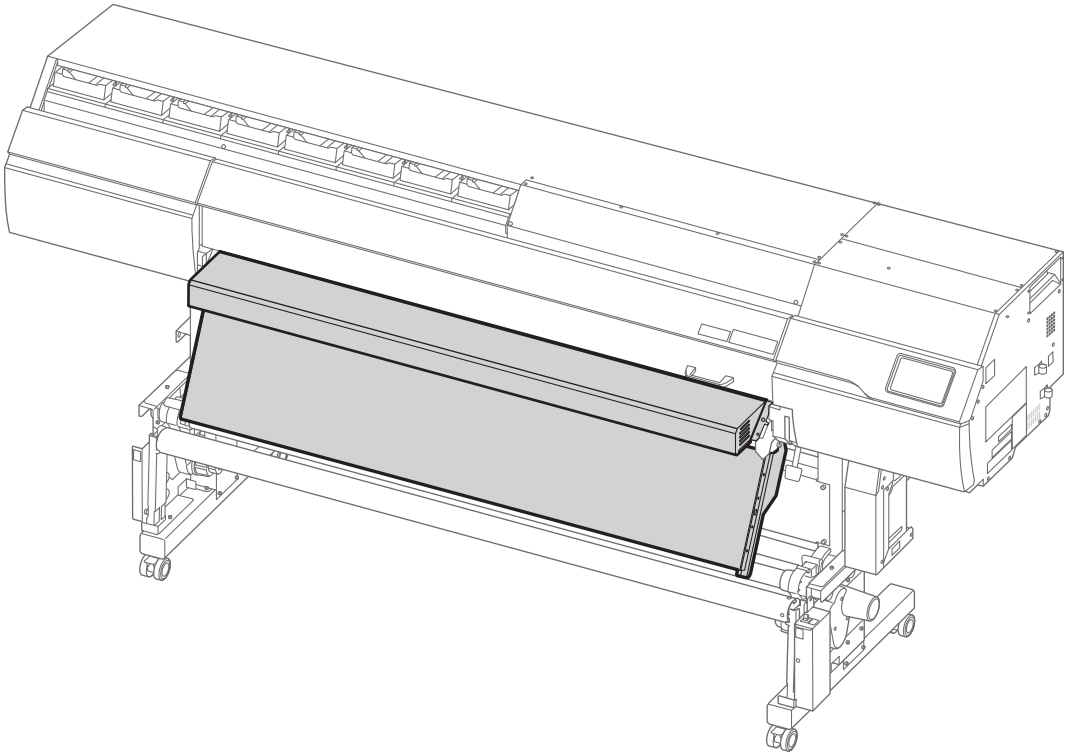
DU3-64
DU3-54

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.
- Unauthorized copying or transferal, in whole or in part, of this manual is prohibited.
- The specifications of this product and the contents of this operation manual are subject to change without notice.
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About This Machine

What Is the DU3-64/DU3-54?

This is an auxiliary drying unit that combines a drying-heater unit and a blower-fan unit. It uses the drying-heater unit to dry the ink by warming the media after printing. It also uses the blower-fan unit to dry the ink by blowing air against the surface of the media.

An electrical outlet separate from that for the printer is required in order to use the drying-heater unit.

Compatible Models

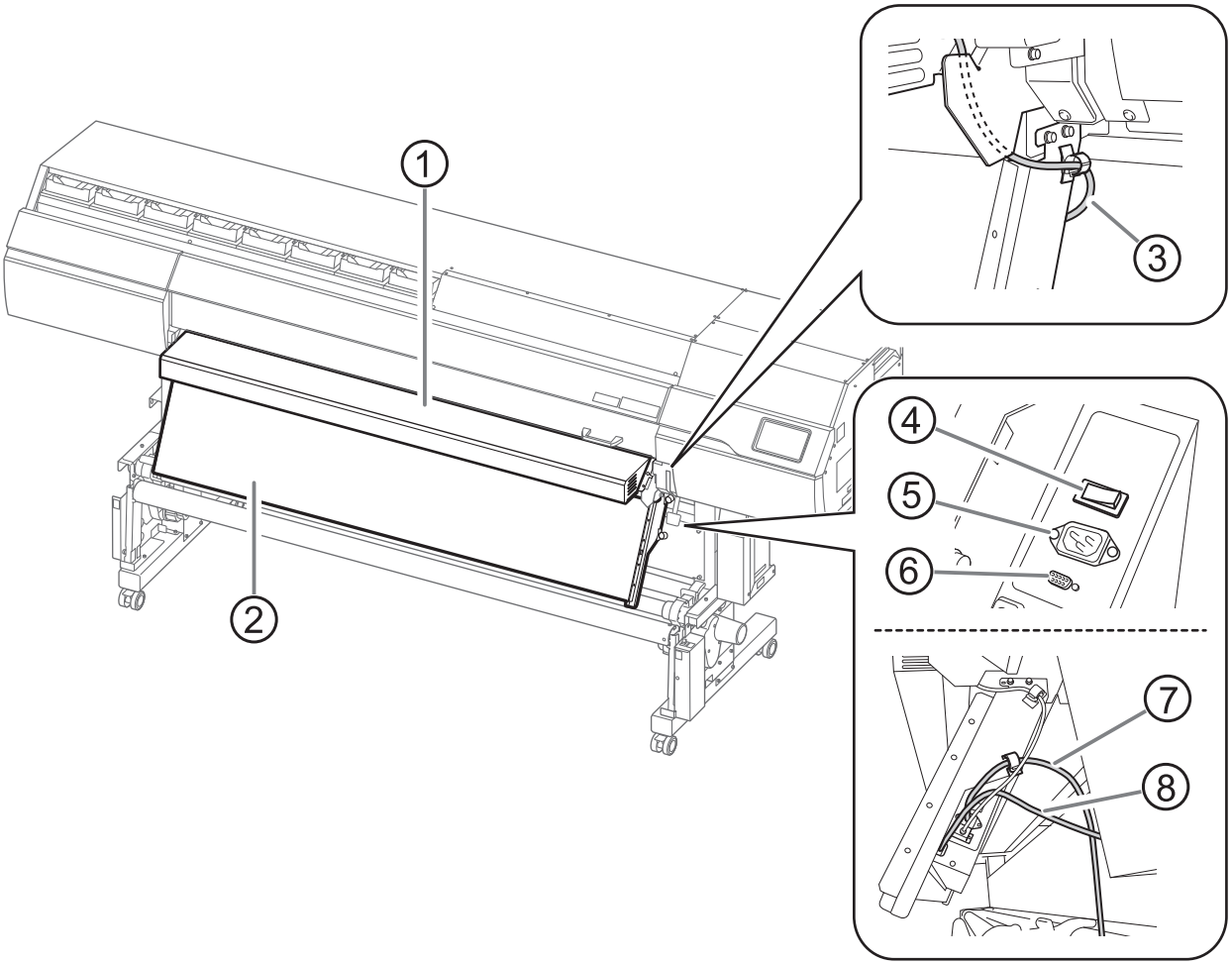
- VG4-640/540
- XG-640
- XP-640
- ER-642/641
- VG3-640/540

* Unless otherwise noted, the VG3-640 is used for the printer in the pictures in this manual.

IMPORTANT

The printer and the drying-heater unit require separate high-capacity electrical outlets. Make sure to connect the two power cords to electrical outlets on separate systems. Also, make sure that the electrical outlets meet the machine's ratings.

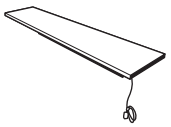
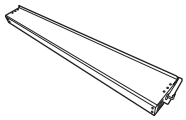
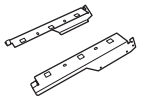
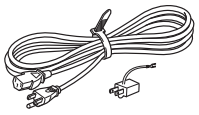
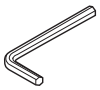
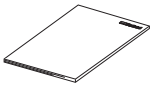
Part Names and Functions



No.	Name	Function overview
①	Blower-fan unit	This blows air onto the surface of the media after printing.
②	Drying-heater unit	This warms the media after printing.
③	Blower-fan unit cable	This connects the blower-fan unit and the drying-heater unit.
④	Power switch	This switches the blower-fan unit and the drying-heater unit on or off.
⑤	Power-cord connector	This connects the power cord.
⑥	Blower-fan unit connector	This connects the blower-fan unit cable.
⑦	Power cord	This is the cord that supplies power to the blower-fan unit and the drying-heater unit.
⑧	Drying-heater unit cable	This connects the drying-heater unit and the printer.

Checking the Included Items

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

 Drying-heater unit (1)	 Blower-fan unit (1)	 Arms (1 each for right and left)	 Power cord/power plug adapter*1(1 each)
 Small bolts (6)	 Large bolts (4)	 Cable clamp (4)	 Hexagonal wrench (1 large, 1 small)
 Safety Precautions			

*1 Included only with 100 V specifications

Installing on the Printer

⚠ WARNING

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

Step 1: Attaching the Arms

Procedure

1. **Open the front cover.**

2. **Use the following procedure to remove the front shield.**

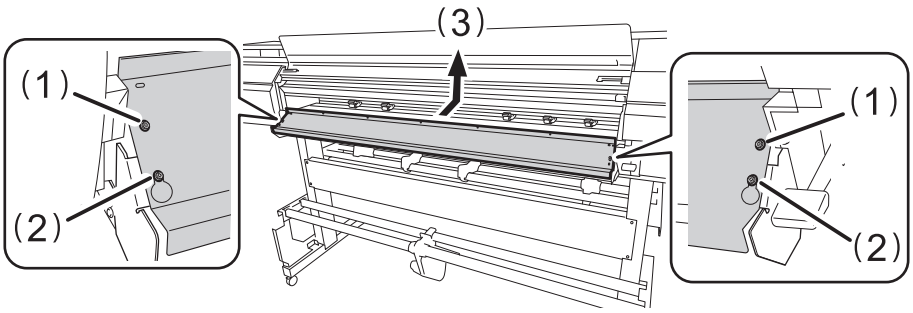
(1) **Use a number 2 Phillips screwdriver to remove the two upper bolts.**

(2) **Loosen the two lower bolts through approximately one turn.**

(3) **Slide the front shield up to remove it.**

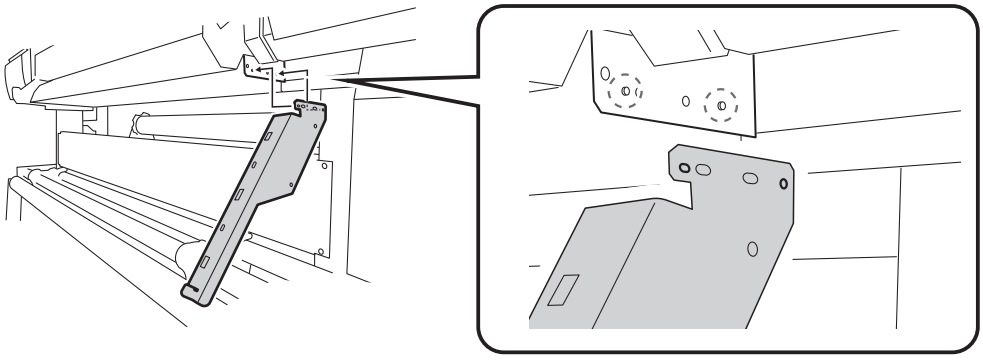
(4) **Remove the two bolts loosened in step (2).**

The front shield is not used while the DU3 is in use. Store it in a safe location together with the bolts.



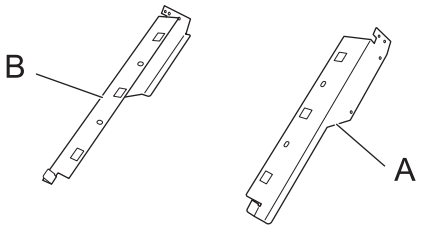
3. **Position the right arm on the right side as seen from the front of the printer.**

Align the protrusions on the machine with the holes on the arm.



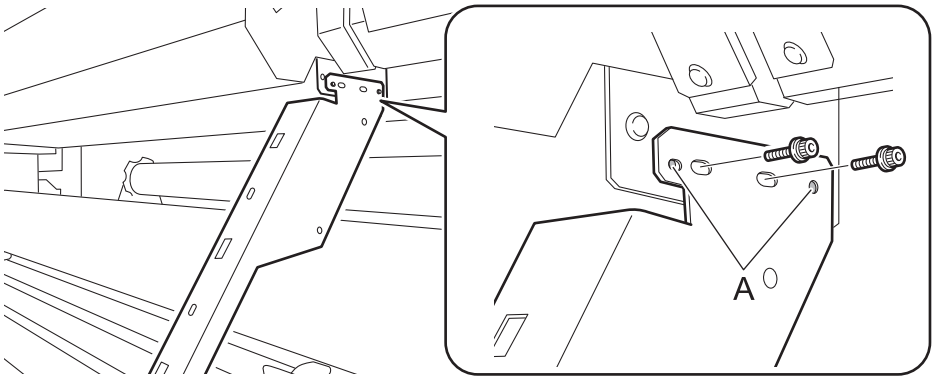
MEMO

Each arm can only be used on the right (A) or left (B) side. Attach them on the correct sides.

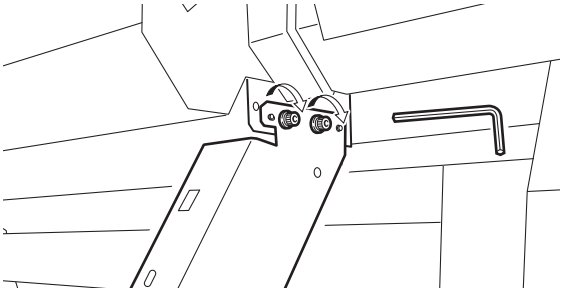


4. **With the protrusions on the machine (A) centered in the holes on the arm, tighten the two small bolts by hand until there is no gap between the machine and the arm.**

Move the arm until these protrusions are centered.



5. **Fully tighten the two small bolts.**



6. **In the same manner, attach the left arm to the left side.**

Step 2: Installing the Drying-heater Unit

Procedure

1. **Follow the procedure below to install the drying-heater unit.**

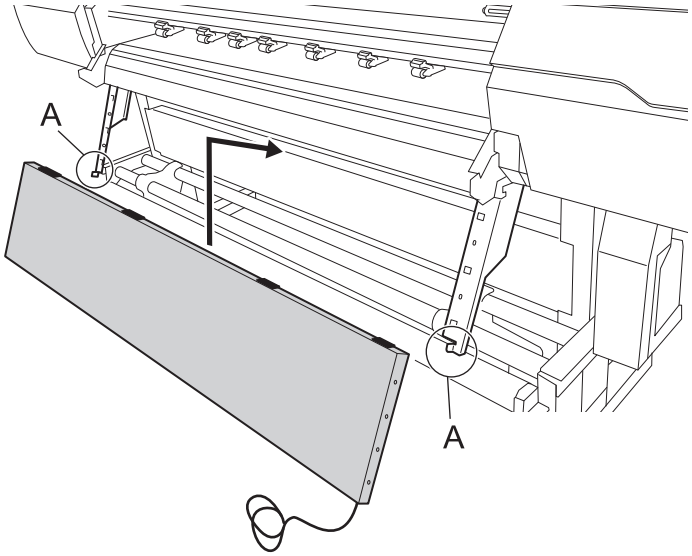
(1) **Hold this unit with two workers.**

(2) **Place it on the hooks (A) on the left and right arms.**

(3) **Press it into the arms by pushing the top side.**

IMPORTANT

Do not catch the drying-heater unit cable between the arm and the drying-heater unit.



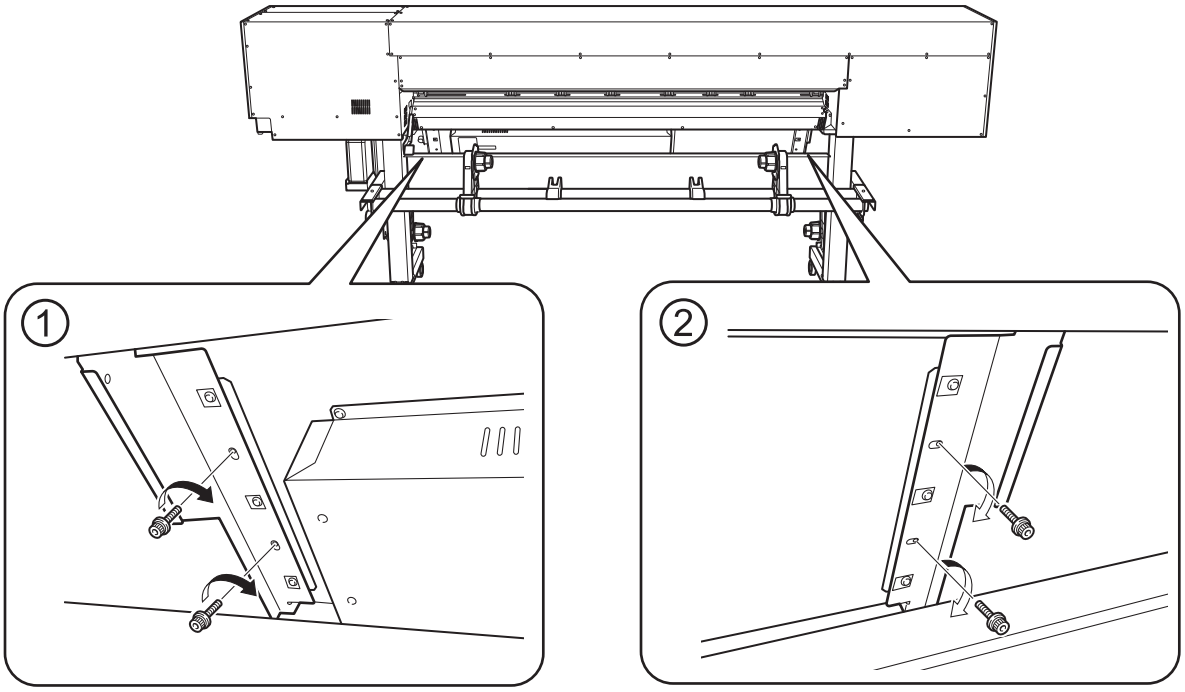
2. **Align the screw holes on the drying-heater unit with the holes on the arms, and then temporarily tighten the four large bolts.**

After temporarily tightening the bolts, make sure the left arm is parallel with the left edge of the drying-heater unit.

IMPORTANT

When aligning the bolts with their holes, move the drying-heater unit while supporting it so it does not fall down.

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

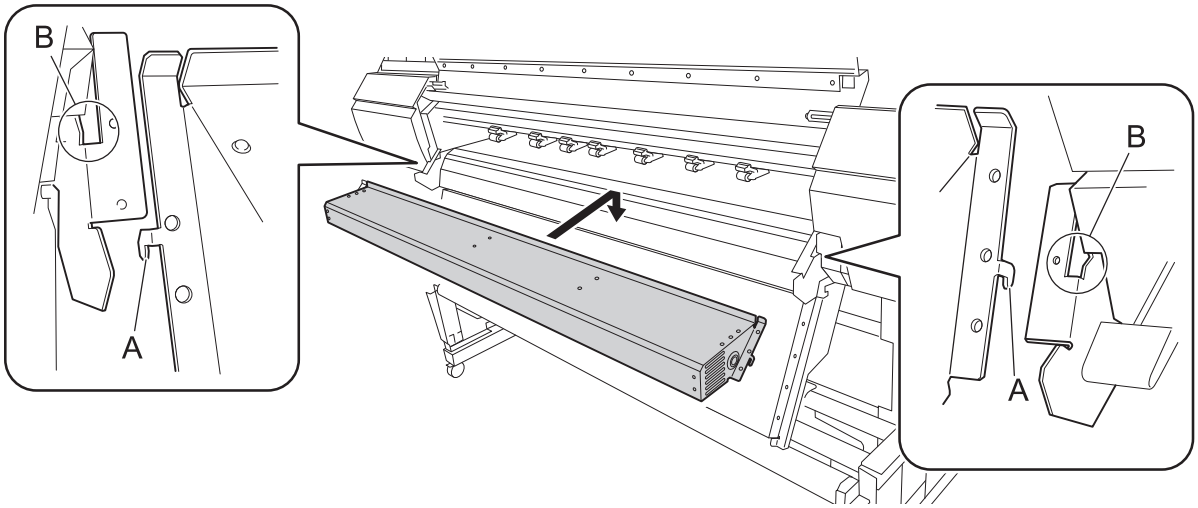

1
2

Step 3: Installing the Blower-fan Unit

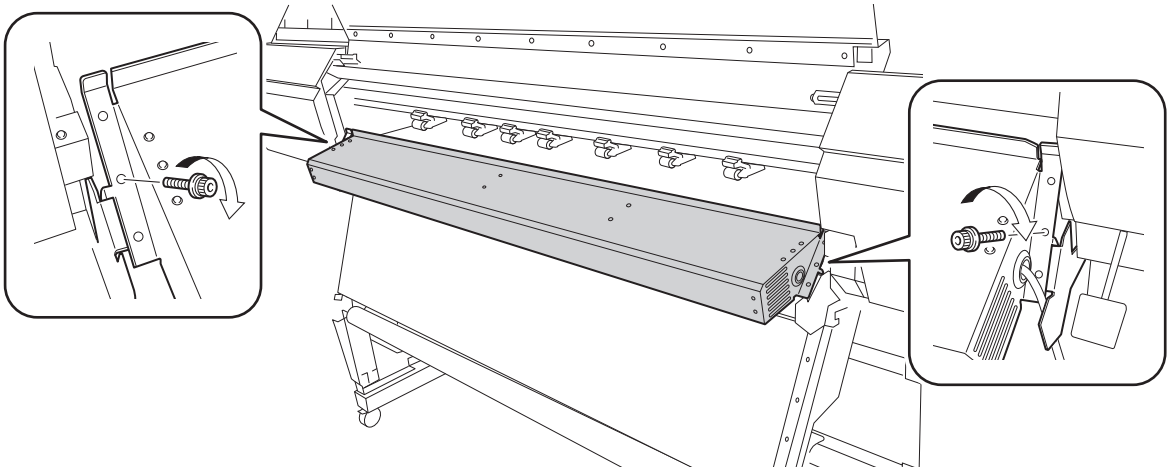
Procedure

1. **Place the blower-fan unit on the printer.**

Catch the hooks (A) of the blower-fan unit on the stays (B) of the printer.



2. **Fully tighten the two small bolts, with one on the left side and one on the right side.**

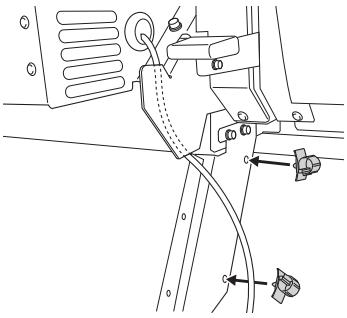
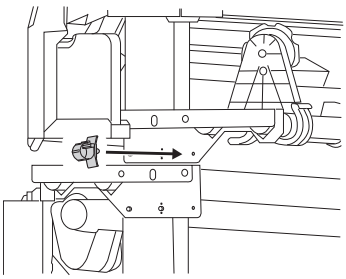
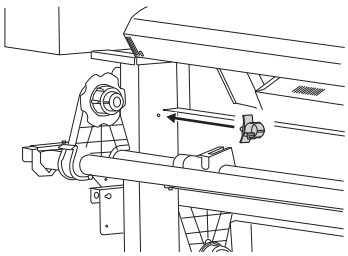


3. **Close the front cover.**

Connecting the Cables

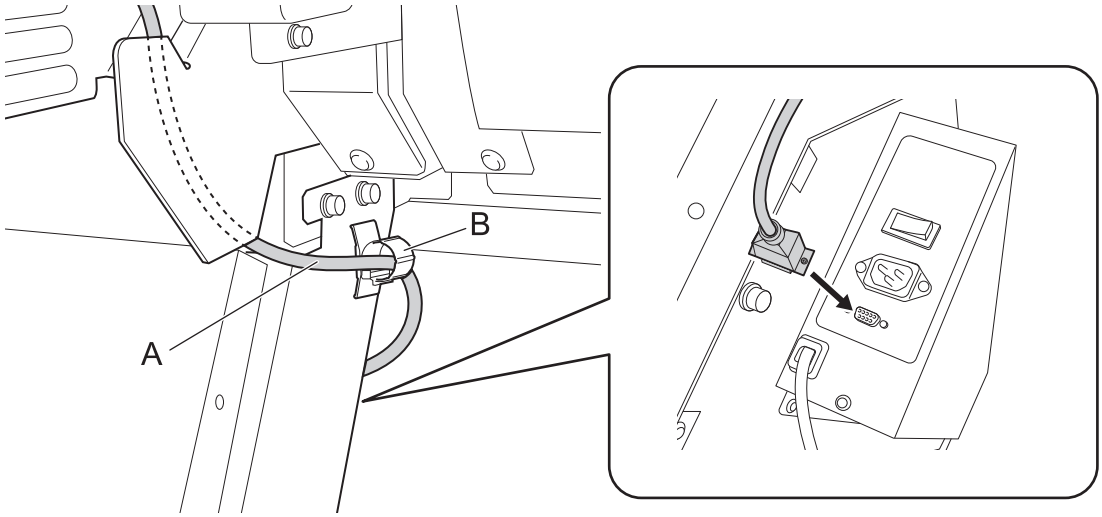
Procedure

1. **Attach the four cable clamps.**

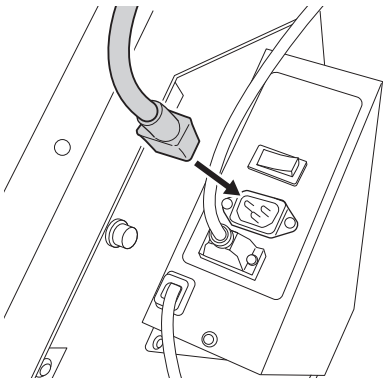
Right arm of drying-heater unit	Right arm of media holder	Inside of right stand leg
		

2. **Connect the connector of the blower-fan unit to the drying-heater unit, securing the cable (A) with the harness clamp (B) on the top of the arm.**

- Pass the blower-fan unit cable along the left side of the bracket.
- Use a number 1 Phillips screwdriver to tighten the connector screws.

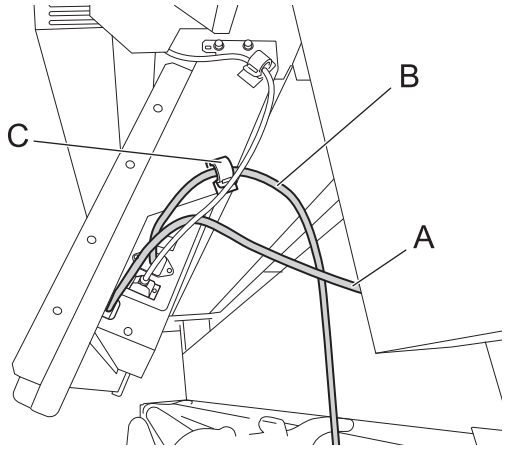


3. **Connect the power cord to the power-cord connector.**



4. **Pass the drying-heater unit cable (A) from the inside of the stand leg to the rear of the machine.**

5. **Use the cable clamp (C) on the bottom of the arm to secure the power cord (B).**



6. **Connect the drying-heater unit cable (A) to the [DRYER] connector on the machine, securing this cable with three cable clamps (B, C, and D).**

Use a number 1 Phillips screwdriver to tighten the connector screws.

7. **Secure the power cord (E) with a cable clamp (F) and connect this cord to the power supply.**

Use the power plug adapter if the electrical outlet is a 2-prong outlet.

⚠ WARNING

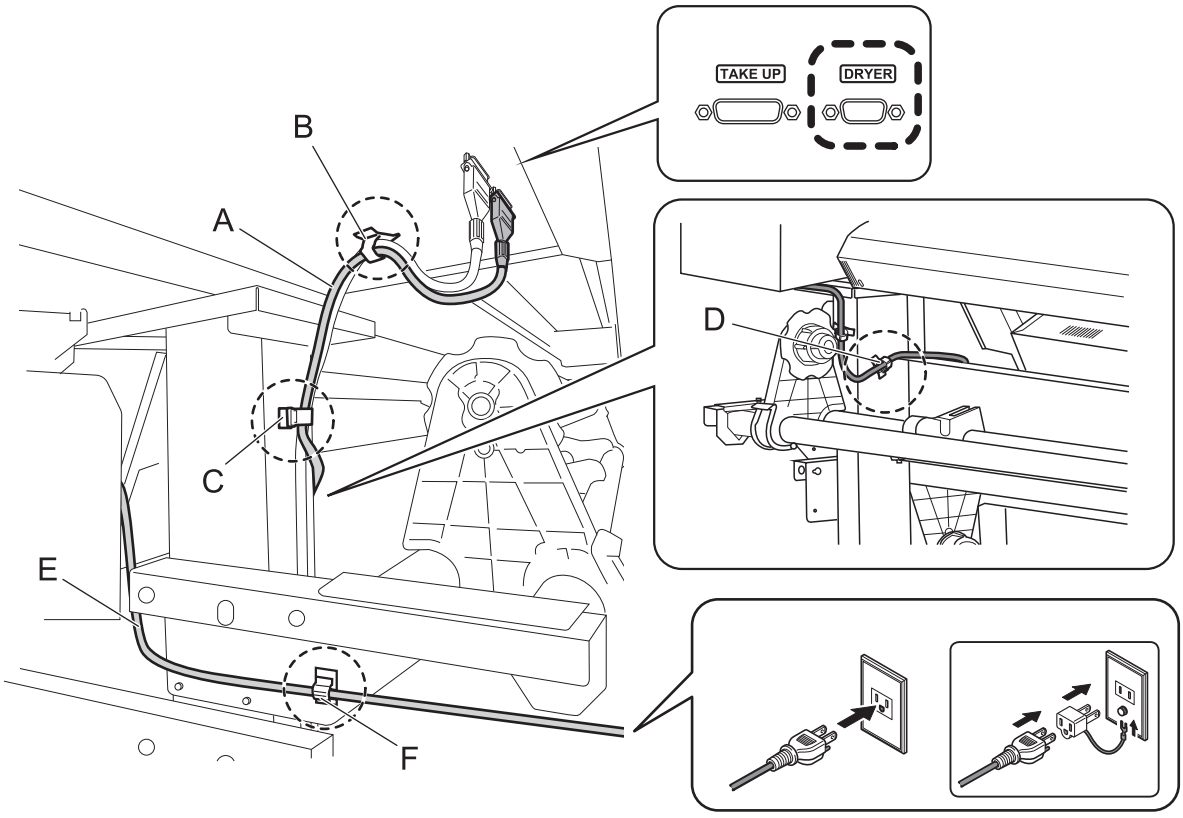
Perform this task with all power switches left switched off.
Otherwise sudden movement of the machine may cause injury.

⚠ WARNING

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

⚠ WARNING

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


TAKE UP
DRYER
A
B
C
D
E
F

Basic Operations

Drying-heater Unit Operation....15
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Switching the Power On and Off....16
Setting the Drying-Heater Unit Temperature....16
Blower-fan Unit Operation....18
Turning On the Power of the Blower-fan Unit....18

Drying-heater Unit Operation

What to Do First

When using the VG4-640/540, XG-640, XP-640, or VG3-640/540

When installation of this machine is complete, select [**Enable**] for [**Extended Dryer**] on the [**Preferences**] menu. If [**Enable**] is not selected, the temperature of the drying-heater unit will not increase even if the drying-heater unit power switch is turned on.

Procedure

1. **Set up the media.**
   See the user's manual of the printer you are using.
2. **Tap**  **.**
3. **Tap [Preferences]>[Extended Dryer].**
4. **Tap [Enable].**
5. **Tap [Save].**
6. **Tap**  **to return to the home screen.**

ER-642/641

Use the printer's panel to set "オプションドライヤー" to "有効".

Procedure

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

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

4. **Press [▶] then [▼] to display the screen shown below.**

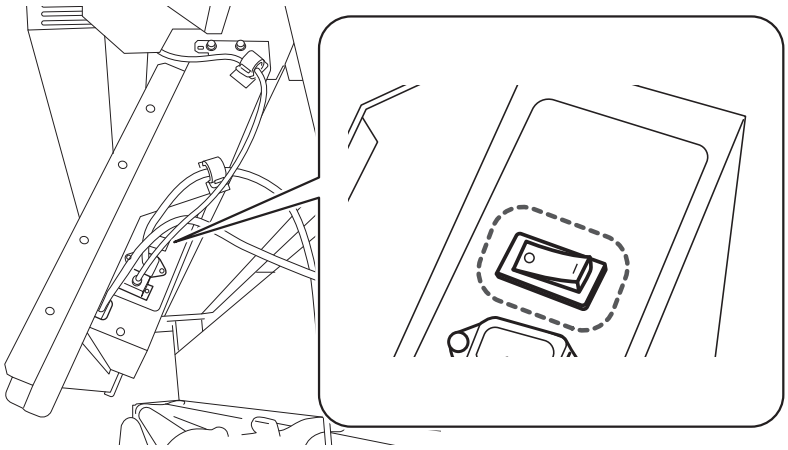
5. **Press [ENTER].**

"オプションドライヤー" is set to "有効".

Switching the Power On and Off

The power switch for the drying-heater unit is at the position shown in the figure. Power is normally turned on and off using the power switch.

Whenever printing is finished, turn the power switch to off.



Setting the Drying-Heater Unit Temperature

The drying-heater unit temperature is normally set to the same temperature as the printer unit dryer. To change the drying-heater unit temperature, please adjust the temperature of the printer unit dryer.

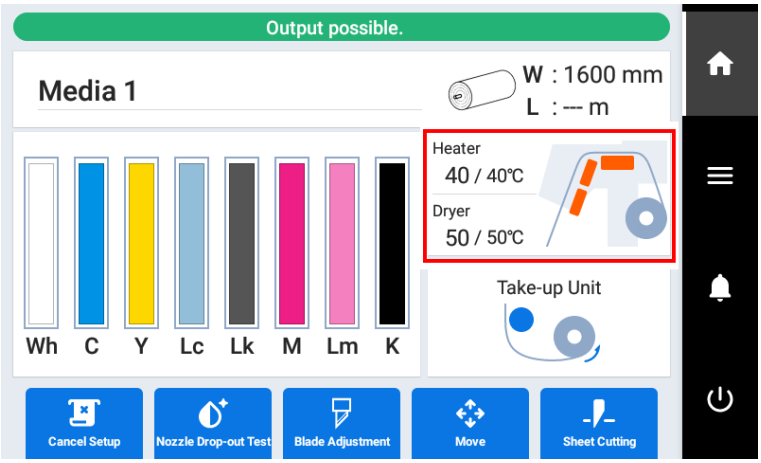
When using the VG4-640/540, XG-640, XP-640, or VG3-640/540

Procedure

1. **Set up the media.**

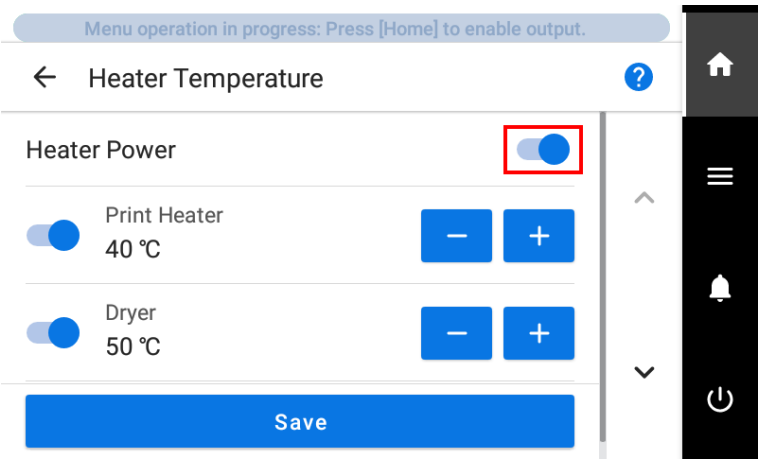
   See the user's manual of the printer you are using.

2. **Tap the following location on the home screen.**



   The [**Heater Temperature**] screen appears.

3. **Check that the [Heater Power] is turned on.**



4. Tap [+] or [−] next to [Dryer] to set the temperature.

5. Tap [Save].

6. Tap [Home] to return to the home screen.

ER-642/641

Procedure

1. Press [FUNCTION].

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



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



4. Press [▶], and then press [▲] or [▼] to set the temperature.



5. Press [ENTER].

Blower-fan Unit Operation

Turning On the Power of the Blower-fan Unit

The blower-fan unit does not have a power switch.

The power of the blower-fan unit can be turned on and off by switching the settings on the printer side.

When using the VG4-640/540, XG-640, XP-640, or VG3-640/540

To use the blower-fan unit, set [**Blower Fan**] to [**Enable**] on the printer's [**Preferences**] menu. When [**Enable**] is selected, the blower-fan will start turning when printing starts. The blower-fan automatically stops when printing ends.

Procedure

1. **Set up the media.**

   See the user's manual of the printer you are using.

2. **Tap**  **.**

3. **Tap [Preferences]>[Blower Fan].**

4. **Tap [Enable].**

5. **Tap [Save].**

6. **Tap**  **to return to the home screen.**

ER-642/641

To use the blower-fan unit, use the printer's panel to set "送風ファン" to "有効". When "送風ファン" is set to "有効", the blower-fan will start turning when printing starts. The blower-fan automatically stops when printing ends.

Procedure

1. **Press [MENU].**

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

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

4. **Press [▶] then [▼] to display the screen shown below.**



5. **Press [ENTER].**
"送風ファン" is set to "有効".

Troubleshooting

The Drying-heater Doesn't Get Hot 21
- Is the power cord connected? 21
- Is the drying-heater unit cable connected? 21
- Is the extended dryer enabled? 21
- Is the power switch on? 21
- Is the temperature of the room too low? 21

The Blower-fan Doesn't Run 22
- Is the blower-fan unit cable connected? 22
- Is the blower-fan enabled? 22

Messages on the Operation Panel 23
- [**The extended dryer is not connected.**] 23

The Drying-heater Doesn't Get Hot

Is the power cord connected?

Make sure the power cord is securely connected to the machine and to the electrical outlet.

RELATED LINKS

- P. 11 Connecting the Cables

Is the drying-heater unit cable connected?

Connect the drying-heater unit cable to the printer unit.

RELATED LINKS

- P. 11 Connecting the Cables

Is the extended dryer enabled?

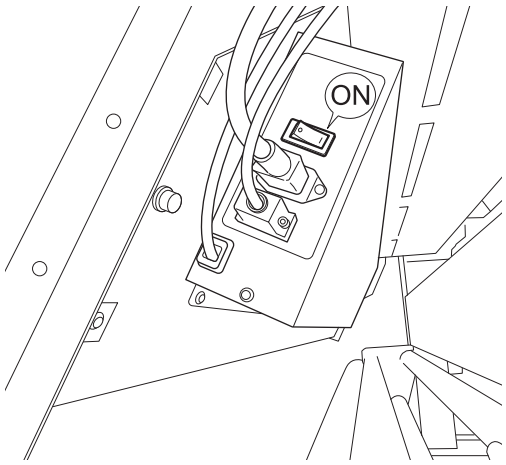
The drying-heater doesn't operate unless the extended dryer is enabled in the printer settings. Check the settings.

RELATED LINKS

- P. 15 What to Do First

Is the power switch on?

Make sure the power switch for the drying-heater unit is on.



RELATED LINKS

- P. 16 Switching the Power On and Off

Is the temperature of the room too low?

Use the machine in an environment where the temperature is 20 to 32˚C (68 to 90˚F).

The Blower-fan Doesn't Run

Is the blower-fan unit cable connected?

Connect the connector of the blower-fan unit to the drying-heater unit.

RELATED LINKS

- P. 11 Connecting the Cables

Is the blower-fan enabled?

The blower-fan doesn't operate unless it is enabled in the printer settings. Check the settings.

RELATED LINKS

- P. 18 Turning On the Power of the Blower-fan Unit

Messages on the Operation Panel

[The extended dryer is not connected.]

This message appears when the extended dryer is not connected and [**Preferences**]>[**Extended Dryer**] is set to [**Enable**]. Follow the procedure below to connect the extended dryer. When not using the extended dryer, set the extended dryer setting to [**Disable**].

1. Turn off the printer by switching off the sub power followed by the main power.
2. Connect the extended dryer.
3. Turn the printer on again by switching on the main power followed by the sub power.
4. Switch on the extended dryer.

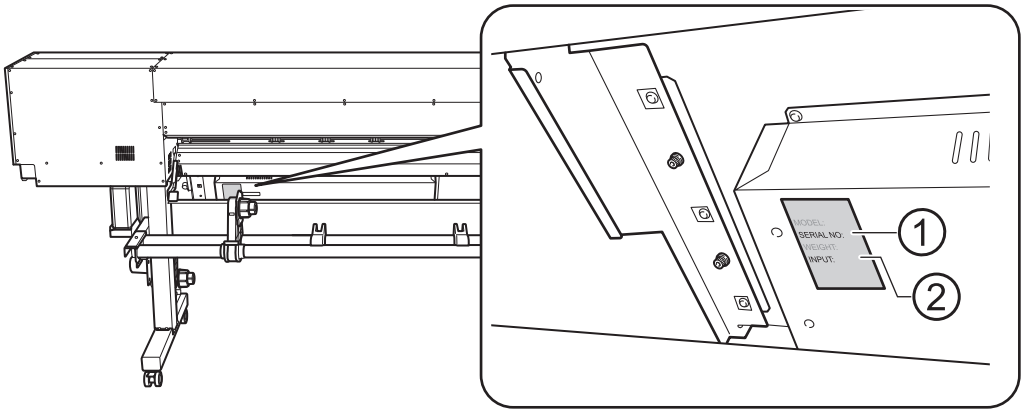
RELATED LINKS

- P. 11 Connecting the Cables
- P. 15 What to Do First

Appendix

Location of the Power Rating and Serial Number Label 25
Specifications 26

Location of the Power Rating and Serial Number Label



No.	Name	Description
①	Serial number	This is required when you seek maintenance, servicing, or support. Never peel off the label.
②	Power rating	Use an electrical outlet that meets the requirements for voltage, frequency, and amperage given here.

Specifications

		DU3-64	DU3-54
Drying method		Heating type (with blower fan), Set temperature: 30 to 55°C (86 to 131°F)*1	
Rated input*2		100-120/220-240 Va.c. 50/60 Hz 5.5/3.0 A	100-120/220-240 Va.c. 50/60 Hz 5.0/2.6 A
Power consumption		Approx. 750 W	Approx. 670 W
Weight		22 kg (48.5 lb.)	18 kg (39.68 lb.)
Environment	During operation	Temperature: 15 to 32°C (59 to 89.6°F) (20°C (68°F) or higher recommended), humidity: 35 to 80%RH (no condensation)	
	Not operating	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80%RH (no condensation)	
Included items		Power cord, user's manual	

*1 Warm-up is required after the power is turned on. This may require 5 to 20 minutes, depending on the operating environment.
- Depending on the ambient temperature and the media width, the set temperature may not be reached.

*2 Be sure to connect the machine to an unshared electrical circuit.


Roland