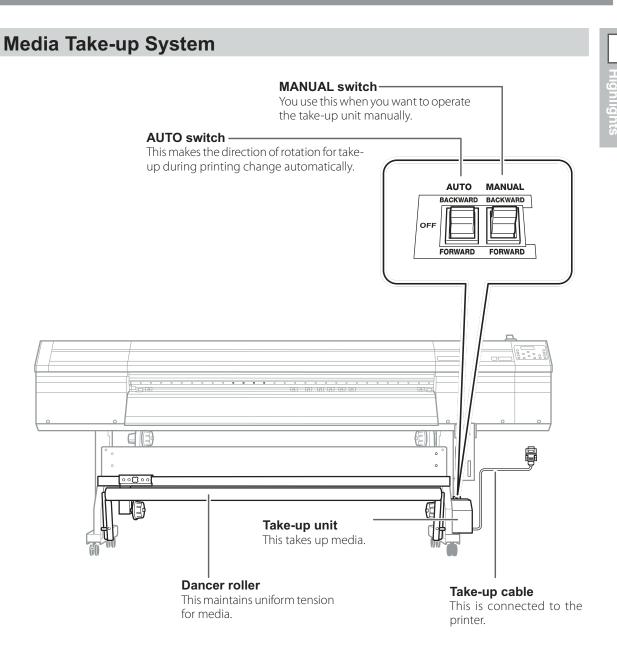




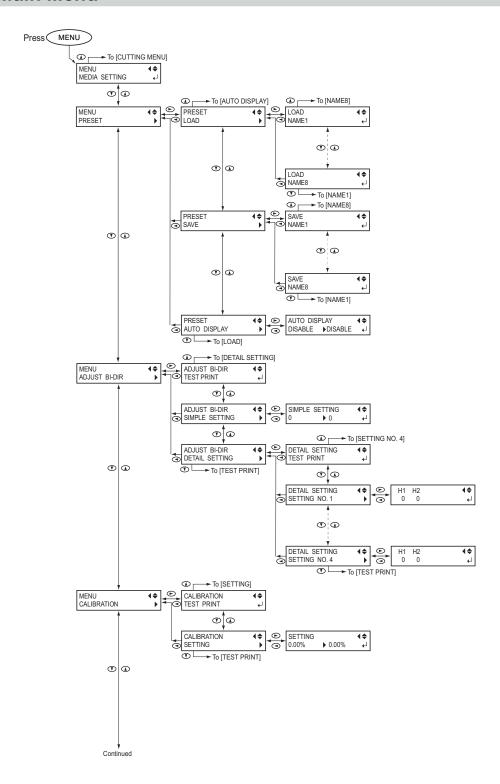
Panel Notation

In this document, the keys on the operation panel are indicated by the following illustration.

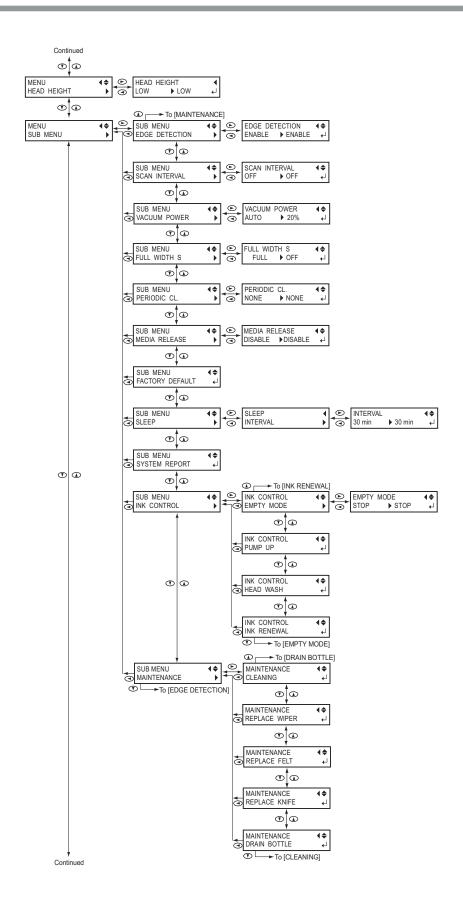


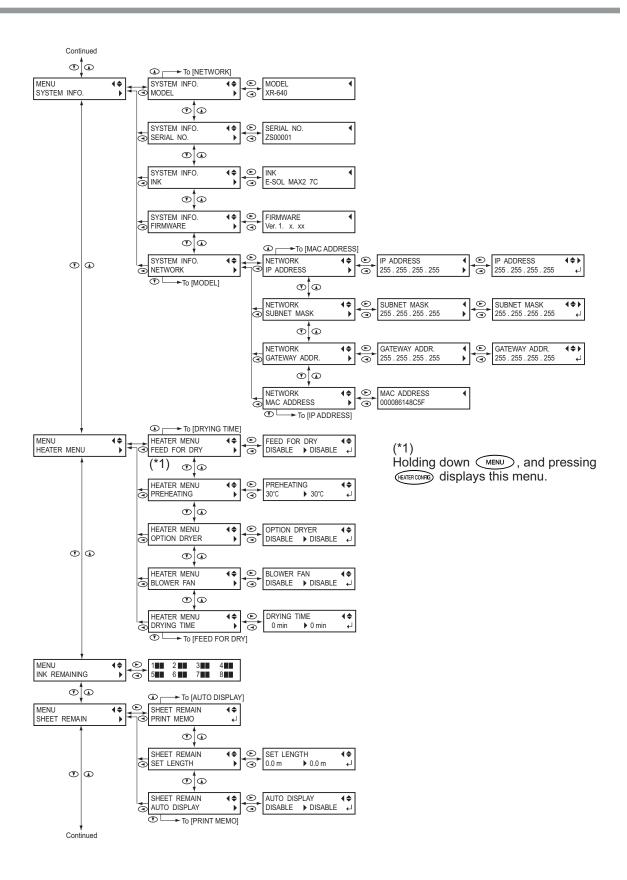


Main Menu

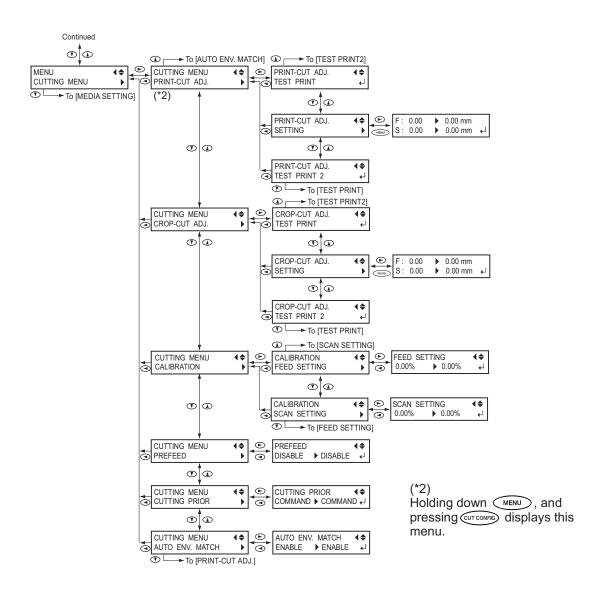




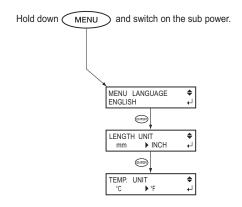








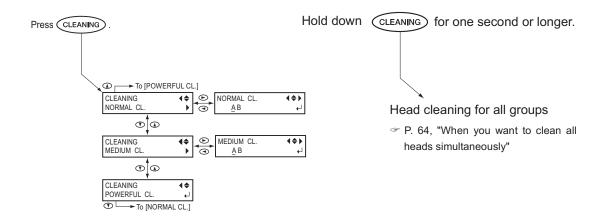
Language and Unit Menu



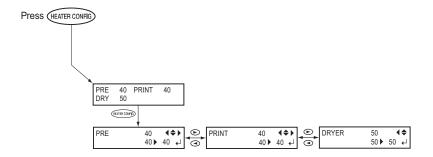


Machine Highlights

Cleaning Menu



Heater Configuration Menu



Cutting Configuration Menu





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.

1 Machi Highli

About **WARNING** and **CAUTION** Notices

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

About the Symbols

A	The \triangle symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. The symbol at left means "danger of electrocution."
	The Symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. The symbol at left means the unit must never be disassembled.
9-15-	The symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. The symbol at left means the power-cord plug must be unplugged from the outlet.

<u>^</u>

Incorrect operation may cause injury

!WARNING



Be sure to follow the operation procedures described in this documentation. Never allow anyone unfamiliar with the usage or handling of the machine to touch it.

Incorrect usage or handling may lead to an accident.



Keep children away from the machine.

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



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

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



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

Doing so may result in injury or fire.



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

Incompatible items may lead to an accident.



Before attempting cleaning, maintenance, or attachment or detachment of optional items, disconnect the power cord.

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

MARNING



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.

ACAUTION



Exercise caution to avoid being pinched or becoming caught.

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



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

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



Conduct operations in a clean, brightly lit location.

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



Never climb or lean on the machine.

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



Caution: cutting tool.

This machine has an internal tool. To avoid injury, handle the tool with care.

$/! \setminus$ Danger of electrical short, shock, electrocution, or fire

WARNING



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

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





Never use out of doors or in any location where exposure to water or high humidity may occur. Never touch with wet hands. Doing so may result in fire or electrical shock.



Never allow any foreign object to get inside. Never expose 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 Corp. 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 may be a danger.

! WARNING



Handle the power cord, plug, and electrical outlet correctly and with care. Never use any article that is damaged.

Using a damaged article may result in fire or electrical shock.



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.



Position so that the power plug is within immediate reach at all times.

This is to enable quick disconnection of the power plug in the event of an emergency. Install the machine next to an electrical outlet. Also, provide enough empty space to allow immediate access to the electrical outlet.



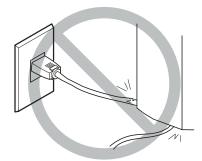
If sparking, smoke, burning odor, unusual sound, or abnormal operation occurs, immediately unplug the power cord. Never use if any component is damaged.

Continuing to use the machine may result in fire, electrical shock, or injury. Contact your authorized Roland DG Corp. dealer.

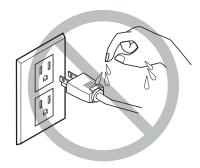


Do not use the supplied power supply cord for other products.

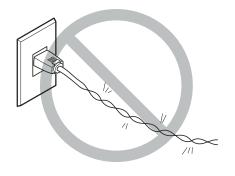
Mimportant notes about the power cord, plug, and electrical outlet



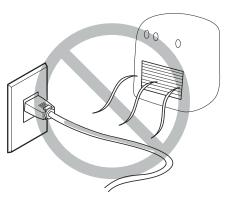
Never place any object on top or subject to damage.



Never allow to get wet.



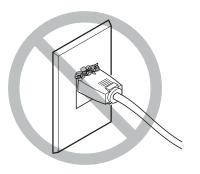
Never bend or twist with undue force.



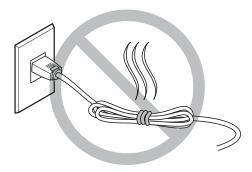
Never make hot.



Never pull with undue force.



Dust may cause fire.



Never bundle, bind, or roll up.

${ extstyle !}$ Ink, cleaning liquid, and discharged fluid are flammable and toxic

1

WARNING



Keep open flame away from the work

Ink and discharged fluid are flammable.



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

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

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



Never place an ink cartridge in fire.

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



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

Doing so may be hazardous to the health.

ACAUTION



Ensure adequate ventilation for the work area.

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



Never allow an ink cartridge to be subjected to impact, and never attempt to disassemble.

Ink may leak.

⚠ In the event of ingestion or physical distress

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



The total maximum weight of this machine reaches 300 kg (661 lb.)

Media weighs 40 kg (88 lb.)

∕NWARNING



Install the machine in a location that is level, stable, and able to bear the weight of the machine.

The total weight may reach over 300 kg (661 lb.). Installation in an unsuitable location may cause a major accident, including tip over, fall, or collapse.



Unloading and emplacement are operations that must be performed by 6 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.

MARNING



Be sure to lock the stand's casters.

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



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

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



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

Attempting to lift heavy media in a manner that taxes your strength may cause physical injury.

⚠ Danger of fire, burns, or toxic gas emissions

AWARNING



Caution: high temperatures

Areas such as the dryer become hot. Exercise caution to avoid fire or burns.



When printing is not being performed, remove any loaded media or switch off the power.

The continued application of heat at a single location may cause the release of toxic gases from the media or pose a fire hazard.



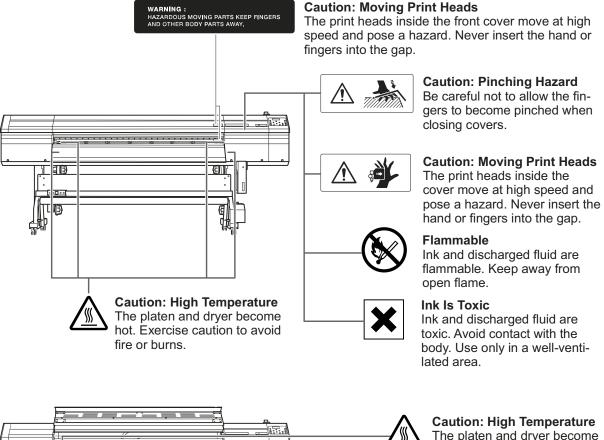
Never use media that cannot withstand heat.

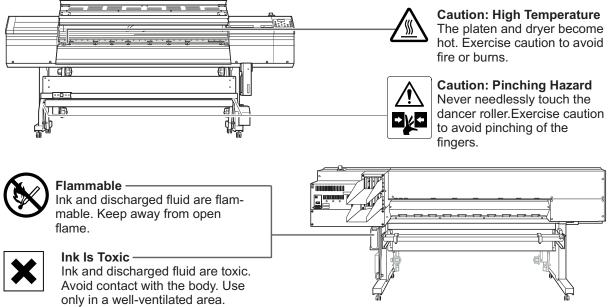
Doing so may degrade the media, or may result in fire or the release of toxic gases.

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. Also, never remove the labels or allow them to become obscured.

Machine Highlights







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

A	Le symbole \triangle 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.
9 5	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



S'assurer de suivre les procédures d'utilisation décrites dans la documentation. 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.



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.

ATTENTION



Débrancher le câble d'alimentation avant de procéder au nettoyage ou à l'entretien de l'appareil, et avant d'y fixer ou d'en retirer des accessoires en option.

Tenter ces opérations pendant que l'appareil est branché à une source d'alimentation peut causer des blessures ou un choc électrique.



Ne jamais tenter de démonter, de réparer ou de modifier l'appareil.

Le non-respect de cette consigne risque de provoquer un incendie, un choc électrique ou des blessures. Confier les réparations à un technicien ayant la formation requise.

APRUDENCE



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.

1

Machine Highlight



PRUDENCE



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.

PRUDENCE



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.

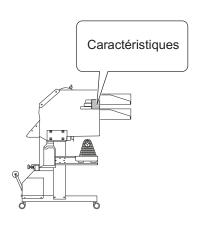
A Risque de décharge ou de choc électrique, d'électrocution ou d'incendie

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.



ATTENTION



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 jamais toucher l'appareil avec des mains

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 Corp. autorisé.

ATTENTION



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.



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.

ATTENTION



S'il se produit des étincelles, de la fumée, une odeur de brûlé, un bruit inhabituel ou un fonctionnement anormal, débrancher immédiatement le câble d'alimentation. Ne jamais utiliser si un composant est endommagé.

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

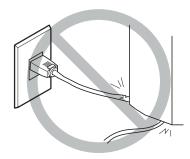


Ne pas utiliser le cordon électrique fourni avec d'autres produits.



Highlights

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



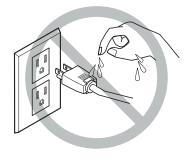
Ne jamais déposer aucun objet sur le câble, sur la fiche ou sur la prise car cela risque de les endommager.



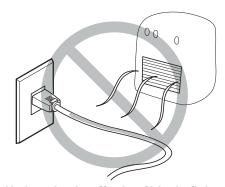
Ne jamais plier ni tordre le câble avec une force excessive.



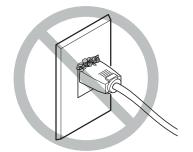
Ne jamais tirer sur le câble ou la fiche avec une force excessive.



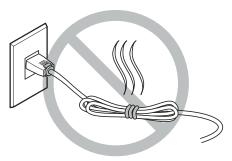
Ne jamais laisser l'eau toucher le câble, la fiche ou la prise.



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



La poussière peut causer un incendie.



Ne jamais plier ni enrouler le câble.

L'encre, les liquides nettoyants et les liquides usées sont inflammables et toxiques

1

Highlights

ATTENTION



Ne pas approcher une flamme nue de l'espace de travail.

L'encre et les liquides usés sont inflammables.



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

un endroit exposé à une flamme nue;

➤ un endroit où il y a risque de température élevée;

➤ près d'eau de Javel, d'un autre agent d'oxydation ou de matériel explosif;

> tout endroit à la portée d'enfants.

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



Ne jamais incinérer une cartouche d'encre.

De l'encre pourrait couler, s'enflammer et le feu se répandre à des objets proches.

ATTENTION



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

Cela est dangereux pour la santé.

⚠PRUDENCE



S'assurer que le lieu de travail est bien aéré.

L'absence d'aération adéquate peut créer une situation dangereuse pour la santé ou un risque de combustion à cause des vapeurs qui émanent de l'encre.



Ne jamais soumettre une cartouche d'encre à des chocs. Ne jamais tenter d'ouvrir une cartouche d'encre.

De l'encre pourrait s'échapper.

⚠ En cas d'ingestion ou de trouble physique

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

⚠ Le poids brut maximum de cette machine atteint 300 kg (661 lb.) Le poids du support est de 40 kg (88 lb.)

ATTENTION



Installer l'appareil à un endroit stable et plat et capable de supporter son poids.

Le poids total de l'appareil peut être de 300 kg (661 lb.). Installer l'appareil à un endroit inapproprié peut provoquer un accident grave comme le renversement, la chute ou l'écrasement.



Le déchargement et la mise en place doivent être faits par au moins 6 personnes on plus.

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.

ATTENTION



S'assurer de verrouiller les roulettes de

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



Prendre les mesures de sécurité adéquates pour l'entreposage des rouleaux de support pour s'assurer qu'ils ne rouleront pas, ne tomberont pas et ne se renverseront pas.

Il y a risque d'être écrasé par le support et de subir des blessures graves.



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.

Risque d'incendie, de brûlures ou d'émissions de gaz toxiq

ATTENTION



Attention: températures élevées.

Les zones comme le séchoir chauffent. Faire preuve de prudence pour éviter un incendie ou des brûlures.



Quand aucun travail d'impression n'est en cours, retirer tout support de l'appareil ou couper l'alimentation électrique.

L'application continue de chaleur à un point unique peut causer l'émission de gaz toxiques ou créer un risque d'incendie.

ATTENTION



Ne jamais utiliser un support qui ne peut pas supporter la chaleur.

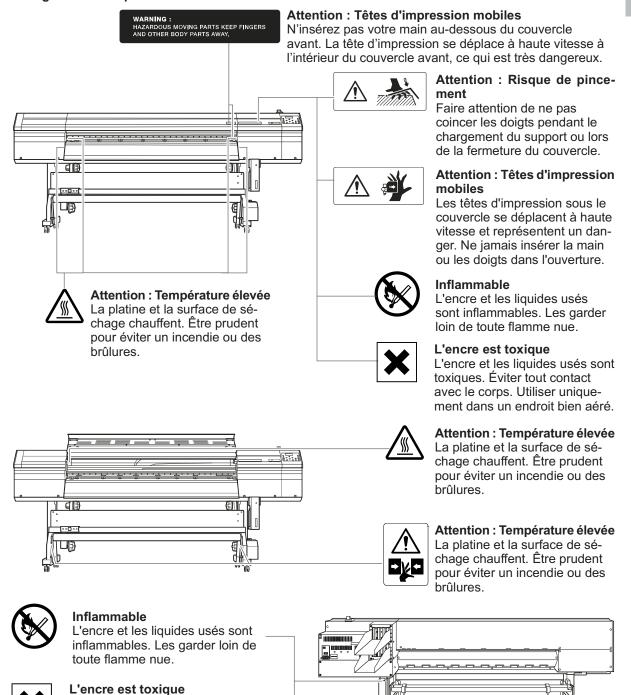
L'utilisation d'un support qui ne supporte pas la chaleur peut détériorer le support, créer un risque d'incendie ou causer l'émission de gaz toxiques.

1

Highlights

★ Vignettes d'avertissement

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



L'encre et les liquides usés sont toxiques. Éviter tout contact avec le corps. Utiliser uniquement dans

un endroit bien aéré.

Important Notes on Handling and Use



Machine Highlights This machine is a precision device. To ensure the full performance of this machine, be sure to observe the following important points. Failure to observe them may not only result in loss of performance, but may also cause malfunction or breakdown.

Printer Unit

This machine is a precision device.

- > Handle carefully, and never subject the machine to impact or excessive force.
- Never needlessly put your hand or fingers inside the cover, the ink-cartridge ports, or other internal areas of the machine.

Install in a suitable location.

- > Install in a location having the specified temperature and relative humidity.
- > Install in a quiet, stable location offering good operating conditions.

The print heads are delicate.

- ➤ Never needlessly touch or allow media to scrape them. Failure to handle with care may cause damage.
- > The print heads may be damaged if allowed to dry out. The machine prevents desiccation automatically, but improper operation may render this feature inoperative. Operate properly, as specified in this manual.
- ➤ Never allow the machine to stand with an ink cartridge removed. Remaining ink in the printer may harden and clog the print heads.
- > The print heads are components that wear out. Periodic replacement is required, with the frequency of replacement depending on use.

This machine becomes hot.

> Never cover the ventilation holes with cloth, tape, or anything else.

Ink Cartridges

Ink cartridges come in various types.

➤ Use a type that is compatible with the printer. Also, be sure to use only genuine items from Roland DG Corp.

Never subject to impact or attempt to disassemble.

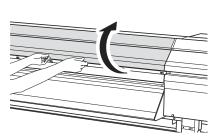
- Never drop or shake forcefully. The impact may rupture the internal pouch and cause the ink to leak.
- > Never attempt to disassemble.
- > Never attempt to refill the ink.
- ➤ If ink gets on your hands or clothing, wash it off as soon as possible. Removal may become difficult if allowed to stand.

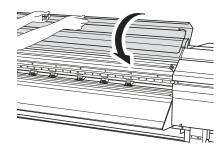
Storage

> Store unopened in a well-ventilated location at a temperature of -20 to 40°C (-4 to 104°F).

Important Notes On Opening/Closing The Front Cover

Open and close the front cover quietly with both hands. Failure to do so may cause a trouble.







2 Basic Operation

Chapter 2 Basic Operation

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Prepare the Media

Type of Media

In this manual, the paper used for output is called "media." There are the following main two media types used in this machine.

- > Roll media: Media wound onto a paper tube
- > Sheet media: Media not wound onto a paper tube such as standard-size media

asic Speration

Various paper quality types of roll media and sheet media are selectable according your purpose. For detailed information about each media, contact your media supplier. Media is also available from our following website. http://www.rolanddg.com/

Usable Media

This machine cannot necessarily print every kind of media. When selecting media, be sure to carry out testing in advance to make sure that satisfactory printing quality is obtained.

Size

Width (For both Roll Media and sheet media)

315 to 1625 mm (12.4 to 64 inches)

A) Cuttable media thickness (For both Roll Media and sheet media)

0.08 mm to 0.22 mm (0.3 to 1 mil) (depending on media composition)

B) Maximum media thickness (For both Roll Media and sheet media)

Printing only:1.0 mm (4mil)

When performing cutting: 0.4 mm (1.6 mil)

Roll outer diameter

210 mm (8.2 inches)

Paper tube (core) inner diameter

76.2 mm (3 inches) or 50.8 mm (2inches)

Roll weight

40 kg (88 lb.)

Other conditions

Media such as the following cannot be used.

- Media whose end is attached to the paper tube (core)
- > Media which is severely warped or which has a strong tendency to reroll
- > Media that cannot withstand the heat of the media heating system
- > Media whose paper tube (core) is bent or crushed
- ➤ Media that bends under its own weight when loaded
- ➤ Media on a sagging roll
- ➤ Media that is rolled unevenly



Switch On!

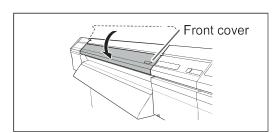
MARNING

When output is not being performed, remove any loaded media or switch off the sub power.

The continued application of heat at a single location may cause the release of toxic gases from the media or pose a fire hazard.

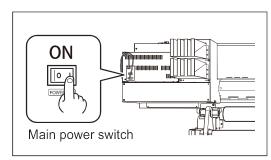
Procedure





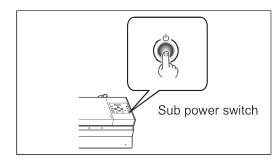
Close the front cover.





Turn on the main power switch.





Press the sub power button.

Note: For installation of the ink cartridge and selection of the language displayed on the display screen, refer to Setup Guide.

The Power-saving Feature (Sleep Mode)

This machine is provided with a power-saving feature that switches to a low-power "sleep mode" when a fixed interval passes with no operation. The factory default for the time after which the machine switches to the sleep mode is 30 minutes. When the machine is in the sleep mode, the sub power switch flashes slowly. Using the operation panel or performing operations such as sending output data from the computer (when media is loaded) restores the machine to its normal mode.

This setting of sleep mode can be changed. However, we recommend setting the activation time for the sleep mode to 30 minutes or less to reduce power consumption and prevent problems such as overheating.

P. 150, "Setting the Interval until Activation of the Sleep Mode (Power Saving Function)"

Loading Roll Media

CAUTION Load roll media correctly.

Otherwise the media may fall and cause injury.

CAUTION Roll media weighs about 40 kg (88 lb.). To avoid injury, handle with care.

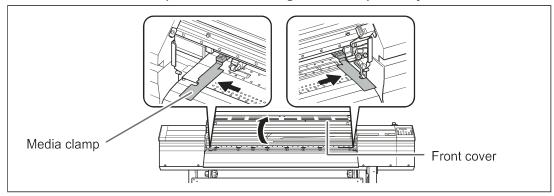
! CAUTION Never load media that weighs over 40 kg (88lb.).

The machine may fail to withstand the weight and tip over or cause the media

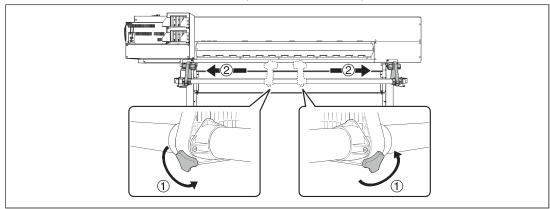
to fall.

$oldsymbol{I_{ullet}}$ Install the media to the media holder.

- ① Open the front cover.
 - ② Move the media clamps to the left and right ends respectively.



- 2 ① Loosen the retaining screws of the media holders.
 - ② Move the media holders all the way to the left and right.



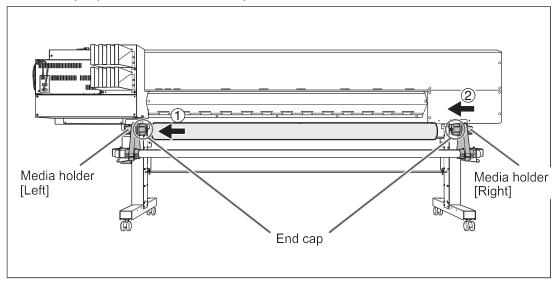
Q Basic Operation

3 Tit the paper tube (core) onto the end cap of the media holder [Left].

Do not secure the media holder now.

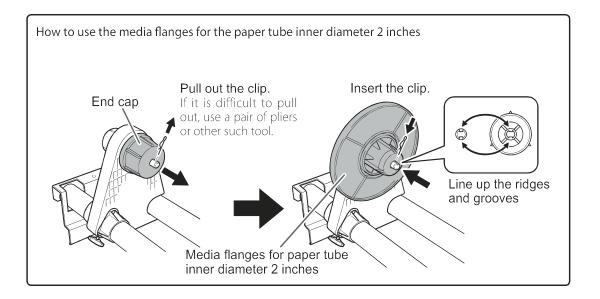
② Move the media holder [Right] and fit the end cap onto the paper tube core of the media.

Fit it securely to prevent the media from easy loose.



IMPORTANT! Install conforming to the procedures.

Load the media while the left media holder is positioned close to the left edge, as shown in the figure. Also, never secure the media holder in place before loading the media. Loading media without performing these steps in the proper order may make smooth media feed impossible or yield poor printing results.



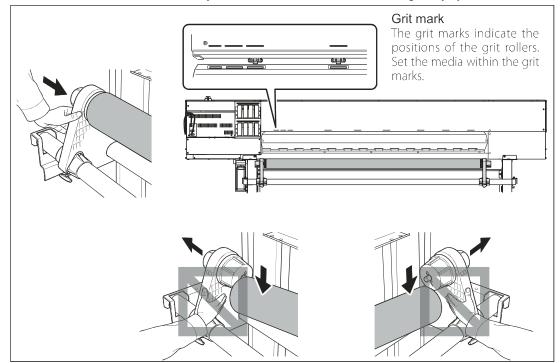
Hold the outer side of the media holder [Left] and position the left and right side edges of the media to match the grit patterns.

When deciding the position, hold the both sides of media holders from the outer sides and move it. Do not hold the media directly to move.

ACAUTION

Never attempt this operation while holding any location other than the one specified.

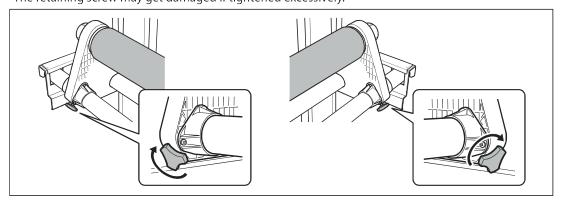
The media may fall from the media holder, resulting in injury.



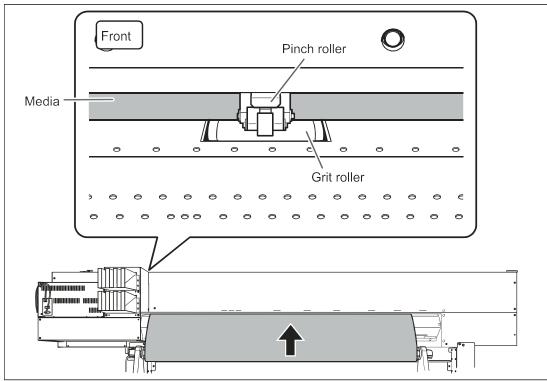
IMPORTANT! Decide the left and right side positions of the media finally at this step. After this procedure is completed, if the left and right side positions do not fit the proper position when securing the media with pinch rollers, go back to this step to redo this procedure. Printing quality is affected due to skew media feed, if you hold the media only to readjust the position forcibly.

6 Secure the media holder by tightening the securing screws slightly.

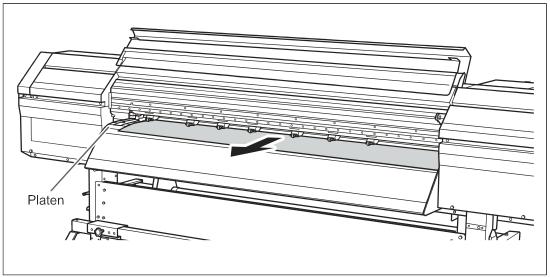
The retaining screw may get damaged if tightened excessively.



- 2. Pass the media through the printer and secure the media holders.
- Pass the leading edge of the media between the pinch rollers and the grit rollers.

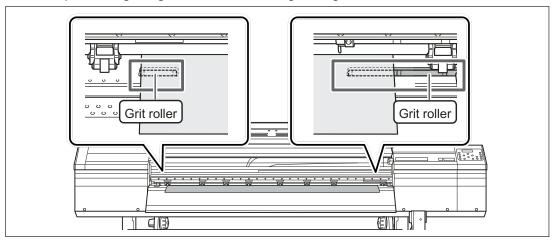


2 Pull out the media over the platen.



Check both edges of the media are placed on the grit rollers.

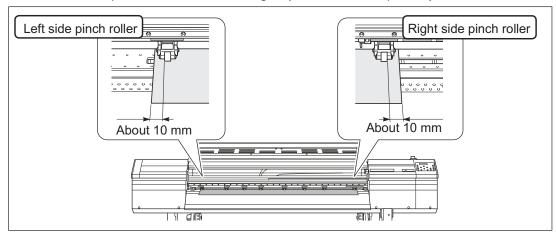
Be sure to place the right edge of the media on the right end grit rollers.



2 Basic Operation

Place the left and right pinch rollers on both edges of the media.

Place them on the positions from the media edges by about 10 mm respectively.



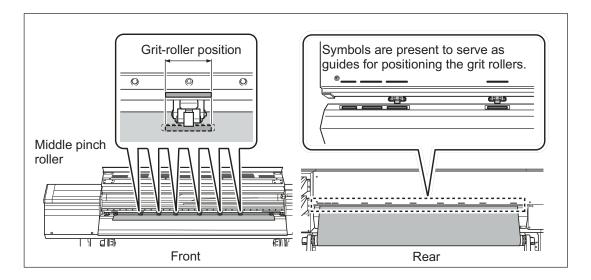
IMPORTANT!

If you want to readjust the media position at this step, go back to the procedure 1 and redo the procedure 1 - 9. Printing quality is affected due to skew media feed, if you hold the media only to readjust the position forcibly.

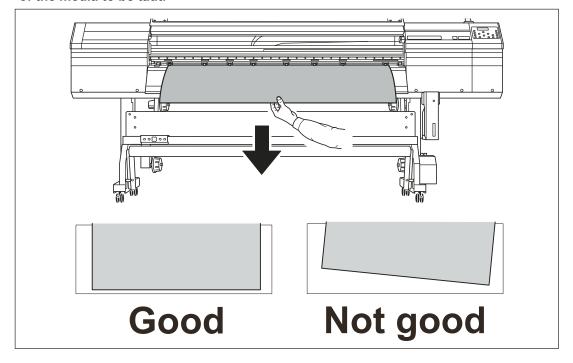
6 Place the middle pinch rollers.

POINT!

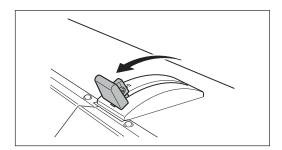
For the middle pinch rollers, choose positions that are as evenly spaced as possible with respect to the width of the media. The middle pinch rollers, however, cannot be lowered at any position other than above the grit rollers. You can vary the number of middle pinch rollers used according to the width and composition of the media. Increasing the number used makes media feed correspondingly more stable.



6 Hold the media at the center and pull it out, being sure to keep it straight and all areas of the media to be taut.

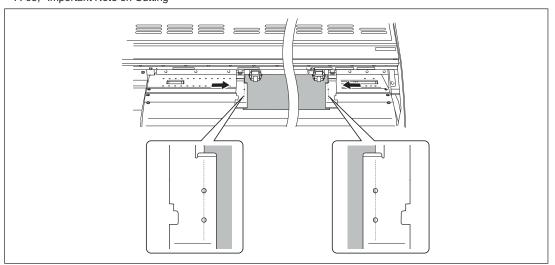


7



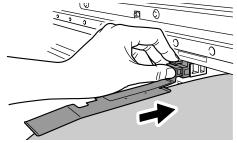
Pull the loading lever back toward you to secure the media in place.

- $oldsymbol{3}_{oldsymbol{\cdot}}$ Clamp the edges of the media with the media clamp.
- ① Move the left and right media clamps above the edges of the media.
 ② Line up the edges of the media with the centers of the holes of the media clamps.
 When you're performing cutting only, never use the media clamps.
 - P. 65, "Important Note on Cutting"



Important Note When Using the Media Clamps

Insert the media clamps firmly all the way until they engage with an audible click, and make sure they will not come loose. Incorrect mounting may cause the media to catch or snag and make correct printing impossible, or may lead to malfunction or poor output quality.



- Close the front cover.
- Press SET UP.

 The print-head carriage moves and detects the width of media. This operation is called initialization.

 When initialization ends, SET UP remains steadily lighted, and the printable width is displayed on the

IMPORTANT! Remove when not using roll media.

display screen. This completes loading of the media.

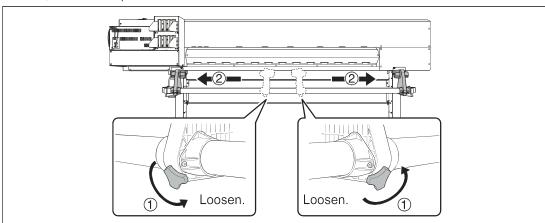
If roll media is allowed to stand unused in a loaded state for an extended period, the media may sag. This can cause poor printing quality and motor errors, so be sure to remove and store such media when not in use.

Loading the Sheet Media

Procedure

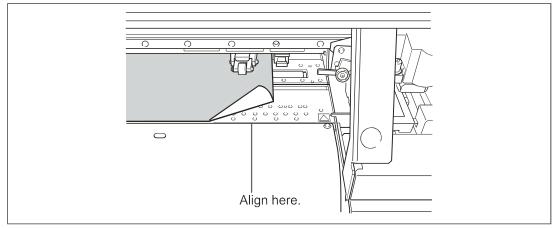
Move the media holders to the left and right.

Move them to a location where they don't disturb the media when the media is hung down from the rear of the machine. If they disturb the media, remove them with the shaft. For information on how to remove, refer to "Setup Guide."

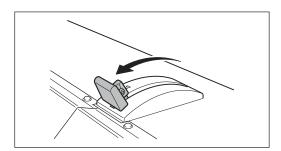


- Pass the media through the printer and secure the media holders.

 P. 39, "Loading Roll Media" Procedure 2. 10 to 5 of [Loading Roll Media]
- Align the front edge of the media with the location shown in the figure.



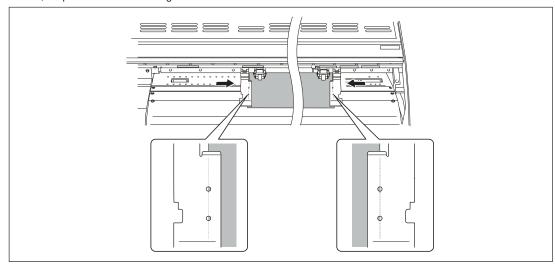
4



Pull the loading lever back toward you to secure the media in place.

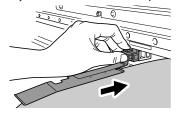
- **6** ① Move the left and right media clamps above the edges of the media.
 - ② Line up the edges of the media with the centers of the holes of the media clamps. When you're performing cutting only, never use the media clamps.

P. 65, "Important Note on Cutting"



Important Note When Using the Media Clamps

Insert the media clamps firmly all the way until they engage with an audible click, and make sure they will not come loose. Incorrect mounting may cause the media to catch or snag and make correct printing impossible, or may lead to malfunction or poor output quality.



- 6 Close the front cover.
- SETUP SHEET

 Press to select "PIECE."

 Press ENTER.
- Press SET UP.

 The print-head carriage moves and detects the width of media. This operation is called initialization.

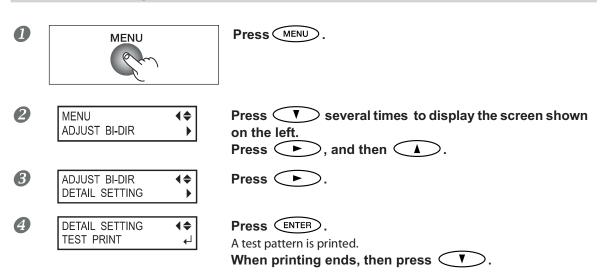
 When initialization ends, SET UP remains steadily lighted, and the printable width is displayed on the display screen. This completes loading of the media.

Performing the Initial Adjustment (Correcting for Misalignment in Bidirectional Printing More Precisely)

Perform the initial adjustment (correction for misalignment in bidirectional printing more precisely) of this machine. In the following case, perform this adjustment.

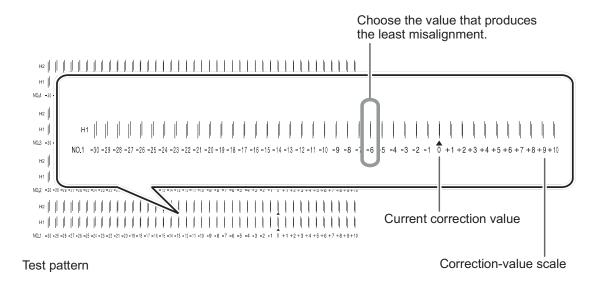
- > When using this machine for the first time
- > When changing the media to use for the first time
- ➤ When further correction is required to improve printing, such as when simple correction is performed for misalignment in bidirectional printing. P. 111, "Correcting for Misalignment in Bidirectional Printing"

1. Print a test pattern.



$2.\,$ Read the correction values from the test pattern.

Choose the value that produces the least misalignment of 2lines.



2 Operation

3. Enter the correction values that you read.

Enter the correction value for H1 and H2, respectively.

DETAIL SETTING SETTING NO. 1

Press .

P1 H2 ← ↓ ↓ ↓

Press to select H1 or H2.

Press to select the correction value.

Select the values that you read at the step 2. for correction values.

When correction value settings end, press ENTER.

This completes [SETTING NO.1]. Keep pressing and set the correction values for [SETTING NO.2] to [SETTING No.4] in the same manner.

B Press MENU → in this order to go back to the original screen.

About [Media Setting] menu

To ensure the optimal output according to the media size and type, various setting items are provided in this machine. However, it is hard work to perform these settings one by one referring to this document. So, this machine provides the [Media Setting] menu that guides these settings in the interactive mode. Using this menu, you can set all of the basic settings only by setting according to the instructions on the display. Since the setting details can be stored as the preset menu, you can promote your operation efficiently saving the setup steps when using the same type of media. Once storing the basic settings as the preset, you can do fine adjustment according to need.

The items set through the [Media Setting] menu can be also set individually.

Setup of Media ([Media Setting] menu)

- \triangleright Only Printing: Perform the procedure 1. to 6., and 10. to 11.
- > Printing & Cutting: Perform all the procedure 1. to 11.

Note: If any setting is not needed for each setting item, you can go to the next menu by selecting [NEXT].

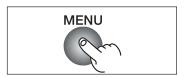
$oldsymbol{1}_{oldsymbol{\cdot}}$ Starting the [Media Setting] menu.

Load media.

Check that no sagging is found on the media. If any sagging exists, the followed correction value settings do not work effectively.

P. 39, "Loading Media"





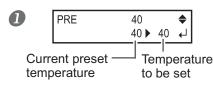
Press MENU

3



When the left figure is displayed, press ENTER.

$2.\,\,$ Set the temperature of preheater, print heater and dryer.





Press ENTER to enable the setting.

PRINT 40 40 ▶ 40

Use to set the temperature.

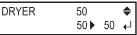
Recommended temperature: 40 °C

Press ENTER to enable the setting.

2

Basic Operation





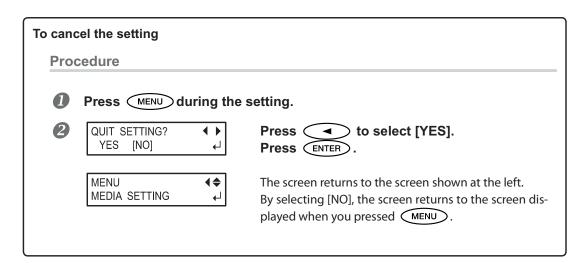
Use \(\lambda \) to set the temperature.

Recommended temperature: 50 °C

Press ENTER to enable the setting.

For the individual setting method of this setting item and the description, refer to P. 106, "Making the Temperature Setting for the Media Heating System"





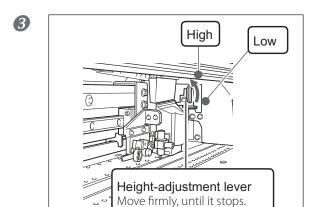
Adjusting the Head Height

1 HEAD HGT LOW [CHANGE] NEXT

to select [CHANGE]. Press < ◀ Press ENTER to enable the setting.

2 HEAD HEIGHT LOW > LOW

When the left figure is displayed, open the front cover.



Move the height-adjustment lever to adjust the head height.

When moving to the [High] direction, the buzzer sounds twice, and to the [Low] direction, the buzzer sounds once.



Normally set to [Low]. For the media that is wrinkled and comes loose from the platen, set to [High].

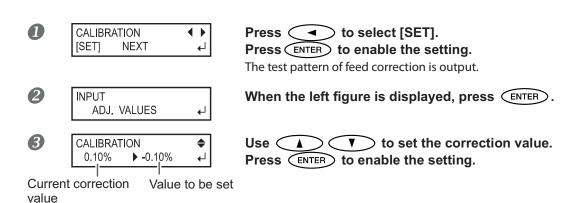
For the individual setting method of this setting item and the description, refer to P. 114, "Adjusting Head Height to Match Media Thickness"

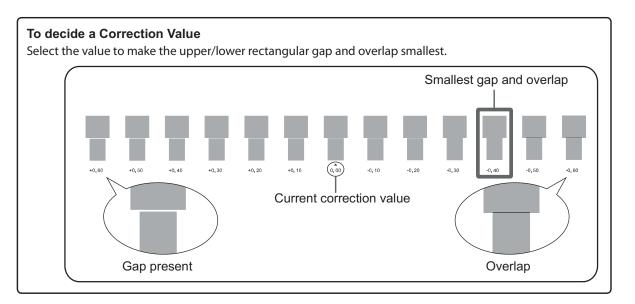
4. Perform the position correction of feed direction (Alleviate Horizontal Stripes).

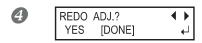
2

POINT!

Feed direction means the feed direction of the media. Perform the correction adjusting to the media in advance because horizontal stripes are more likely to occur during printing when the movement distance of the media changes subtly depending on the media's thickness.







[To confirm again/To adjust again] Press to select [YES].

Press ENTER to enable the setting.

The test pattern of feed correction is output again. Go back to the procedure 3 and set again.

[To go to the next after correction is completed]

Press **b** to select [DONE].

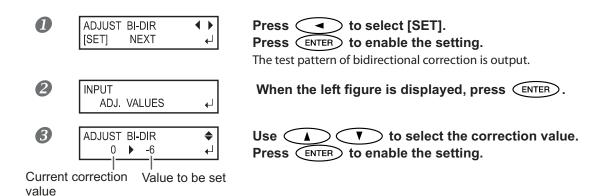
Press ENTER to enable the setting.

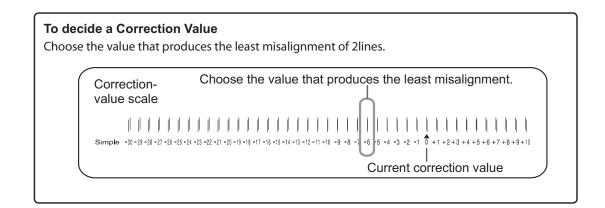
For the individual setting method of this setting item and the description, refer to P. 112, "Alleviating Horizontal Bands and the Like (feed correction function)"

5. Performing the correction for misalignment in bidirectional printing

(POINT!)

This machine prints by the bidirectional mode (in which the heads perform printing during both their outbound pass and return pass). This printing method is called "Bidirectional Printing." This method offers the advantage of being able to shorten output times, but subtle misalignment occurs during the outbound and return passes. The procedure to correct this and eliminate misalignment is "Bidirectional Correction."









[To confirm again/adjust again]

Press to select [YES].

Press ENTER to enable the setting.

The test pattern of bidirectional correction is output again. Go back to the procedure 3 and set again.

[To go to the next after correction is completed]

Press **b** to select [DONE].

Press ENTER to enable the setting.

For the individual setting method of this setting item and the description, refer to P. 111, "Correcting for Misalignment in Bidirectional Printing"

2

Operation

6. Deciding to perform the setting for cutting or not



[Only Printing]

Press boselect [NEXT].

Press ENTER to enable the setting.

Go to Procedure 10.

[Printing & Cutting]

Press to select [SET].

Press ENTER to enable the setting.

Go to Procedure 7.

7. Setting the blade force



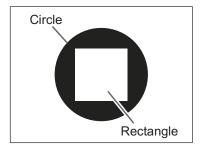
For high-quality cutting, perform a cutting test to check the cutting quality for the media and adjust the blade force.



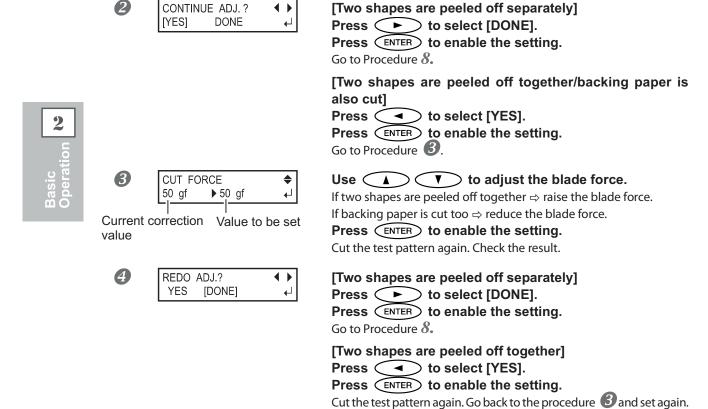


Press to select SET].

Press ENTER to enable the setting.



The test pattern is cut. Circle and rectangle are cut. Peel off the two shapes.



For the individual setting method of this setting item and the description, refer to P. 121, "Fine-tuning the Cutting Conditions"

8. Correcting Misalignment for Printing and Cutting



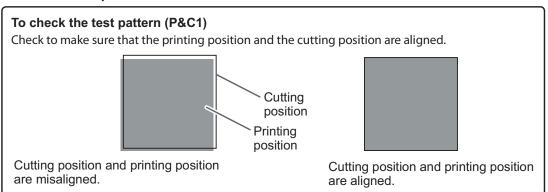
Subtle misalignment between the printing and cutting positions may occur due to the thickness of the media or the head height. We recommend making correction to match the media you're using.



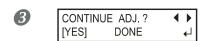
Press to select [SET].

Press ENTER to enable the setting.

The test pattern (P&C1) is printed and cut. The test pattern is printed at three locations on the media: at the two edges and in the center.







[Cutting position and printing position are aligned] Press ► to select [DONE].

Press (ENTER) to enable the setting.

Go to Procedure 9.

[Cutting position and printing position are not aligned]

Press ENTER to enable the setting.

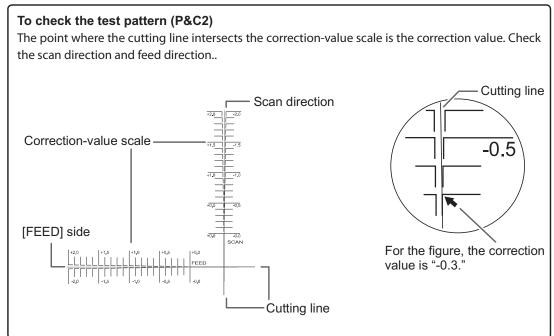
The test pattern (P&C2) for setting the correction values is printed and cut. Go to Procedure 4.

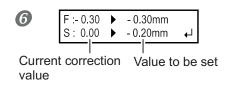
4 INPUT ADJ. VALUES

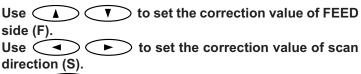
When the left figure is displayed, press ENTER.



Check the correction values from the test pattern condition.







Press (ENTER) to enable the setting.

The test pattern (P&C1) is printed and cut again. Check the condition of test pattern to check that the printing position and the cutting position are aligned.



[Cutting position and printing position are aligned] Press ► to select [DONE]. Press (ENTER) to enable the setting. Go to Procedure 9.

[Cutting position and printing position are not aligned] Press to select [YES].

Press ENTER to enable the setting.

Go back to Procedure 6, fine-tune the adjustment value, and then repeat Procedure 6 and 7 until the optimal alignment is got.

For the individual setting method of this setting item and the description, refer to P. 134, "Correcting Misalignment for Printing and Cutting Position When Using Crop Marks"

Correcting Misalignment for Printing and Cutting Position When Using Crop Marks.

POINT!

When you remove the printed media, and then reload it and perform cutting, use the crop marks. For this case, correction is to be performed because the positioning of printing and cutting may be misaligned even when you're using crop marks depending on the composition of the media.





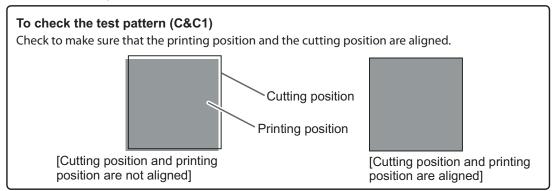
[To perform consecutive printing and cutting] Press **b** to select [NEXT]. Go to Procedure 10.

[To perform printing and cutting separately]

Press **→** to select [SET].

Press (ENTER) to enable the setting.

The test pattern (C&C1) is printed and cut. Go to Procedure 2.





[Cutting position and printing position are aligned]

Press **b** to select [DONE].

Press (ENTER) to enable the setting.

Go to Procedure 10.

[Cutting position and printing position are not aligned]

Press (ENTER) to enable the setting.

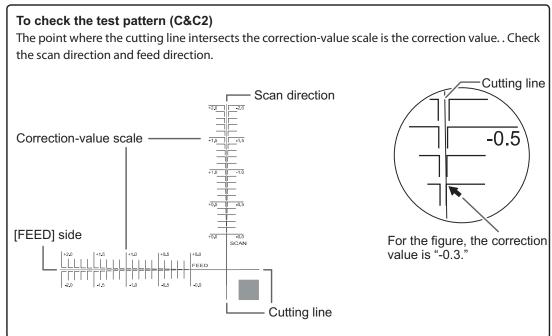
The test pattern (C&C2) for setting the correction values is printed and cut.

4 INPUT ADJ. VALUES

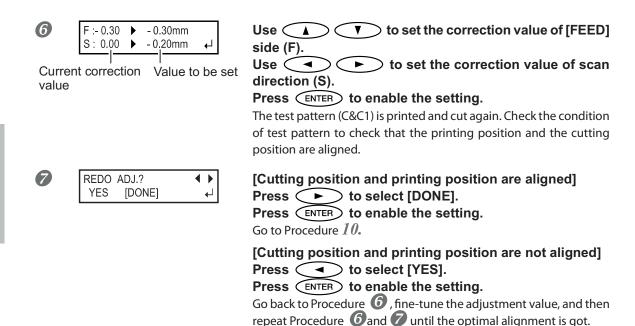
When the left figure is displayed, press ENTER.



Check the correction values from the test pattern condition.







For the individual setting method of this setting item and the description, refer to P. 125, "Correcting Misalignment of the Printing and Cutting Positions"

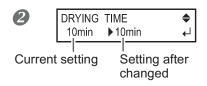
10.Setting the Drying Method and Time after Printing



POINT! Drying Method after Printing

After the 1st page is printed, set that the media should be fed until the trailing edge of the printed area is positioned directly on the dryer. To make sure to dry the entire printed area, select [ENABLE]. If [DISABLE] is selected, the trailing edge of the printing area is not fed to the dryer unless you continue with a subsequent printing operation.

For the individual setting method of this setting item and the description, refer to P. 108, "Drying the Trailing Edge of the Printing Area on the Dryer"





Example of setting time (general guide):

- *The setting time varies according to the settings of type of media and printing quality.
- <Condition> Output accompanying pull-back; use the middle pinch rollers; non-coated vinyl media
- <Setting time> about three minutes

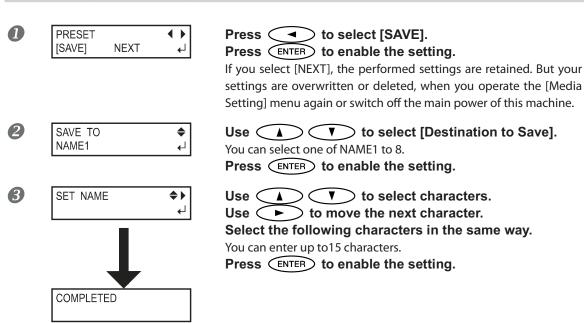
Press ENTER to enable the setting.



Set the drying time after the 1st page is printed. The next operation is not started until the set time passes.

For the individual setting method of this setting item and the description, refer to P. 109, "Setting the Drying Time after Printing"

11. Saving the Setting as Preset



For the individual setting method of this setting item and the description, refer to P. 102, "Saving Various Settings as a Name Assigned Preset"

This completes the operation of the [Media Setting] menu.

Setting the Output-start Location

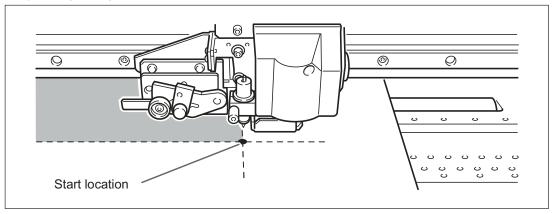
You can set the output-start location at any location you prefer. (You can output if you do not set this.) Note, however, that this setting must be made for each individual page.

Procedure

Open the front cover.



Only cutting carriage moves.



3 When the location is set, press (BASE POINT).



(BASE POINT) remains steadily lighted and when the screen displays the character "B" together with the output-possible width at the location, setting is completed.

POINT!

Note, however, that the left and right positions are not restored to their defaults for test patterns. If you're using the media take-up unit, never adjust by pressing . Doing so may pull the media with undue force, resulting in an error or malfunction.

Basic Operation

Printing Tests and Normal Cleaning

Before you carry out actual printing, we recommend performing a printing test to ensure no dot drop-out occurs. If dot drop-out occurs, perform cleaning of the print heads (Normal Cleaning).

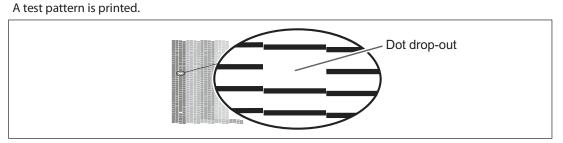
How to Perform a Printing Test

Procedure

Setting the Output-start Location.

P. 62, "Setting the Output-start Location"

2 Holding down (TEST PRINT) for one second or longer.



How to Perform a Normal cleaning

Procedure

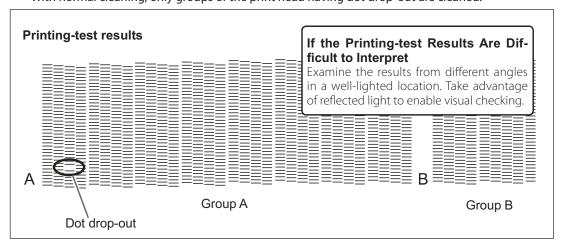
1 Press CLEANING.



2

Operation

3 Check the group with dot drop-out by viewing the printing-test results. With normal cleaning, only groups of the print head having dot drop-out are cleaned.

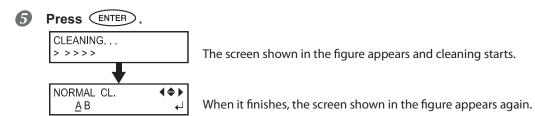


Press to choose the group of heads that is not to be cleaned.

Press to get rid of the group display.

Repeat this procedure to display the groups of only the heads that require cleaning.

Only groups that is either A or B is displayed are objective for cleaning.



- 6 Press MENU In this order to go back to the original screen.
- Perform a printing test again to make sure the dot drop-out has been corrected.

 If the problem persists, try performing cleaning a second time. If the printer has been used for a long period, the problem may persist even after two or three-cycle cleaning. Then try cleaning using a different method.

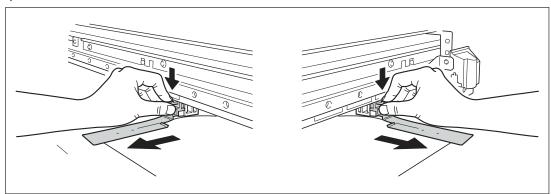
 P. 80, "When Normal Cleaning Is Not Effective"

When you want to clean all heads simultaneously

Hold down CLEANING for one second or longer. Cleaning for all heads starts automatically.

When you're performing cutting only, never use the media clamps.

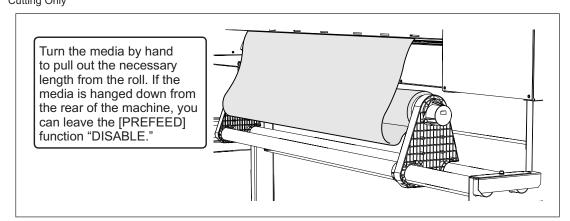
When you're performing cutting only, remove the media clamps or move to the locations where they don't clamp the media.



When using the roll media and only performing cutting, let the media hang down to the rear of the machine. (or set the [PREFEED] menu to "ENABLE.")

This prevents a motor error or fall of the roll because the media is pulled with excessive force.

For the [PREFEED] menu, refer to P. 120, "Preventing Pulling of the Media with Undue Force When Performing Cutting Only"



When you're performing printing followed immediately by cutting (Print and Cut), then before you start cutting, allow the ink to dry sufficiently.

Use your software RIP to make the setting for the drying time. For information on how to make the setting, refer to the documentation for the software RIP you're using. The drying time varies according to the media.

2 Basic Opera

Setting The Cutting Test And The Blade Force

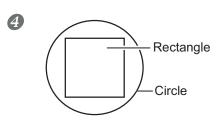
For high-quality cutting, then before you perform actual cutting, we recommend carrying out a cutting test to check the cutting quality for the media. Adjust the blade force depending on the cutting quality.

$oldsymbol{1}_{oldsymbol{\cdot}}$ Carrying out the cutting test

- Press to move the cutting carriage to the location where you want to carry out the cutting test.

 You can freely set the location for the cutting test.
- Close the front cover.
- Hold down (TEST CUT) for one second or longer..

 The test pattern is cut.



Peel off the cut shapes to verify the cutting quality. [Two shapes are peeled off separately]

You do not need to perform the setting because the blade force is appropriate.

[Two shapes are peeled off together/backing paper is also cut]

Go to the next Procedure to set the blade force.

2. Setting the blade force.

- 1 Press CUT CONFIG.
 - FORCE
 50 gf

 Two shapes are peeled off together]
 Raise the blade force.

 [Backing paper is also cut]
 Reduce the blade force.

Press ENTER to enable the setting.
Go back to the original screen.

Pressing CUT CONFIG enters the cutting configuration menu. You can also make the settings for other cutting conditions in addition to the blade force. Refer to the following pages. Refer to the following pages.

P. 121, "Fine-tuning the Cutting Conditions"

Getting Ready to Receive Data from a Computer

When P. 39, "Loading Media" and P. 51, "Setup of Media" are completed, get ready to receive the data from a computer.

ACAUTION

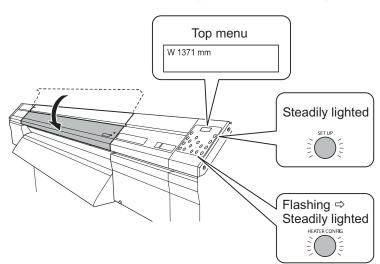
Never touch the print heads while output is in progress.

The print heads move at high speed. Hitting may cause injury.

Procedure

- Close the front cover.
- Make sure (SET UP) stays steadily lit.

 If (SET UP) is not lit, pull the loading lever and press (SET UP).
- **3** Wait until (HEATER CONFIG Stays steadily lit.
- Make sure the top menu is displayed.
 If the top menu is not displayed, press MENU, then press <</p>
 ■.



POINT!

Output Is Not Possible in These Situations

- The machine does not run when the front cover is open.
- ➤ Never open it when printing is in progress. Doing so interrupts printing.
- Data from the computer is not accepted when SET UP is dark.
- ➤ Printing does not start until FATER CONFIG lights up. (If all of the pre-heater, print-heater, and dryer are set to "OFF," printing is possible even if FEATER CONFIG is not lit.)
- Data from the computer is not accepted when you are not at the top menu.

2 Basic Operation

Starting Output

When the operation of P. 67, "Getting Ready to Receive Data from a Computer" is completed, you can start output. To output, the following procedure is required.

1 Creating Output Data

Create the output data using the application software like Adobe Illustrator and like that. For information on how to create the data, refer to the documentation of your application software.

2 Sending the Output Data to This Machine Using the Software RIP.

Use the included software RIP "Roland VersaWorks." For information on how to install and use Roland Versa-Works, refer to "Roland VersaWorks Quick Start Guide" and HELP of Roland VersaWorks. If using the white ink and metallic silver ink, refer to "Special Color Ink Guide."

IMPORTANT! Points that must be observed

- ➤ Be sure to set the media clamps during printing. Otherwise the edges of the media may warp and catch on the print heads.
- > During output, never touch the media that's already been discharged. Doing so may obstruct media feed or cause the media to rub against the heads, which may result in a paper jam or damage to the heads.
- > Press back the loading lever when the machine is not in use.

POINT!

If Ink Runs Out

When ink runs out, a warning beep sounds and a slot number of which ink runs out is displayed on the display screen. Exchange the ink cartridge.

P. 75, "How to Replace Ink Cartridges"

Before you perform lengthy printing, check the amount of ink remaining in the ink cartridges.

Before you perform lengthy printing, check the amount of ink remaining in the ink cartridges. When ink runs out and printing is paused, the coloring at the seam may be altered when printing resumes.

P. 74, "Checking for Remaining Ink"

Pausing and Canceling Output

You can pause and cancel printing before it finishes. We do not recommend resuming printing because horizontal stripes are produced at the place where output stopped.

Procedure

Press PAUSE before output finishes.

This pauses printing operation.

Press (PAUSE) again to resume printing.

To cancel the output, go the next Procedure without pressing (PAUSE)

TO CANCEL, HOLD DOWN SETUP KEY

When the screen shown in the figure appears, hold down (SET UP) for one second or longer.



This cancels printing operation.

Stop sending the output data from the computer.

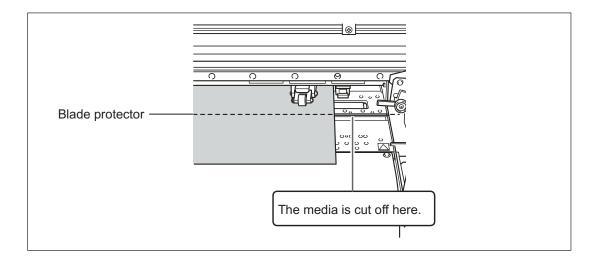
Cutting Off the Media

Procedure

- Close the front cover.
- Make sure (SET UP) lights up.
- Hold down SHEET CUT for one second or longer.



When the media clamps are attached, the screen shown in the figure appears. Open the front cover, remove the right and left media clamps, and then press ENTER



You can make the setting in the software RIP for automatic media cutoff after printing or cutting has finished. For information on how to make the setting, refer to the documentation for the software RIP you're using.

IMPORTANT! Cut-off Operations

- ➤ Be sure to detach the media clamps. Performing cutoff with the media clamps remaining attached may cause the operation to be interrupted due to detection of the media clamps.
- > If the media clamps are present on the machine when the setting to execute automatic cutoff of the media is made on the computer, the media clamps are detected and no cutoff operation is performed
- ➤ Before you're performing cutoff, never use to pull the media back. Unless the end of the media has been pulled out to a location to the front of the platen, cutoff may not be performed smoothly.

[IMPORTANT!] Give Attention to Media Composition

- > For some types of media, cutoff is not possible.
- > Some types of media may remain on the platen after cutoff. If the media remains on the platen, remove it by hand.

Switch Off

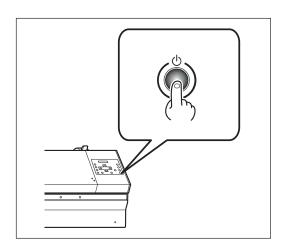
AWARNING

When output is not being performed, remove any loaded media or switch off the sub power.

The continued application of heat at a single location may cause the release of toxic gases from the media or pose a fire hazard.

Procedure



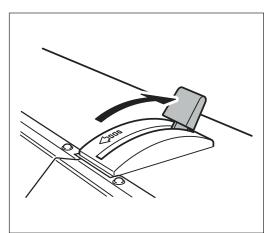


Hold down the sub power button for one second or longer.

The sub power is turned off. Perform this process after output is finished.







Press back the loading lever.

Press back the loading lever when the machine is not used even if the power is not turned off.

IMPORTANT!

Leave the main power switched on at all times.

Never switch off the main power. By switching on the main power, the automatic maintenance function is carried out periodically. If the automatic maintenance is not carried out, it may result in breakdown of this machine such as breakdown of the print heads.

Never switch off the main power or unplug the power cord suddenly while operation is in progress.

Switching off the main power or unplugging the power cord suddenly while operation in progress may damage the print heads. Be sure to first switch off the sub power.

If the main power is accidentally switched off, immediately turn the power back on.

3 Main

Chapter 3 Maintenance:

For always using the printer in the best condition

Checking for Remaining Ink and Replacing Cartridges	74
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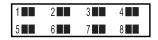
Procedure





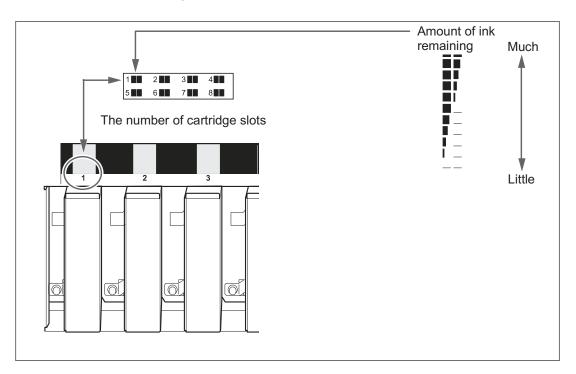
Press several times until the screen shown on the left appears.

Press .



indicates the amount of ink remaining. When there are more , the amount of ink remaining is larger.

* The display shows an approximate guide to the amount of remaining ink. It may differ somewhat from the actual amount remaining.

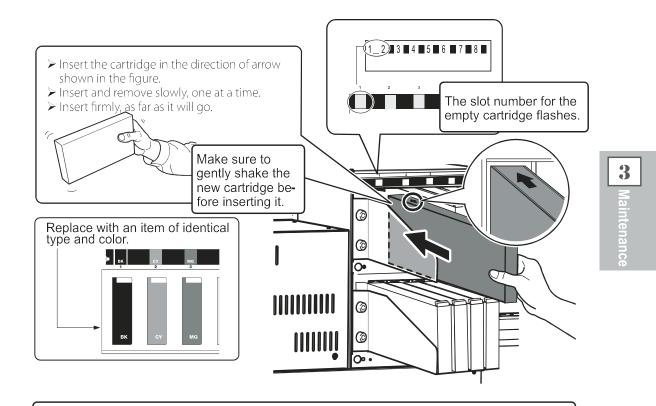


3 Press MENU in this order to go back to the original screen.



How to Replace Ink Cartridges

When ink runs out, a warning beep sounds and printing pauses (unless the factory default settings have been changed). Pull out the empty cartridge and insert a new one. Printing resumes.



IMPORTANT! Important Notes on Replacing Cartridges

- Insert and remove slowly, one at a time.
- > Be sure to replace with an item of identical type.
- Never use an ink cartridge which has already been used in other machines even if it is of the identical type.
- > Never mix items of different types.
- ➤ Never allow the machine to stand with an ink cartridge removed. The print heads may become clogged.
- ➤ Never insert or remove a partially used ink cartridge.
- Never remove an ink cartridge suddenly while the printer is in operation.

MARNING

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

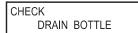
- ➤ Any location exposed to open flame
- > Any location where high temperature may occur
- Near bleach or any other such oxidizing agent or explosive material
- > Any location within the reach of children

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

75

Maintenance that Should Be Performed Daily

Disposing of Discharged Ink



The drain bottle collects discharged fluid. Dispose of collected material before the bottle becomes full. The message shown in the figure appears when a certain amount of discharged fluid has collected in the bottle. Follow the procedure below to discard the discharged fluid.

Procedure



When the message shown in the figure appears, press (ENTER).

- 2 Press MENU.

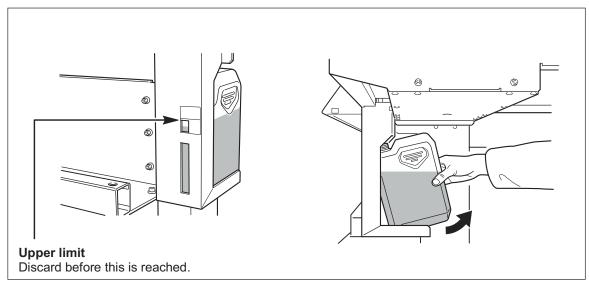
Press veral times until the screen shown on the left appears.

- Press , and then
- Press , and then .

Press ENTER.

6 EMPTY ↓
DRAIN BOTTLE ↓

When the screen shown on the left appears, detach the bottle, discard the discharged fluid to empty it.



ACAUTION

Before you detach the drain bottle, be sure to wait for the screen to display "EMPTY DRAIN BOTTLE."

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



Press MENU in this order to go back to the original screen.

MARNING Never place discharged fluid near open flame.

Doing so may cause fire.

ACAUTION

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

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

Dispose discharged fluid properly, in accordance with the laws in effect in your local.

Discharged fluid is flammable and contains toxic ingredients. Never attempt to incinerate discharged fluid or discard it with ordinary trash. Also, do not dispose of it in sewer systems, rivers, or streams. Doing so may have an adverse impact on the environment.

Cleaning

∆WARNING

Never use gasoline, alcohol, thinner, or any other flammable material.

Doing so may cause fire.

ACAUTION

Before attempting cleaning, switch off the sub power and wait until the platen and dryer cool (approximately 30 minutes).

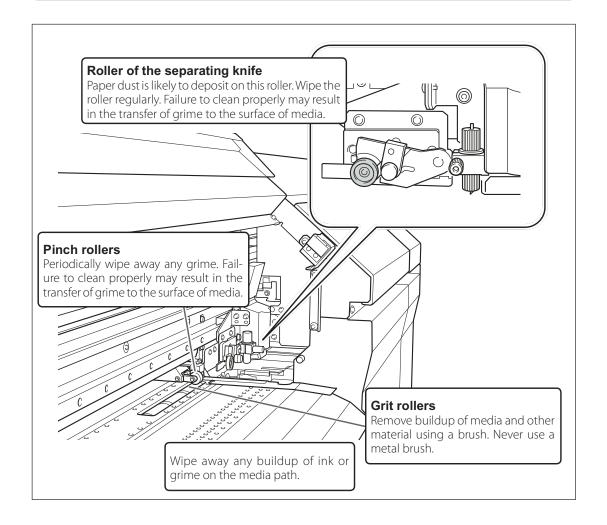
Sudden movement of the machine may cause injury, or hot components may cause burns.

Wipe away any buildup of ink or grime on the media path and other locations as daily cleaning. In particular, the pinch rollers, grit rollers, and platen are likely to get a buildup of grime. Clean by wiping with a cloth moistened by neutral detergent diluted with water then wrung dry.

POINT!

This machine is a precision device, and is sensitive to dust and dirt. Perform cleaning on a daily basis.

Never attempt to oil or lubricate the machine.



About Care and Maintenance of Print Heads

Care of the print heads is essential to ensuring optimal printing at all times. There are daily care and periodic care.

Daily Care and Maintenance

> Test print and normal cleaning

It is recommended to perform the normal cleaning before daily operation.

P. 63, "Printing Tests and Normal Cleaning"

Periodic Care and Maintenance

> Medium cleaning/Powerful cleaning

Perform the medium cleaning or powerful cleaning when the problems such as dot drop-out are not cleared up by the normal cleaning.

- P. 80, "Medium Cleaning"
- P. 81, "Powerful Cleaning"

> Manual Cleaning of Print Heads

Based on your frequency of use, perform the manual cleaning periodically.

- P. 83, "Manual Cleaning of Print Heads"
- * The print heads are components that wear out. Periodic replacement is required, with the frequency of replacement depending on use. Purchase them from your authorized Roland DG Corp. dealer.

3

Maintenance

When Normal Cleaning Is Not Effective



Note, however, that the medium and powerful cleaning consumes more ink than normal cleaning, and too-frequent use may damage print heads themselves. Avoid using it more than necessary.

Medium Cleaning

Perform the more powerful "medium cleaning" to solve a print head jam when the problems such as dot dropout are not cleared up by the normal cleaning (P. 63, "Printing Tests and Normal Cleaning") occur.

Procedure

- Perform a printing test.
 - P. 63, "How to Perform a Printing Test"When a printing test is completed, be sure to remove the media.
- 2 Press CLEANING.
- CLEANING
 MEDIUM CL.

 Press

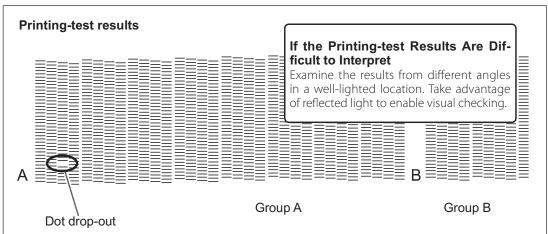
 ▼ to display the left figure.

 Press

 Press

 .
- Check the group with dot drop-out by viewing the printing-test results.

 With medium cleaning, only groups of the print head having dot drop-out are cleaned.

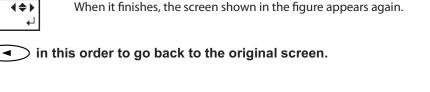


Press to choose the group of heads that is not to be cleaned.

Press to get rid of the group display.

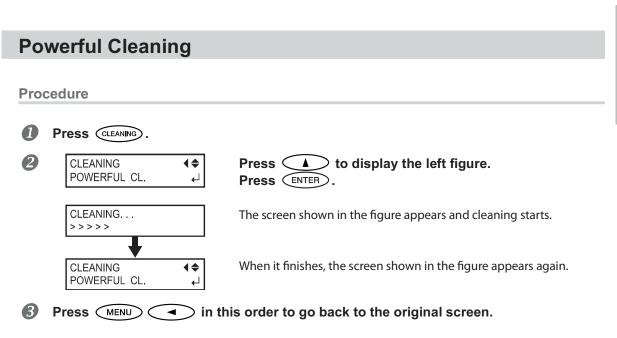
Repeat this procedure to display the groups of only the heads that require cleaning.

Only groups that is either A or B is displayed are objective for cleaning.



The screen shown in the figure appears and cleaning starts.

Perform stronger "powerful cleaning" when the problems such as dot drop-out are not cleared up by the medium cleaning.



When Powerful Cleaning Is Not Effective

When the problems such as dot drop-out are not cleared up even by performing powerful cleaning several times, perform "Manual Cleaning of Print Heads." Such cleaning can be effective when carried out periodically, according to the frequency of use.

P. 83, "Manual Cleaning of Print Heads"

Press ENTER.

CLEANING...

MEDIUM CL.

ΑВ

Press MENU

(\$)

>>>>

Maintenance that Should Be Performed More Than Once a Month

When Manual-Cleaning Becomes Necessary

Perform the manual cleaning more than once a month.

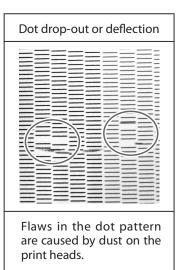
To keep the stable output condition at all times, perform the manual cleaning more than once a month. The manual cleaning takes approximately 10 minutes.

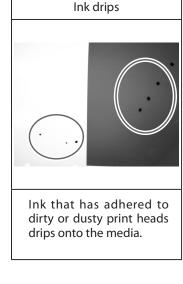
The manual cleaning is recommended when the following symptoms occur.

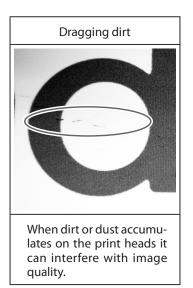
It is recommended to perform the manual cleaning when any of the symptoms given below occurs and it cannot be solved by the automatic cleaning functions such as the normal cleaning.

For your information, replacement of the wiper or felt wiper is also effective to improve the symptoms.

- P. 89, "Replacing the Wiper"
- P. 92, "Replacing the Felt Wiper"







- > When the cleaning stick and cleaning liquid for the manual cleaning runs out, place an order for them with your authorized Roland DG Corp. dealer.
- > The print heads are components that wear out. Periodic replacement is required, with the frequency of replacement depending on use. Purchase them from your authorized Roland DG Corp. dealer.

Manual Cleaning of Print Heads

IMPORTANT!

Important Notes on This Procedure

- > Before attempting this operation, remove any media.
- > To prevent the heads from drying out, finish this procedure in 30 minutes or less. A warning beep sounds after 30 minutes.
- > Never use any implement other than the included cleaning stick. Cotton swabs or other lintproducing items may damage the heads. If you use up the cleaning stick, purchase a new one from your authorized Roland DG Corp. dealer.
- > Use one cleaning stick per cleaning session, then discard the stick after use. Reusing cleaning sticks may reduce printing quality.
- > Do not put the cleaning stick used for cleaning into the cleaning liquid. It will deteriorate the liquid.
- ➤ Never rub the nozzle surface of the print heads.
- > Stroke the sponges very gently, applying as little pressure as possible. Never rub, scrape, or crush them.

When a warning beep sounds during cleaning

A warning beep sounds in 30 minutes after the operation is started. At this time, stop work, and follow the procedure in step 3 on page 86 to attach cover L and cover R, then close the front cover. Press (ENTER) to quit the manual-cleaning menu. After that, restart the procedure from the beginning.

ACAUTION

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

Sudden movement of the machine may cause injury.

Change to the print-head manual-cleaning menu.

- Remove any media
- Press MENU).
- **MENU ♦** SUB MENU

> several times until the screen shown on the left appears.

Press (►), and then (

4 SUB MENU MAINTENANCE

Press (

MAINTENANCE **5 ♦** CLEANING

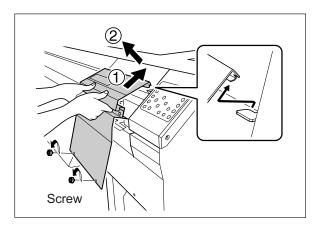
Press ENTER).

The print-head carriage moves to the left side of the machine.

6

OPEN COVER R

When the screen shown on the left appears, open the cover R.

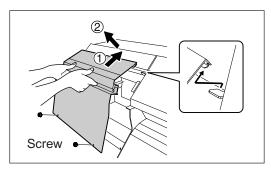


Remove the screws, lift the cover R in the direction of 1, and then pull it out in the direction of 2.

7

OPEN COVER R

Open the cover L.

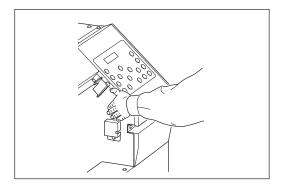


Remove the screws, lift the cover R in the direction of (1), and then pull it out in the direction of (2).

FINISHED? ←

Preparations are complete when this screen appears.





Touch the location shown in the figure to discharge any static electricity.

2. Clean using the cleaning stick.

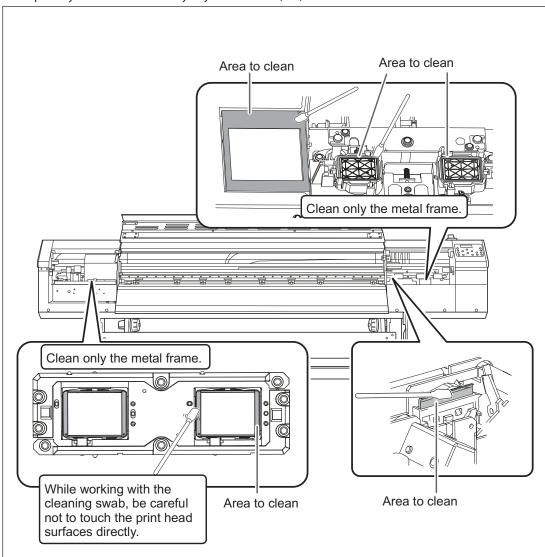
1



Moisten the cleaning stick with the cleaning liquid.

2 Perform cleaning in the place shown in the figure below.

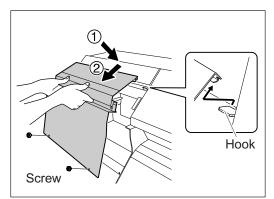
Be especially careful to clean away any fibrous dust (lint).



3 Mainten

3. Reattach cover L, cover R, and quit the manual cleaning menu.

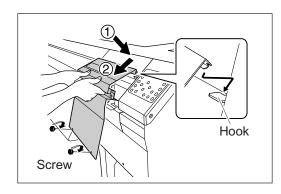




Attach the cover L.

Lower the cover L in the direction of ①, engage it with the hook, and then lower it in the direction of ②. Finally secure it with the screws.

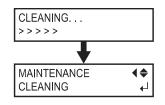




Attach the cover R.

Lower the cover L in the direction of ①, engage it with the hook, and then lower it in the direction of ②. Finally secure it with the screws.

3 Press ENTER.



The screen shown in the figure appears and cleaning starts.

When it finishes, the screen shown in the figure appears again.

4. Perform a printing test to verify the results of the procedure.

Perform a printing test to check the results.

Perform cleaning using the machine's cleaning feature several times when necessary.

P. 63, "Printing Tests and Normal Cleaning"

When Problems Such As Dot Drop-out are Not Cleared Up

When Problems Such As Dot Drop-out are Not Cleared Up

When flaws in the dot pattern such as dot drop-out are not cleared up even after performing cleaning using the cleaning function (normal, medium, or powerful) or manual cleaning, perform the operation described below.

IMPORTANT!

A large amount of ink will be discharged during this operation. Perform this operation only when dot drop-out cannot be cleared up even after performing cleaning using the cleaning function (normal, medium, or powerful) or manual cleaning.

- P. 76, "Maintenance that Should Be Performed Daily"
- P. 80, "When Normal Cleaning Is Not Effective"
- P. 82, "Maintenance that Should Be Performed More Than Once a Month"

Procedure

Discard the discharged fluid in the drain bottle.

By referring to P. 76, "Disposing of Discharged Ink", dispose of the discharged fluid. Start from step **2**.



△CAUTION

Be sure to discard the discharged ink at this step.

A large amount of ink will be discharged during this operation. Be sure to discard the discharged ink at this step. If you do not discard the discharged ink at this step, the discharged ink might overflows from the drain bottle during the subsequent process..

- Press ENTER
- 3 **MENU** SUB MENU

several times until the screen shown on the left appears.

Press (►).

Press (twice.

- 4 SUB MENU INK CONTROL
-), and then (🛕
- INK CONTROL INK RENEWAL
- Press **←**

EMPTY 6 DRAIN BOTTLE

Check that the drain bottle is empty and press (ENTER).

RENEWING INK... >>>> INK CONTROL **♦** INK RENEWAL

The screen shown in the figure appears.

When it finishes, the screen shown in the figure appears again.

Press (MENU) in this order to go back to the original screen.

POINT! Cleaning of the head surface as an emergency measure

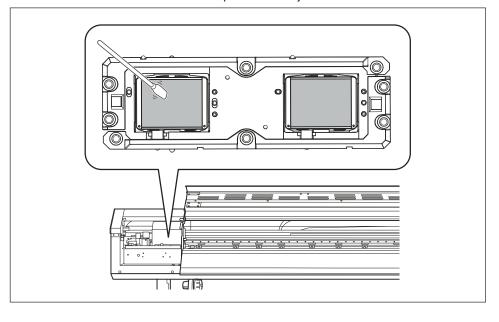
When dot drop-out and/or dot deflection is not improved even if cleaning is performed several times, you can clean the head surface as an emergency measure. Since the head surface (nozzle surface) has an extremely delicate mechanism, make sure to perform the operation carefully and deliberately. Note that this operation is an emergency measure. It may damage defect-free parts depending on the symptom, deteriorating it. If you have any questions, contact your authorized Roland DG Corp. dealer.

Procedure

- Moisten the cleaning stick with the cleaning liquid.
- 2 Softly press the cleaning stick to the head surface (nozzle surface).

 Press it gently and softly so that the head nozzle is permeated with the cleaning liquid.

 Never rub the stick on the surface and press it forcibly.



Replacing Consumable Parts

Replacing the Wiper

The wiper is a component that you use when cleaning the print heads. When the screen displays a message like the one shown, it means the item needs to be replaced. Replace with new items.



Regarding the purchase of the wiper, contact your authorized Roland DG Corp. dealer.

ACAUTION

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

Sudden movement of the machine may cause injury.





TIME FOR WIPER REPLACE ↓ When the message shown in the figure appears, press ENTER).

- 2 Remove any media from the platen.
- 3 Press MENU.
- 4

Press veral times until the screen shown on the left appears.

Press , and then

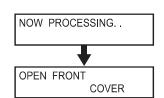
SUB MENU

MAINTENANCE

◆

Press , and then

Press ENTER.



The print-head carriage moves to a location where wiper replacement is possible, and then the screen shown in the figure appears.

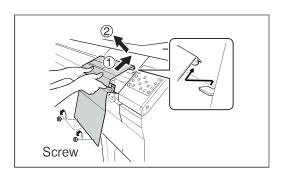
Open the front cover.

3

Maintenance

OPEN COVER R

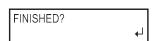
When the screen shown on the left appears, open the cover R.



Remove the screws, lift the cover R in the direction of ①, and then pull it out in the direction of ②.

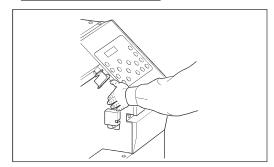
3

(



Preparations are complete when this screen appears.

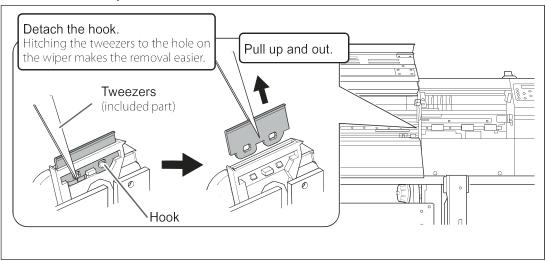
9



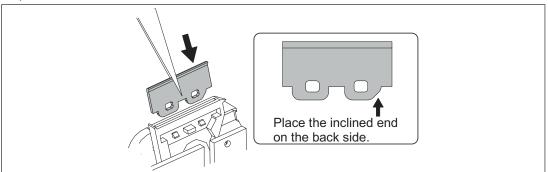
Touch the location shown in the figure to discharge any static electricity.

2. Replace the wiper.

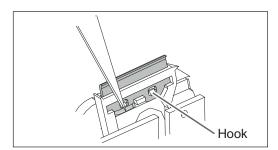
Detach the old wiper.



Place the inclined end on the back side. If the wiper is placed inversely, the proper cleaning becomes impossible.



3



Attach the hook.

Make sure to attach the hook. Otherwise it cases dot-drop out or else.

Maintena

- 3. Quit the wiper replacement menu.
- Attach the cover R.
- Close the front cover.
- 3



Press ENTER.

After the process to quit the wiper replacement menu, the screen shown in the figure appears.

- Press MENU in this order to go back to the original screen.
- 4. Perform a printing test to verify the results of the procedure.

Perform a printing test to check the result.

P. 63, "Printing Tests and Normal Cleaning"

Replacing the Felt Wiper



The felt wiper is the part used for cleaning of the print heads. When such the screen is displayed on the display screen, it is the time for replacement. Replace it with a new item.

Regarding the purchase of the felt wiper, contact your authorized Roland DG Corp. dealer.

ACAUTION

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

Sudden movement of the machine may cause injury.



- TIME FOR FELT REPLACE
- When the message shown in the figure appears, press (ENTER).
- Remove any media.
- 3 Press MENU).

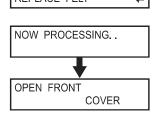
Press veveral times until the screen shown on the left appears.

Press , and then

SUB MENU
MAINTENANCE

Press V twice.

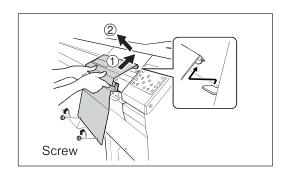
Press ENTER



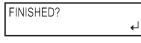
The print-head carriage moves to a location where felt wiper replacement is possible, and then the screen shown in the figure appears.

- Open the front cover.
- OPEN COVER R

When the screen shown on the left appears, open the cover R.



Remove the screws, lift the cover R in the direction of ①, and then pull it out in the direction of ②.



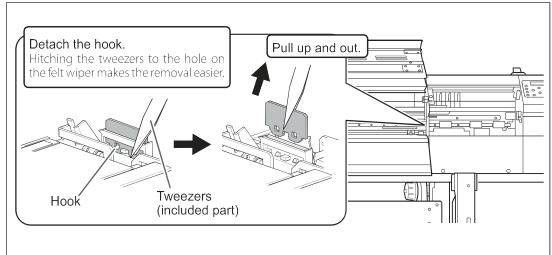
Preparations are complete when this screen appears.



Touch the location shown in the figure to discharge any static electricity.

2. Replace the felt wiper.

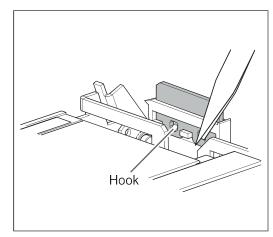
Detach the old felt wiper.



2

Insert the new felt wiper.

3



Attach the Hook.

Make sure to attach the hook. Otherwise it cases dot-drop out or else.

3. Quit the felt wiper replacement menu.

- Attach the cover R.
- Close the front cover.

GLEANING...
>>>>

MAINTENANCE
REPLACE FELT

Press ENTER.

After the process to quit the felt wiper replacement menu, the screen shown in the figure appears.

- Press MENU in this order to go back to the original screen.
- **4.** Perform a printing test to verify the results of the procedure.

Perform a printing test to check the result.

P. 63, "Printing Tests and Normal Cleaning"

Replacing the Blade

If the blade becomes dull, or if the edge of the blade is chipped, or if the blade quality is lowered, replace it with a new blade.

<u>CAUTION</u> Be sure to perform operations as specified by these 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 with your fingers.

Doing so may result in injury.

$oldsymbol{1}_{oldsymbol{\cdot}}$ Enter the blade replacement menu.





Press veral times to display the screen shown on the left.

Press , and then

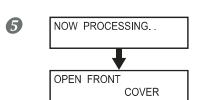


Press -



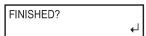
Press veral times to display the screen shown on the left.

Press ENTER.



The cutting carriage moves to a location permitting blade replacement, and then the screen shown in the figure appears.

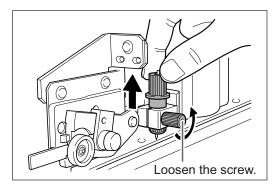
6 Open the front cover.



Preparations are complete when this screen appears.

2. Replace the blade.

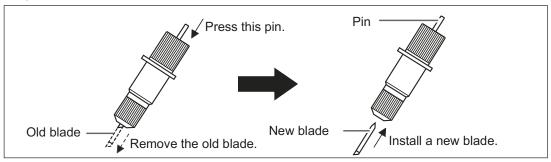




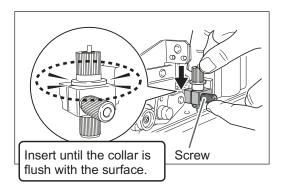
Remove the blade holder.

3 Mainte

Replace the blade.



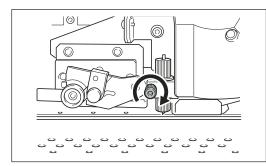
3



Support the screw from below and insert the blade holder

If installed without supporting the screw in this way, cutting quality may become poor.

4



Tighten the screw.

Tug the blade holder upward to make sure it does not come loose.

3. Quit the blade replacement menu.

- Close the front cover.

 Press ENTER.
- 2 Press MENU in this order to go back to the original screen.

4. Adjusting the Cutting Conditions and Cutting-in Amount.

- P. 121, "Fine-tuning the Cutting Conditions"
- P. 123, "Accurately Adjusting the Cutting-in Amount""

Replacing the Separating Knife

If the separating knife becomes dull, replace it with the included replacement knife.

ACAUTION Be sure to perform operations as specified by these instructions, and

never touch any area not specified in the instructions.

Sudden movement of the machine may cause injury.

ACAUTION Never touch the tip of the separating knife with your fingers.

Doing so may result in injury.

Replacing the Separating Knife

- Remove any media.
- Press MENU).
- **MENU ♦** SUB MENU

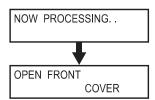
Press veral times to display the screen shown on the left.

Press \triangleright , and then \wedge

4 SUB MENU MAINTENANCE Press (►

5 MAINTENANCE REPLACE KNIFE Press (several times to display the screen shown on the left.

Press ENTER.



The cutting carriage moves to a location where blade replacement possible, and then the screen shown in the figure appears.

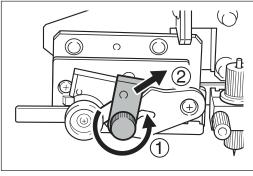
6 FINISHED?

Open the front cover.

Preparations are complete when this screen appears.

Replace the separating knife

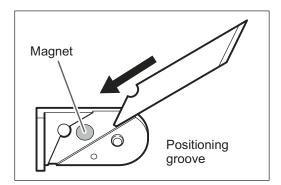




Remove the separating knife.

- (1) Loosen the screw until it slips out.
- (2) Grasp the screw portion, and slowly pull it out in the direction of the arrow. When doing this, do not pull it back toward you.

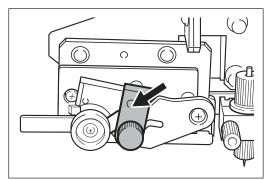




Install a new knife.

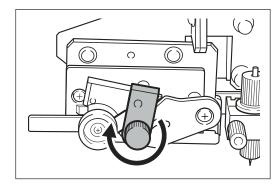
The knife is secured in place by the magnet.





Slowly insert it into the groove.





Tighten the screw.

Take care to ensure that the knife does not slip out of position at this time.

3. Quit the blade replacement menu.

- Close the front cover.

 Press ENTER.