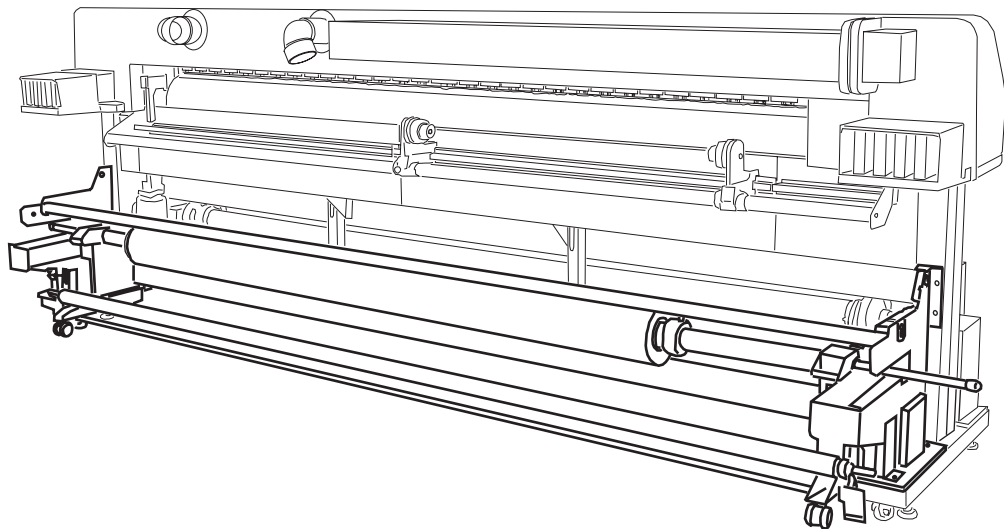


The Auto Media Feeder for JV3-250SP

AMF-250

OPERATION MANUAL



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Foreword

Congratulations on your purchase of the AMF-250 Auto Media Feeder model of the inkjet plotter JV3-250SP.

Read the Operation Manual carefully and hope the plotter will find useful for your drawing safety.

On This Operation Manual

- This Operation Manual describes operation and handling instructions for the AMF-250 Auto Media Feeder (Hereinafter referred to as the Auto Media Feeder) model of the color inkjet plotter JV3-250SP.
- Please read and fully understand this Operation Manual before putting the machine into service. It is also necessary to keep this Operation Manual on hand.
- Make arrangements to deliver this Operation Manual to the person in charge of the operation of the Auto Media Feeder.
- This Operation Manual has been carefully prepared for your easy understanding, however, please do not hesitate to contact a distributor in your district or our office if you have any inquiry.
- Description contained in this Operation Manual are subject to change without notice for improvement.
- In the case where this Operation Manual should be illegible due to destruction or lost by fire or breakage, purchase another copy of the Operation Manual from our office.
- This Operation Manual is for the Auto Media Feeder. For details about the operation machine, refer to the operation manual for the plotter JV3-250SP.

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Features

The features of the Auto Media Feeder are described below. Together with the method of operation of the unit explained in this Operation Manual, they help you understand how to use the Auto Media Feeder properly.

The Auto Media Feeder can provide fine image even when using a heavy rolled media

There are miscellaneous media selling at present.

Some media are difficult to be performed smoothly and to be shifted; some media turn themselves because of eccentricity.

The Auto Media Feeder is applicable for some media which is badly installation or which turn themselves because of eccentricity and can provide fine image to be shifted the media in stable.

Easy media setting

The heavier media it is, the more difficult it is to setup the media in the plotter.

Structurally the dedicated lever of the Auto Media Feeder can provide an easy setting up a heavy media setup, but for safety reason, the setting media should be carried out by two persons.

Safely Precautions During Installation

Safety Symbols used in manual

Safety Signal Words

Pictorial signs are used in this Operation Manual for safe operation of and in prevention of damages to the Auto Media Feeder. Safety signal words and their meanings are given below. Read and fully understand before reading the text.



- Indicates the case where it is assumed that misuse of the machine, ignoring this sign, as this may cause fire or poisoning. Be sure to read this manual for proper operation.



- Indicates the case where it is assumed that misuse of the machine, ignoring this sign, can cause damage only to property.



- The symbol "💡" indicates helpful information that will facilitate the use of the machine.



- Indicates the reference page for related contents.

Example of pictorial within the manual



- The symbol "⚡" indicates the case where some phenomenon that requires a CAUTION sign (including "DANGER" and "WARNING" signs) exists. A concrete precaution (The example on the left shows that there is an electrical hazard) is shown in the illustration.



- The symbol "⊘" indicates a prohibited behavior. A concrete illustration of prohibition (The circle and slash to the left indicates that disassembly is prohibited) is shown in or next to the illustration.



- The symbol "●" indicates a thing that is forced to be done and instruction that is forced to be followed. A concrete illustration of instruction (An example on the left is removing a plug from the outlet) is drawn in the illustration.



WARNING



- Be sure to setup the appropriate air-moving system in case of using the device in a closed room or a room with bad ventilation.



- The ink used for this device contains organic solvent. Since the ink is flammable, never use fire when using the device.



- When cleaning the ink station and head, be sure to wear the supplied goggle and gloves since you may get ink in your eyes.



- If anyone drinks ink in mistake, keep him or her quiet and see a doctor immediately. Do not allow him or her drink vomit. Then, contact the Poison Control Center.



- If you absorb a lot of vapor and feel bad, immediately move to a location where fresh air is present and then keep yourself warm and quiet. Then, consult a doctor as soon as possible.

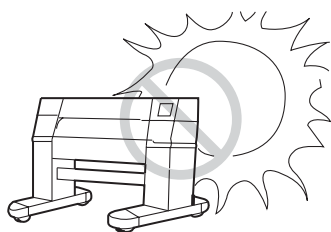


- Waste ink is equivalent to waste oil of industrial waste. Request an industrial waste processor for processing of waste ink.

Precautions in installation

CAUTION

A place exposed to direct sunlight

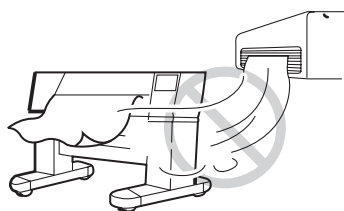


A place in which temperature and humidity vary by a great margin

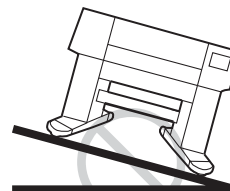


Use the device under the following environment.
Operating environment:
68 to 95°F (20 to 35°C)
35 to 65% (Rh)

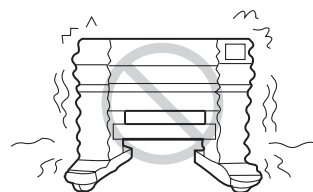
A place exposed to direct air blow from air conditioner, etc.



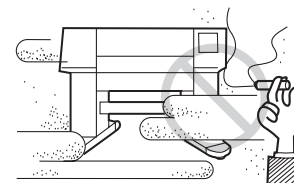
A place that is not horizontal



A place that vibrates



A place where fire is present



CHAPTER 1

Before Use

This chapter describes the name and function of each section of the Auto Media Feeder.

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Where to Install the Unit	1.2
Configuration and Function	1.3

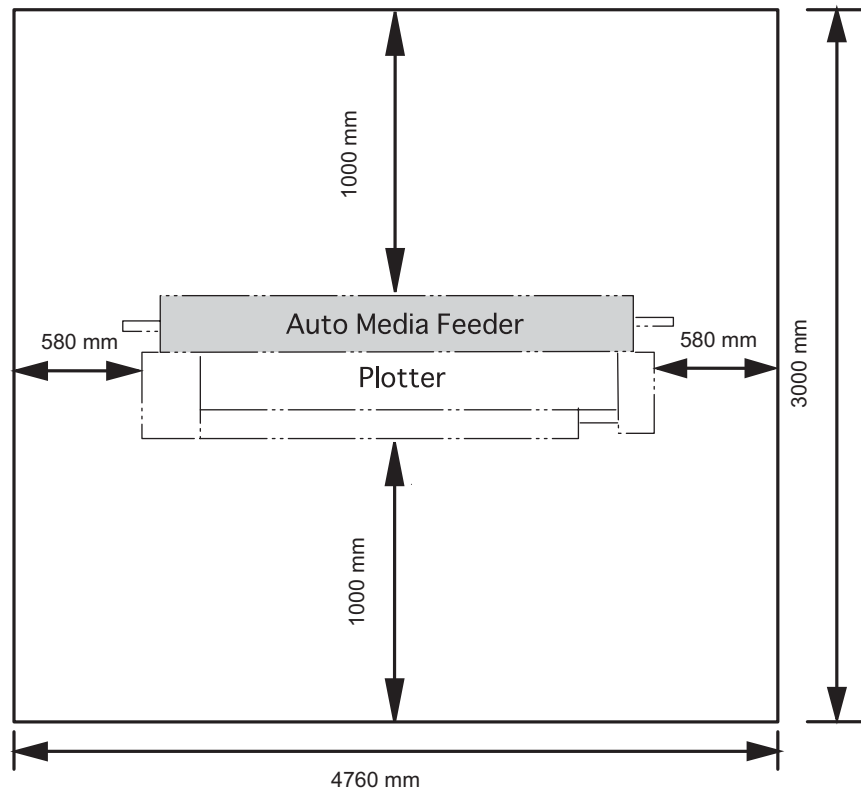
Where to Install the Unit

Secure a suitable space before setting up the Auto Media Feeder.

Secure a suitable space for the plotter and the Auto Media Feeder to draw, and set it up.

Auto Media Feeder size

Width	Depth	Height	Gross weight
3720 mm	450 mm	600 mm	35 kg



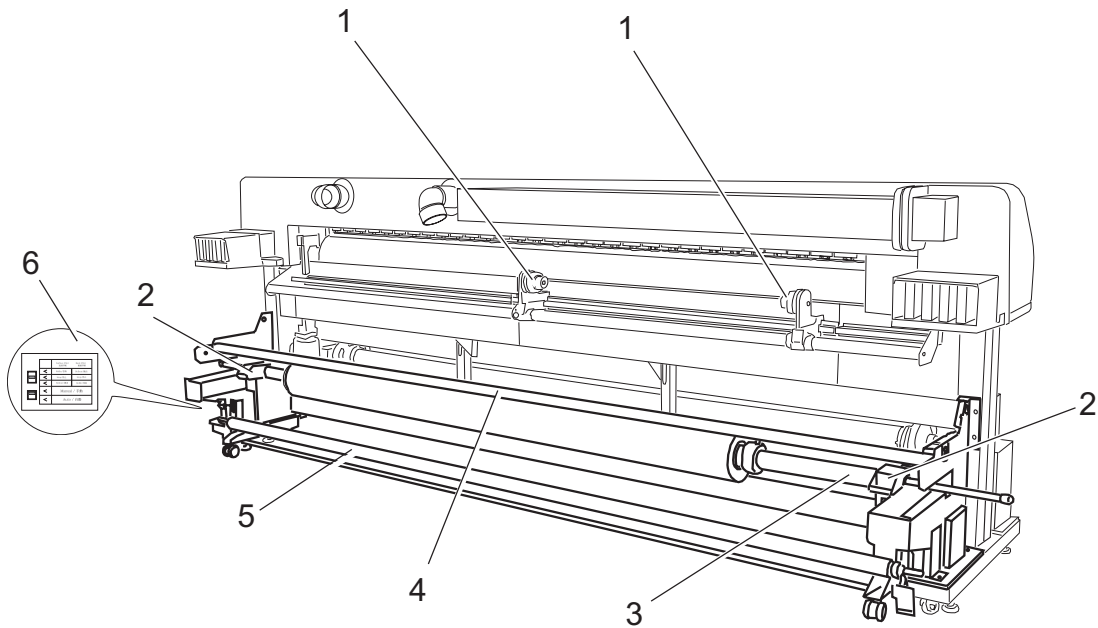
Working environmental temperature

The plotter (JV3-250SP) and the Auto Media Feeder (AMF-250) should be used at 68-77°F (20-25°C) within the quality guarantee to implement a stable printing work



- This unit cannot be installed by the customer. Its installation should be entrusted to our service personnel.

Configuration and Function



*For details about the name of the plotter, refer to the operation manual for the plotter.

	Name	Function
1	Media Holder	Used when placing the light roll paper.
2	Guide pipe press left/right	Lock guide pipe to prevent lifts at the media.
3	Guide pipe	This pipe is inserted into the media center to set up the media to the Auto Media Feeder. Replace the media holding the right and left handles of the guide pipe.
4	Roll guide	Roll guide feeds the media into the plotter .
5	Tension bar	This bar sets up the media into the Auto Media Feeder. Tension bar adds tension to the media, and then feeds them into the plotter. Adding a constant and stable bar weight makes installation improved.
6	Switch-Changeover/Action	There are two types of switches- Auto/Manual and Roll out/Stop/Roll in. Refer to the [Setting the Switch-Changeover/Action].

CHAPTER 2

Operation

This chapter describes a basic installation to operate plotting.

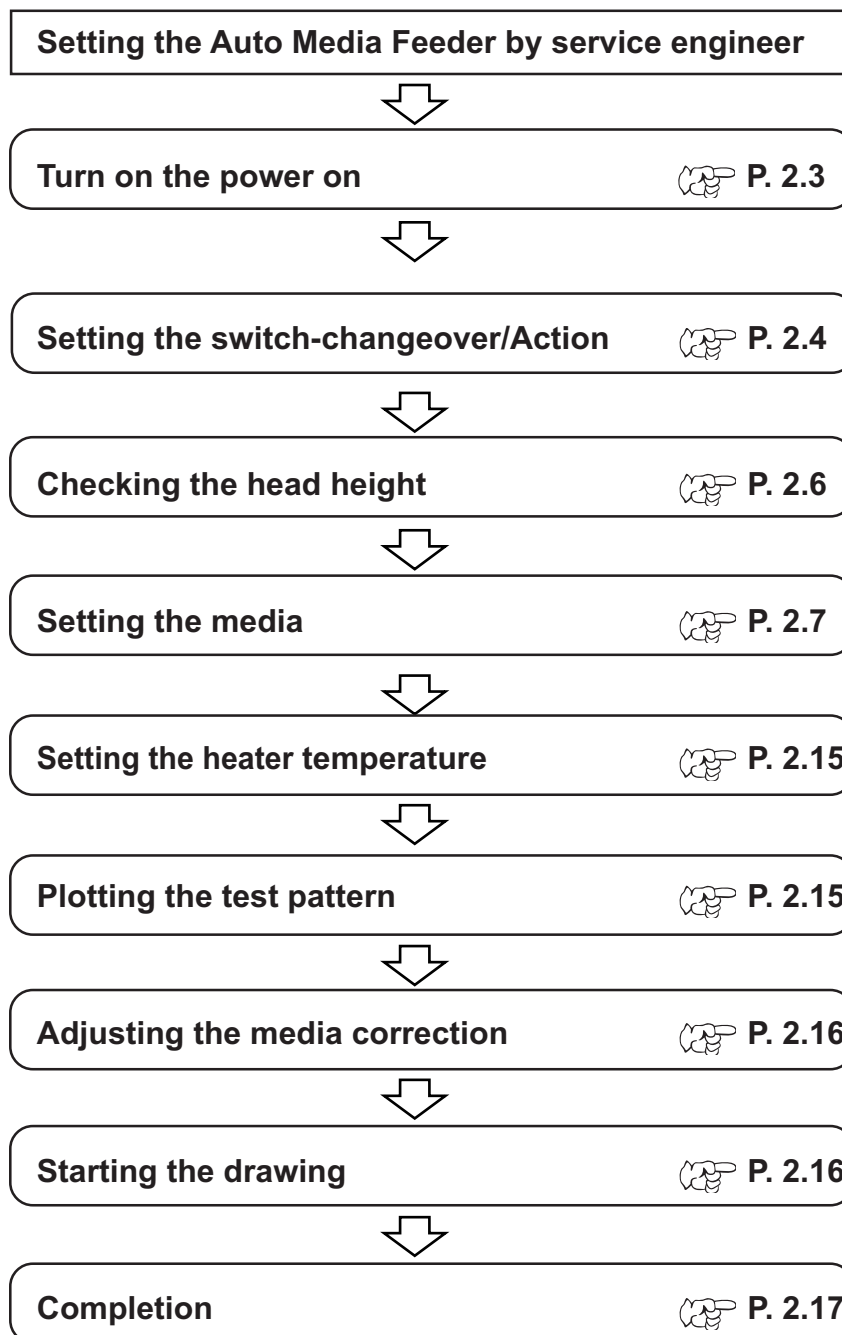
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Operation

The following shows a series of operations and settings, ranging from power-on to end of plotting. For details on each item, refer to the reference page.

There are two types of the AMF-250 Auto Media Feeder-the Standard Type attached with the JV3-250SP plotter on factory shipment and the Option Type added with an existing JV3-250SP. The Option Type should be installed in the existing JV3-250SP by our service engineer.

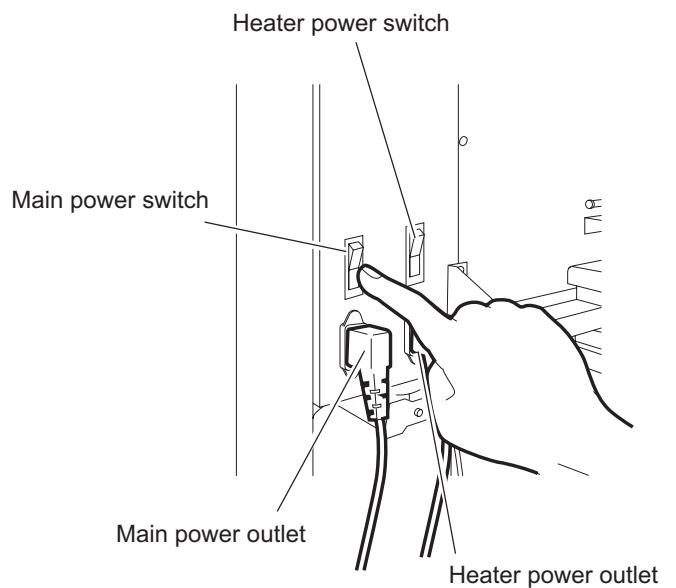


Switching on the Power Supply

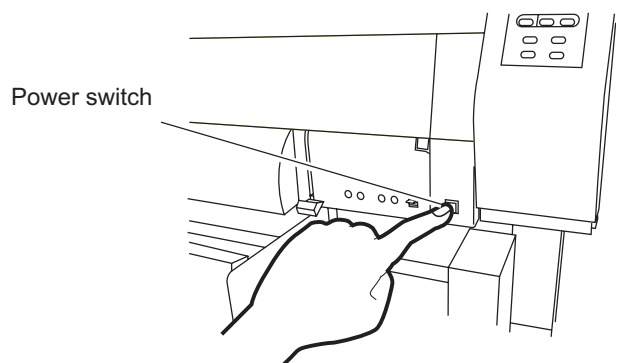
The Auto Media Feeder does not have the power switch. When the power switch of the plotter is turned on, the power switch of the Auto Media Feeder is turned on.

Make sure that AC code is connected to the plotter. Turn on the [Main Power switch] located on the rear face of the plotter and the [Power Switch] located on the front face of the plotter to start the operation of the plotter and the Auto Media Feeder.

For details, refer to [Switching on the power supply] (☞ P.2.3) in the operation manual for the plotter.



Main power switch on the plotter

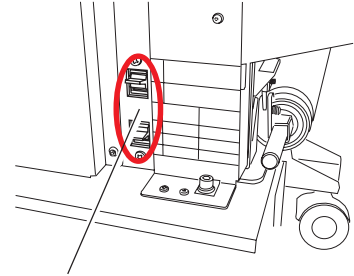


Power switch on the front face of the plotter

Set the Switch-Changeover/Action

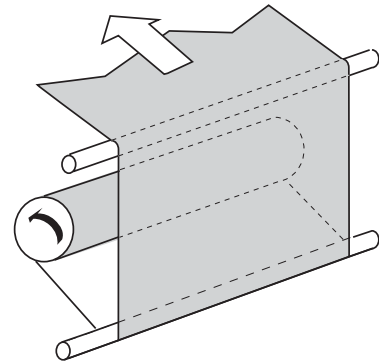
STEPS:

1. After turning on the power switch of the plotter, setup the operation switch of the Auto Media Feeder. The operation switch is located on right inferior outer of the Auto Media Feeder.

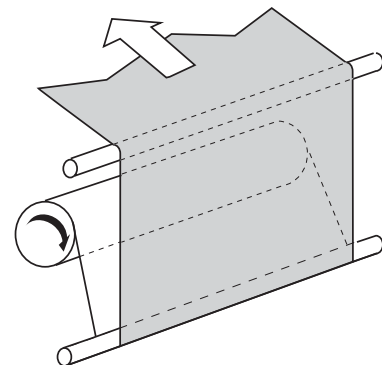


Operation switch

2. In case of the media with the print facing inside (Surface Print) and with the print facing outside (Back Print), the motor for feeding is turned around. Determine the motor take-up direction by the media printing side (take-up direction).



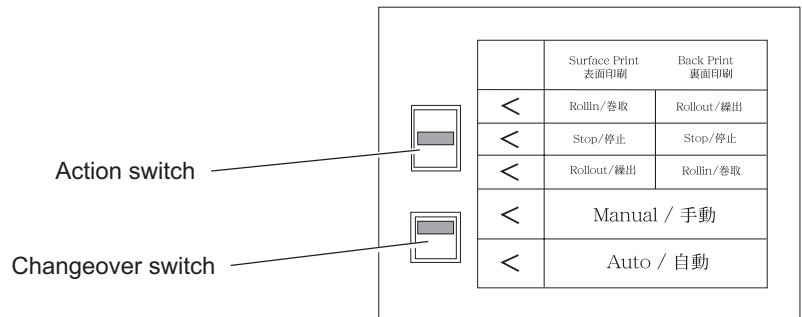
Outside (Surface print)



Inside (Backside print)

3. Make sure the letter "Back Print" and "Surface Print" on the Action Switch of the Auto Media Feeder.

Operate the switch that is applicable to take-up direction according to print facing inside or outside (take-up direction).



Action Switch

Select the operations; Roll out/Roll in/ Stop.
Used to set Roll out during the printing work.

Changeover Switch

Select automatic or manual for feeding and taking up the media.
Normally the media is set by manual and printed by automatic.

< Actual installation >

Procedure		Media drawing Surface		Media drawing Backside	
		Changeover Switch	Action Switch	Changeover Switch	Action switch
1	When the power of the potter is turned on or when the media is being set	Manual	Stop	Manual	Stop
2	When rolling up and adjusting the media in parallel after setting the media	Manual	Roll in	Manual	Roll in
3	When the media is being set completely and ready to start printing	Auto	Roll out	Auto	Roll out

Check the Head Height

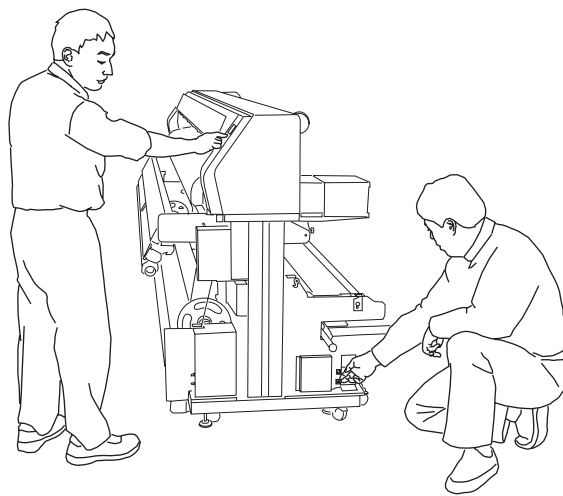
Before starting printing, check the head height. For details, refer to [Adjusting the head height] (☞ P.2-7) in the operation manual for the plotter.

Set the Media on the Auto Media Feeder

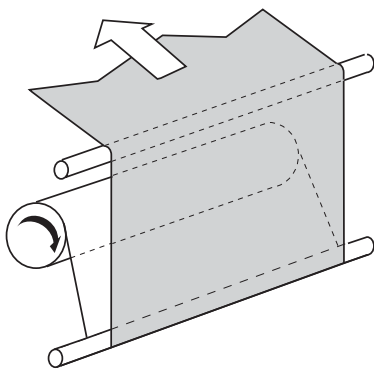
Execute the following procedure to setup the media to the Auto Media Feeder.



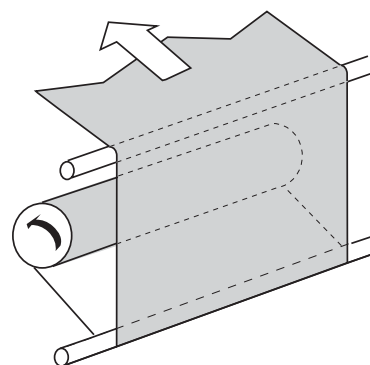
- When setting (changing) the media, it must be carried out by at least two persons.
- Be careful about direction of the setting media, as the direction is executed by the print facing outside (Surface Print) and the print facing inside (Back Print).



When setting the media, it must be carried out by at least two persons.



Inside (Backside Print)



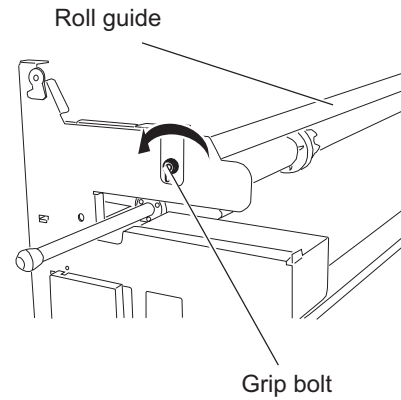
Outside (Surface Print)

In case of the large size media, the media should be rolled with print surface facing inside (Back Print).

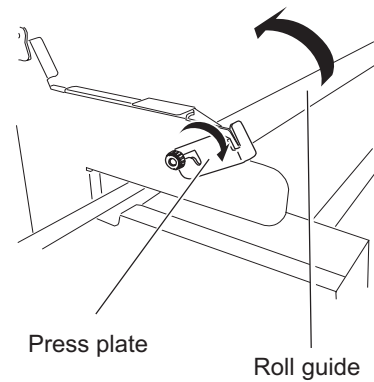
Make sure of the media type when setting the media, as it may be the media with print surface facing outside (Surface Print).

STEPS:

- 1. Loosen the grip bolt holding the press at the right and left of the roll guide.**



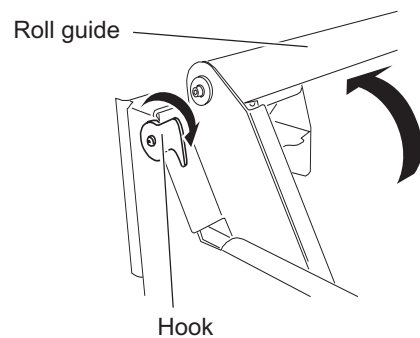
- 2. Turn over the press toward and loosen the roll guide to the plotter side.**



- 3. Turn over the roll guide to the plotter side and lock it up by hook (left and right).**



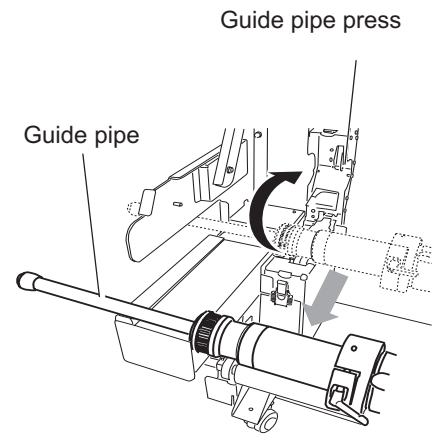
- During replacing the media, leave it this lock to avoid the danger of falling down the roll guide.



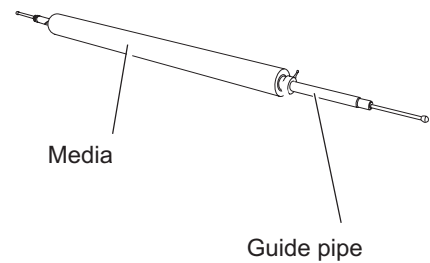
4. Open the press of the left and right guide pipe of the Auto Media Feeder. Pull out the guide pipe according to the arrow direction.



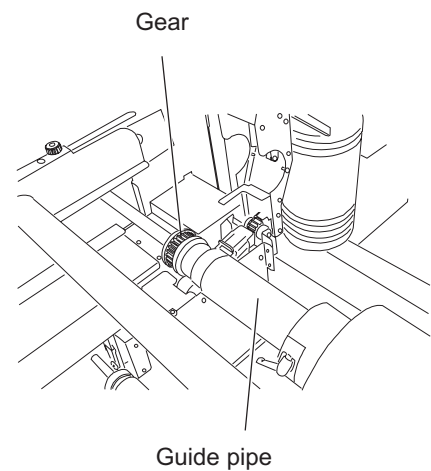
- Be careful not to catch a finger when handling the guide pipe.



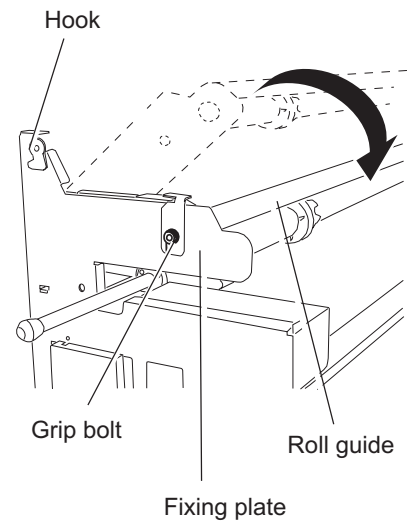
5. Set the media to the guide pipe.
For details, refer to [Setting the media on the device] (P.2.9) in the operation manual for the plotter.



6. Set the guide pipe placed the media to the Auto Media Feeder from backward, as the gear position on the guide pipe should be placed to the Auto Media Feeder.
After setting, execute an inverse procedure of step 1 to 3 of setting the media to lock the roll guide.



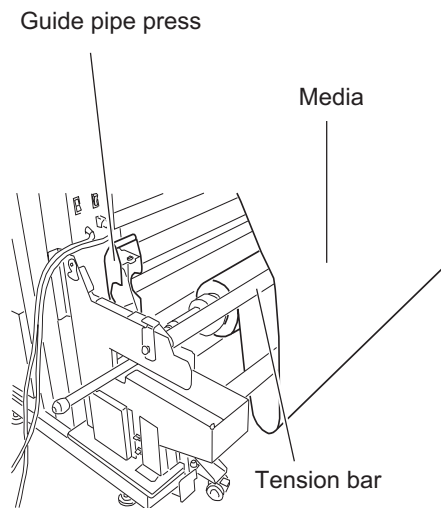
7. **Remove the hook. Move the roll guide forward. Loosen the grip bolt and lock by a fixing plate.**



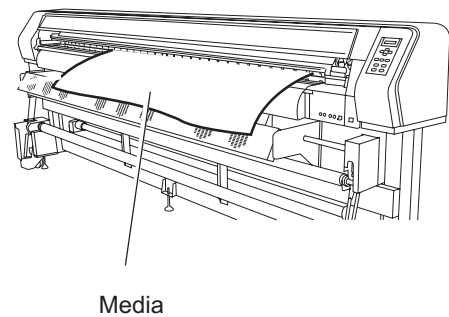
8. **After setting the media to the Auto Media Feeder (take up), leave the right and left guide pipe press open and feed the media forward to the plotter.**



- Before feeding the media, cover the sheet or dispensable media on floor to avoid stain.



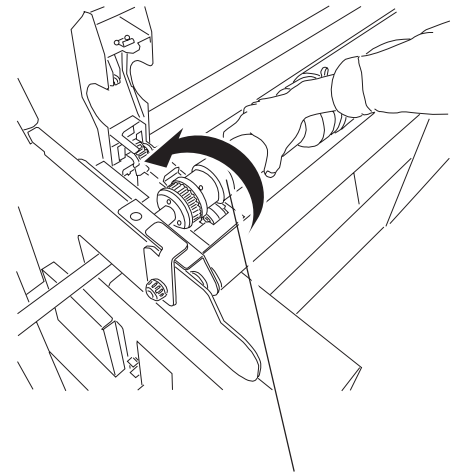
9. **Feed the 1m extra length of the media to the front of the plotter.**



- 10. Keep the right and left press cover of the guide pipe opened, and turn the guide pipe by hand as shown until to roll it (take it up) about 50cm. Taking up about 50cm keeps the media almost parallel.**

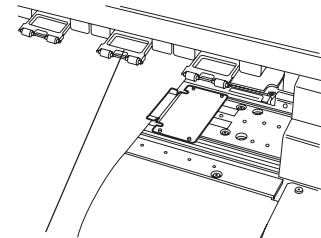


- The following operation contents describes for the application of the media backside printing.



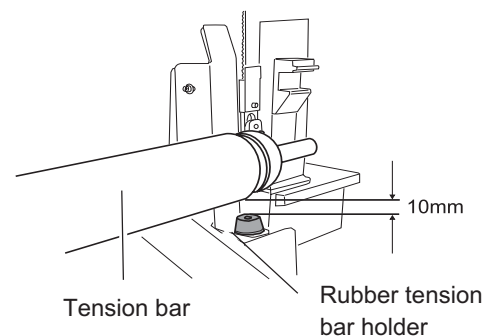
Guide pipe

- 11. Pull out the clamp lever of the plotter to press the pinch roller to the media. Then close the guide pipe press of the Auto Media Feeder.**



Pinch roller

- 12. Take up the media by the switch-Changeover/ Action and stop at approximately 10mm between the tension bar and rubber tension bar.**



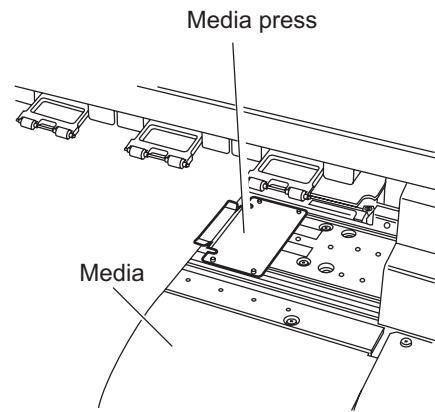
Tension bar

Rubber tension bar holder

	Surface Print 表面印刷	Back Print 裏面印刷
	< Rollin/卷取	Rollout/繰出
	< Stop/停止	Stop/停止
	< Rollout/繰出	Rollin/卷取
	< Manual / 手動	
	< Auto / 自動	

*Setting for the media backside printing

13. Pinch both edges of the media with Media press to prevent the media edge curled.



14. Select Auto. The Action switch is to be set [Roll out] (when the media backside printing).








- Be sure to select the Auto above before drawing the media, or the Auto media feeder does not work during drawing.

If drew without selecting the Auto, the buzzer sounds because the Auto Media feeder is out of operation.

When the buzzer sounds, operate the following steps to stop the buzzer:

- Press END key or REMOTE key on the operation panel. (of the printer)
- Set the Action switch on the Auto Media feeder to [Stop].
- Open the press cover of the guide pipe and then loose the media. The buzzer stops at this time.
- Close the press cover of the guide pipe.
- Operate the step 12.

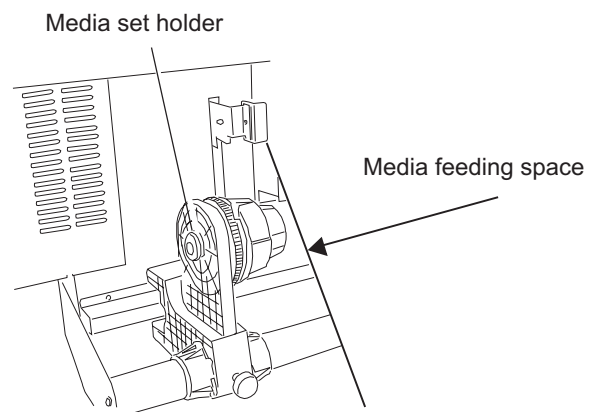
	Surface Print 表面印刷	Back Print 裏面印刷
	< Rollin/巻取	Rollout/繰出
	< Stop/停止	Stop/停止
	< Rollout/繰出	Rollin/巻取
	< Manual / 手動	
	< Auto / 自動	

*Setting for the media backside printing

15. When the operation panel displays [MEDIA SELECT], select the roll and press [ENTER] key. The system detects the media width and return to standby after detecting.



- For using the take-up unit, refer to [Using the take-up unit] (☞ P.2.41) in the operation manual for the plotter.
- For setting the second small roll media on the take-up unit, refer to [Setting two roll media] (☞ P.2.25) in the operation manual for the plotter.
- It is available to use the take-up unit with the media set holder (☞ P.1.3) for the small setting media. When using the take-up unit, take off the small media and move the media holder to the right and left, and secure a suitable space for media feeding from the Auto Media Feeder.



When drawing from the edge of the media feeding forward to the plotter

You need to operate the panel of the plotter and the Auto Media Feeder.

- Operation on the plotter side.
Feedback the media of the plotter at the edge of the media back to the border of drawing and then press ENTER key to set the origin of the media.
- Operation on the Auto Media Feeder.
As feeding cause the media loosened, take up the media by the switch-Changeover/Action.
The final set position (refer to step 12) is located approximately 10mm up from the foot.

Set the Heater Temperature

For setting the heat temperature, refer to [Heater-Temperature control] (☞ P.2.33) in the operation manual for the plotter.

Plot the Test Pattern

For plotting the test pattern, refer to [Plot the test pattern] (☞ P.2.36) in the operation manual for the plotter.

Adjust the Media Correction

For correcting the media, refer to [Correcting the media feed rate [MEDIA COMP.]] (☞ P.2.38) in the operation manual for the plotter.

Start the Plotting Operation

For plotting, refer to [plotting an image from source data] (☞ P.2.40) in the operation manual for the plotter.



- If you open the pressure cover of the right and left guide pipe on the Auto Media Feeder, the operation of the Auto Media Feeder is to be stopped for safety.
- During the plotting work, if the pressure cover of guide pipe on the Auto Media Feeder is left opened, it will affect the media installation and cause the inferior image quality.

Completion

For the media cutting and display of the operation panel, refer to [After completing the plotting operation [MEDIA CUTTING]] (☞ P.2.41) of the operation manual for the plotter.

CHAPTER 3

Daily Cleaning

This chapter describes daily cleaning.

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Routine Maintenance

Principally the regular cleaning is not allowed for the Auto Media Feeder, but observe carefully the following items.

- 1. Be careful not to allow stain to adhere to the long shaft of the guide roll (☞ P.1.3) connected to the media.**
- 2. If the guide roll is stained by ink, clean it immediately.**

For other maintenance, refer to [Daily cleaning] (☞ P.3.2) in the operation manual of the plotter.

APPENDIX

This indicates the method of removing the Auto Media Feeder from the plotter and the specification of the Auto Media Feeder.

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Remove the Auto Media Feeder

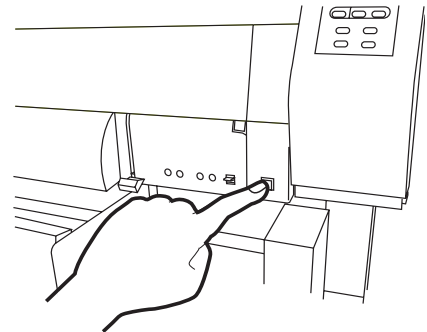
When moving the plotter to install or when the Auto Media Feeder must be removed from the plotter, replace following the procedure described below.



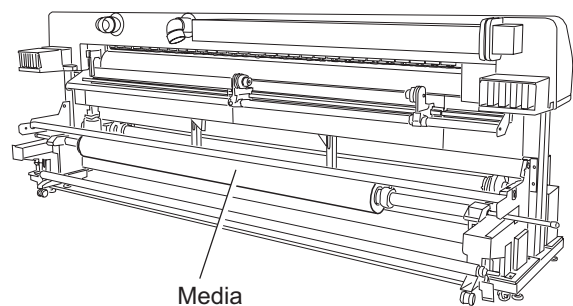
- The operation work to remove the Auto Media Feeder from the plotter should be carried out by at least two persons.
- Make sure to turn the power off of the plotter and execute the operation work.

STEPS:

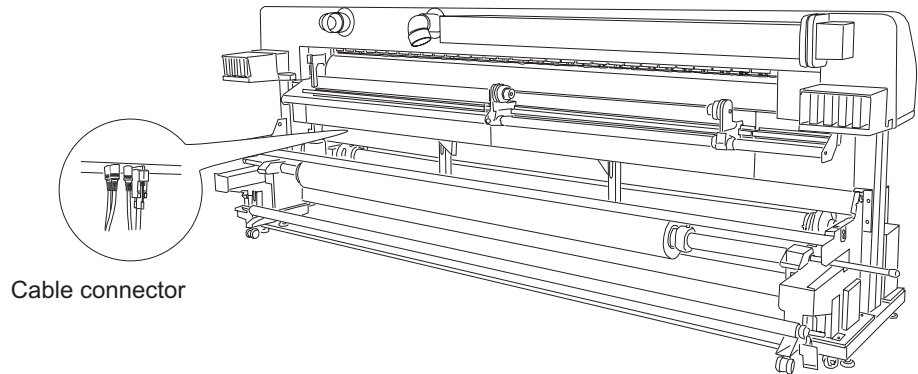
1. Presses the power switch located at the front of the plotter and turns the power off.



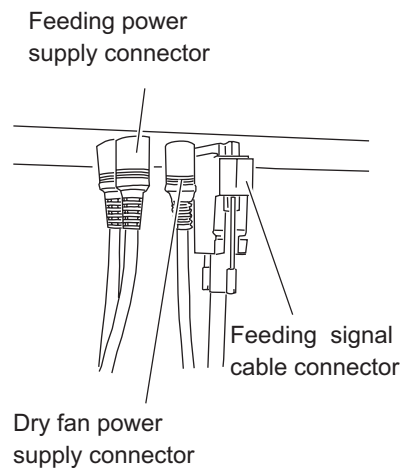
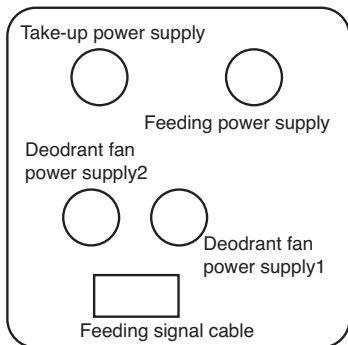
2. Remove the media from the plotter and roll them back to the Auto Media Feeder.



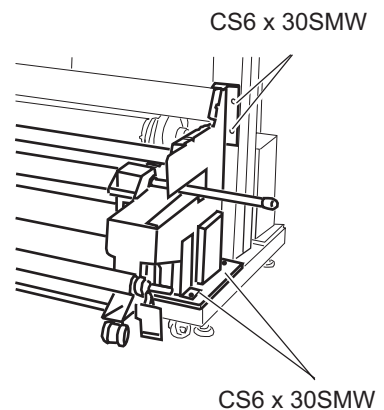
3. Remove the signal cables and the power cable connected from the Auto Media Feeder and the plotter.



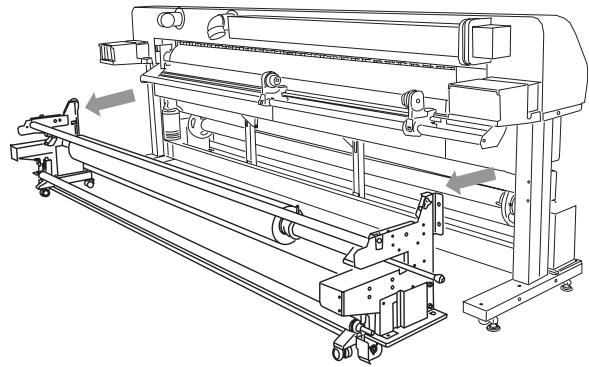
4. Two signal cables and one power cable are connected to the connector at the backside lower right bottom of the plotter. For the cable dismounted from the Auto Media Feeder, put them out of the way in a bundle.



5. Remove the right and the left CS6 x 30SMW each four screws locked the Auto MediaFeeder to the plotter, eight in all, by the L typed hexagon wrench.



6. Remove the Auto Media Feeder from the plotter.



- For setting the Auto Media Feeder to the plotter, execute an inverse procedure of step 1 to 6 of [Remove the Auto Media Feeder].

Basic Specification

Item		AMF-250
Feature		The Auto media Feeder (feeding unit) separable from the JV3-250SP. The specification of the tension bar to improve the surface irregularity caused by the heavy media feeding
Complant media		For the specification of the JV3-250SP plotter
Roll Media size	Roll outside diameter	Maximum : Ø 250 mm or less
	Roll weight	Maximum : 110 kg or less
	Roll inside diameter	3 Inch
Plotting surface		Outside (outer roll), inside (inner roll) Selectable setting direction
Operation mode		Manual : Roll / Stop / Reverse Auto : Roll / Reverse
Safety Standard		UL, VCCI-classA
Power		AC 100 — 240 V± 10% (Automatic voltage) 50/60 Hz ± 1 Hz The power is supplied to the connecting cable from the plotter The end connection same as the feeding dry fan
Recommended	Available temp.	68°F to 95 °F (20 °C to 35 °C)
Environment	Humidity	35 to 65 % Rh (No condensation)
	Guaranteed temp.	68°F to 77 °F (20 °C to 25 °C)
	Temperature change	± 14°F(10 °C) / h or less
	Dust	Equivalent to normal office level
Weight		About 35 kg
Outside dimensions		3720 mm (W) x 450 mm (D) x 600mm (H)
Shipping		The standard type of mounting to the plotter The separate optional type

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