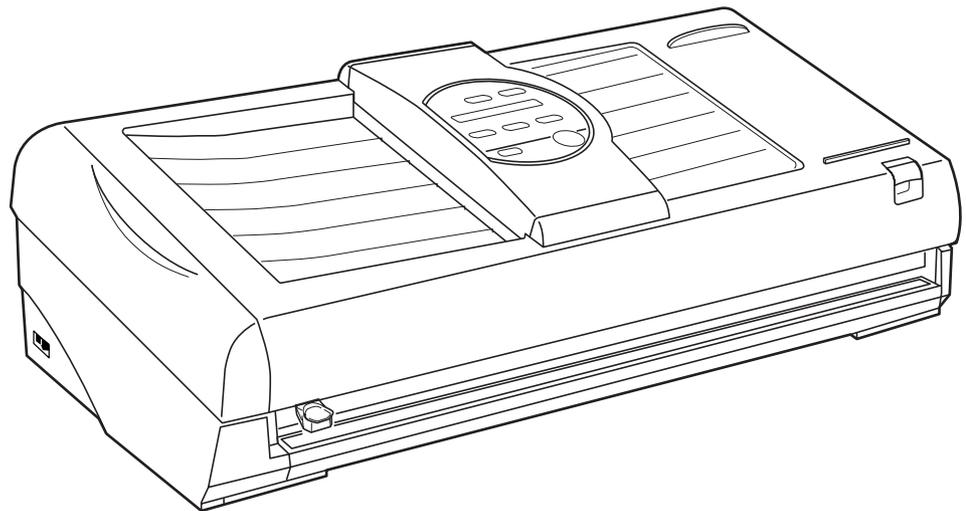




**USER'S GUIDE**

# ***POSTER PRINTER*** ***3000***



**Third Edition**

**FNA**

053DC514C



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# INTRODUCTION

In order to get the most from your PosterPrinter 3000, it is recommended that you read the instruction manual thoroughly before usage, and follow all instructions carefully. Keep the manual close at hand for future reference.

## FCC

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 communication. 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.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## EMC (Electromagnetic Compatibility Notice)

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

Cet appareil numerique de la classe A respecte toutes les exigences du Reglement sur le materiel broilleur du Canada.

# CONTENTS

<b>CONTENTS</b> .....	<b>1</b>
<b>1. BEFORE USING YOUR POSTERPRINTER 3000</b> .....	<b>2</b>
CHECKLIST OF ITEMS INCLUDED IN PACKAGE .....	2
UNPACKING THE PRINTER .....	2
INSTALLATION SPACE .....	3
CONNECTING THE POWER CORD .....	3
SAFETY PRECAUTIONS .....	4
INSTRUCTIONS FOR PROPER USE OF THE PRINTER .....	6
MAIN FEATURES OF THE POSTERPRINTER 3000 .....	7
<b>2. INDIVIDUAL PART NAMES</b> .....	<b>8</b>
FRONT VIEW .....	8
REAR VIEW .....	8
SCANNER .....	9
PRINTER .....	9
CONTROL PANEL .....	10
<b>3. BEFORE PRINTING</b> .....	<b>12</b>
INSTALLING PAPER .....	12
PROPER USE OF THE CUTTER .....	13
<b>4. BASIC FUNCTIONS</b> .....	<b>14</b>
PRINTING IN NORMAL MODE .....	14
PRINTING IN PHOTO MODE .....	16
PRINTING IN REVERSE MODE .....	17
<b>5. PRINTING DIFFERENT POSTER SIZES</b> .....	<b>18</b>
DIVISION PRINTING .....	18
PRINTING POSTERS SMALLER THAN THE PAPER SIZE .....	20
PRINTING BANNERS FROM LONG INPUT DOCUMENTS .....	21
<b>6. ADDITIONAL FUNCTIONS</b> .....	<b>22</b>
FUNCTION MODE .....	22
REMAINING PAPER MODE .....	24
<b>7. SCANNING/PRINTING AREAS</b> .....	<b>26</b>
SCANNING AREA (for letter-size originals) .....	26
PRINTING AREA .....	26
<b>8. SUPPLIES</b> .....	<b>27</b>
DESCRIPTION .....	27
POINTS TO NOTE WHEN USING POSTERPRINTER SUPPLIES .....	28
REMOVING INK FILM FROM THERMAL TRANSFER AND HDP PAPER .....	28
<b>9. TROUBLESHOOTING</b> .....	<b>29</b>
ERROR MESSAGES AND RESPONSES .....	29
TROUBLESHOOTING .....	30
<b>10. CLEANING THE PRINTER</b> .....	<b>32</b>
PRINTER .....	32
SCANNER .....	33
<b>SPECIFICATIONS</b> .....	<b>34</b>
<b>INDEX</b> .....	<b>35</b>

1

2

3

4

5

6

7

8

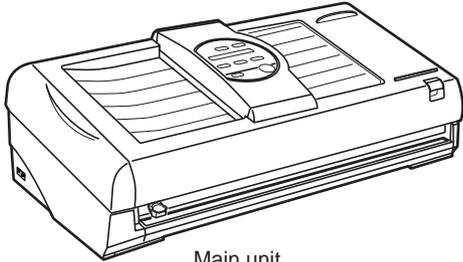
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# 1 BEFORE USING YOUR POSTERPRINTER 3000

## CHECKLIST OF ITEMS INCLUDED IN PACKAGE

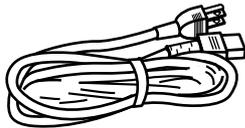
Be sure to check that all of the following items have been included in the package.



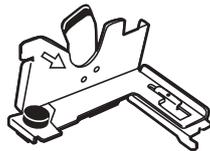
Main unit



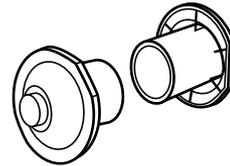
User's guide



Power cord (1)

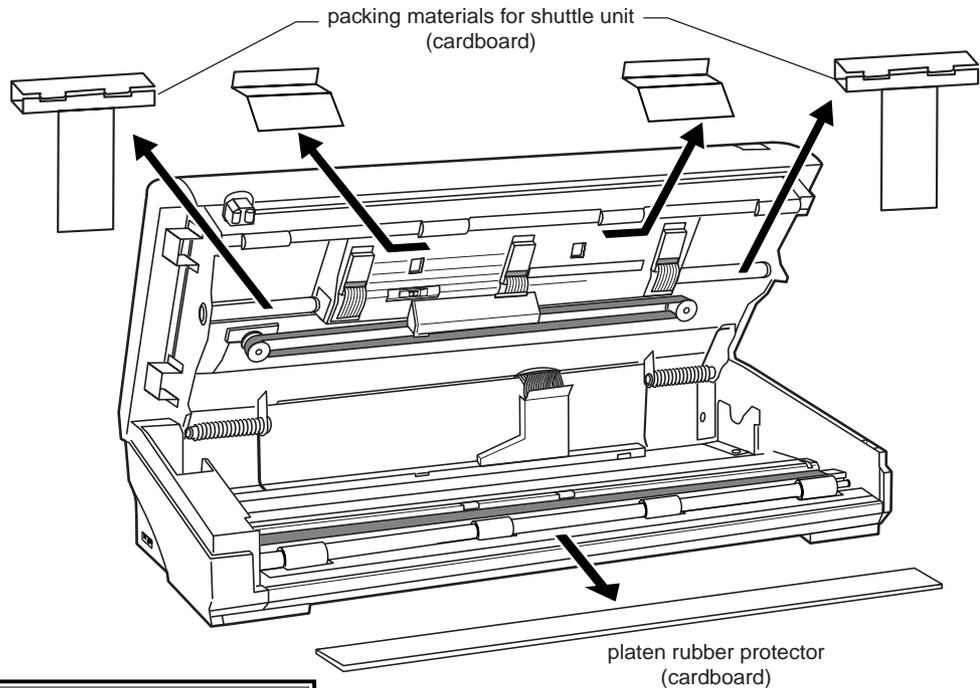


Paper bracket (1)



End caps (2)

## UNPACKING THE PRINTER

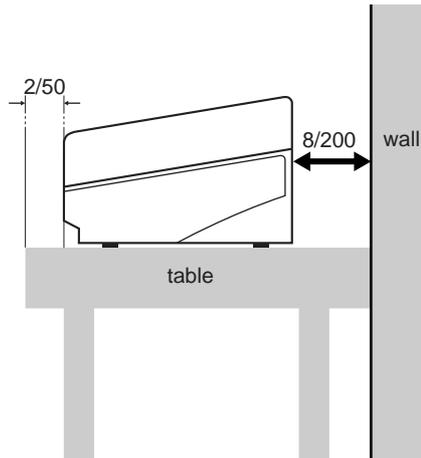
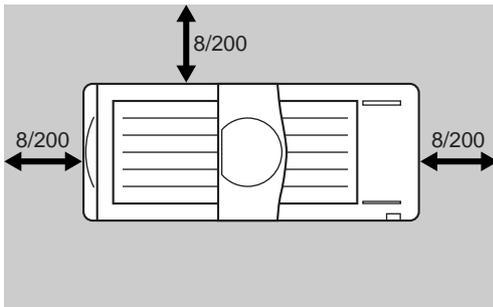


### ⚠ Caution

- Before switching the printer on, be sure to remove the cardboard protecting the shuttle unit and the platen rubber protector.
- When transporting the printer, be sure to insert these packing materials.

# INSTALLATION SPACE

To ensure the proper functioning of your PosterPrinter 3000, it is important to allow adequate space around the main unit. Install as indicated in the following diagrams (unit: inch/mm).

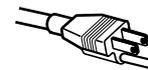
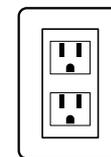
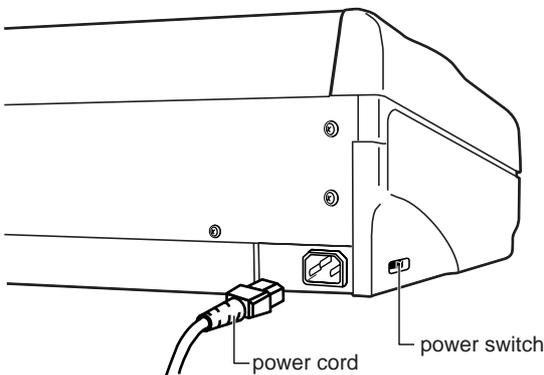


**⚠ Caution**  
Be sure to place the printer on a sturdy, flat surface.

# CONNECTING THE POWER CORD

Connect the power cord to the main unit.

Insert the power plug into a wall socket.



Inserting the plug into a three-prong socket

**⚠ Caution**

1. Always connect the power cord to the printer before inserting the plug of the power cord into a power socket.
2. When using a two-prong socket, always connect the grounding wire to a grounding terminal.

# SAFETY PRECAUTIONS

## Important

In order to ensure the proper use of the PosterPrinter 3000, the instructions in this manual have been provided with the following markings to indicate those items designed to prevent damage to property or injury to users of the printer or persons in the vicinity of the printer.

The degree of damage or injury which may result from a failure to follow the instructions in this manual properly are classified as follows:



Improper use of the printer may result in injury or damage to property.



Improper use of the printer may result in serious injury or death.

Different types of instructions to be followed have been marked with the following types of symbols. (Note that other symbols are also used within this manual.)



Items marked with this symbol are instructions for procedures which must always be undertaken. An explanatory picture will accompany the symbol.



Items marked with this symbol are warnings against actions which should never be undertaken. An explanatory picture will accompany the symbol.



- **Do not connect the printer to any power source other than one of the specified voltage.**  
Doing so may result in fire or electrical shock.
  - ▶ Make sure the printer is connected only to a 120-V power source.
- **Do not damage, crease or fold the power cord.**  
Altering the power cord, placing heavy objects on it, or allowing it to become damaged, creased, or folded may result in fire or electrical shock.
- **Do not connect the printer to a two-way or multiple-way extension cord.**  
Doing so may result in fire or electrical shock.
- **Never insert or remove the plug with wet hands.**  
Doing so may result in electrical shock.
- **Do not remove the cover from the printer.**  
Doing so may result in electrical shock.



- **Always be sure to hold the plug firmly in your hand when removing it from the power socket, never do so by simply pulling on the cord.**  
Pulling on the cord to remove the plug from the power socket or applying excessive force when doing so may cause damage to the cord, which in turn may result in fire or electrical shock.
- **In the event that the printer overheats, begins to emit smoke, or gives off an unusual odor, turn off the main power switch immediately and remove the plug from its socket.**  
Continuing to use the printer even after such problems occur may result in fire or electrical shock.
  - ▶ If any such problems occur, contact the dealer from whom you purchased your PosterPrinter 3000.
- **In the event that metal objects, water, or other liquids find their way inside the unit, turn off the main power switch immediately and remove the plug from its socket.**  
Continuing to use the printer even after such problems occur may result in fire or electrical shock.
  - ▶ If any such problems occur, contact the dealer from whom you purchased your PosterPrinter 3000.



GROUNDING

- **Always make sure that the printer is properly grounded.**

Failing to do so may cause power leakages, which in turn may result in fire or electrical shock.

- ▶ If for some reason you are unable to ground the unit, ask the dealer from whom you purchased your PosterPrinter 3000 for instructions on how to do so.



DISASSEMBLY

- **Never disassemble or modify the printer.**

Doing so may result in fire or electrical shock.

- ▶ If the printer breaks down, turn off the main power switch, remove the plug from its socket, and contact the dealer from whom you purchased your PosterPrinter 3000 to request any necessary repairs.

## CAUTION



WARNING

- **Do not place the printer on an unstable surface.**

Doing so may cause it to fall, which in turn may result in bodily injury.

- **Do not obstruct the ventilation slots.**

Doing so may cause the internal temperature of the printer to rise to abnormally high levels, which in turn may result in fire.

- **Do not place vases, potted plants, metal objects, glasses, or containers holding water or other liquids on top of the printer.**

If water or metal objects find their way inside the unit, it may result in fire or electrical shock.

- ▶ If any such problems occur, contact the dealer from whom you purchased your PosterPrinter 3000 for instructions on what to do.

- **Do not use the printer in places subject to high humidity or large amounts of dust.**

Doing so may result in fire or electrical shock.

- **Never insert metal or easily flammable objects inside the unit through the ventilation slots.**

Doing so may result in fire or electrical shock.

- **Do not place heavy objects on top of the printer.**

Doing so may cause it to fall, which in turn may result in bodily injury.

- **Always be careful to avoid overexertion when moving the printer.**

Never try to pick up or move the printer by yourself, as doing so may result in bodily injury.

- **Never push against the printer or printer stand with excessive force or tilt it away from an even keel.**

Doing so may cause it to fall, which in turn may result in bodily injury.



REMOVING PLUG

- **If the printer has been dropped or the cover damaged, turn off the power switch and remove the power cord from its socket.**

Continuing to use the printer even after such problems occur may result in fire or electrical shock.

- ▶ If any such problems occur, contact the dealer from whom you purchased your PosterPrinter 3000.

- **If moving the printer, always be sure to turn off the main power switch and remove the power cord from its socket first.**

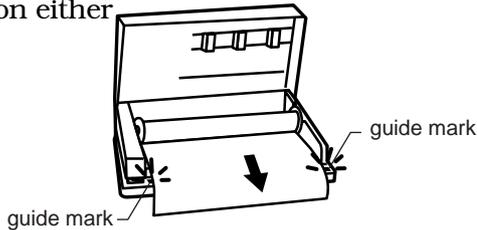
Allowing the power cord to become damaged, creased, or folded may result in fire or electrical shock.

- **If the printer is not to be used for long periods of time, turn off the main power switch and remove the power cord from its socket.**

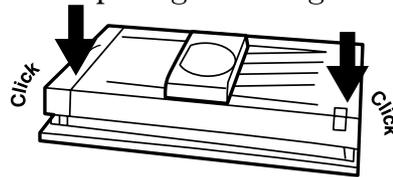
Failing to do so may cause power leakages, which in turn may result in fire or electrical shock.

# INSTRUCTIONS FOR PROPER USE OF THE PRINTER

- When installing paper, pull the end of the roll out so that any slack is removed from the paper. Align the paper with the guide marks on either side.



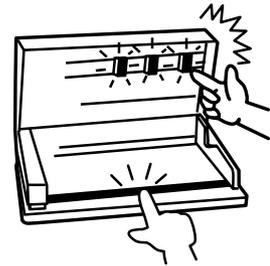
- Hold the ends of the printer cover in both hands and gently push the cover down until locked in place.
- Be sure to switch the power off when opening or closing the cover.



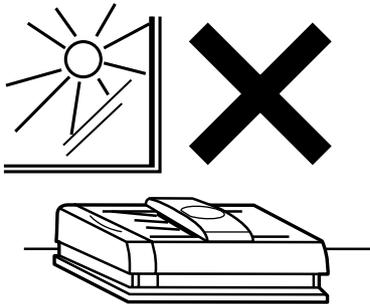
- Avoid pressing down on the printer or scanner cover while the printer is in operation.
- Avoid pulling the paper out of the machine while printing. Doing so may affect the quality of the poster.



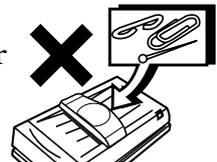
- Avoid contact with the thermal heads (which retain heat) immediately after using the printer.
- Be careful not to damage the platen rubber. Avoid wiping the platen rubber with alcohol or other solvents.



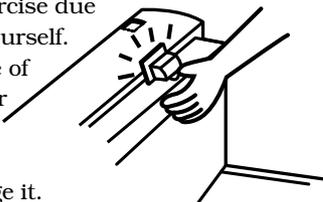
- Avoid placing the printer in a location where it is subjected to direct sunlight, large amounts of dust, or near an air conditioning or heating unit.



- Be careful to ensure that pins, paper clips, and other foreign objects are not dropped inside the printer.



- When the printer is in use, the blade of the cutter is designed so as not to protrude from the body of the machine. However, when the printer cover is open, pressing down on the cutter lever will cause the blade to protrude. Exercise due care to avoid cutting yourself.
- The cutter unit is made of resin. Avoid pushing or pulling on the cutter with excessive force, as doing so may damage it.



- Always use a soft, dry cloth when cleaning the printer.
- Avoid using abrasive cleaners, thinners, benzene, or alcohol in cleaning the printer, as doing so may cause the plastic to deteriorate or change color.



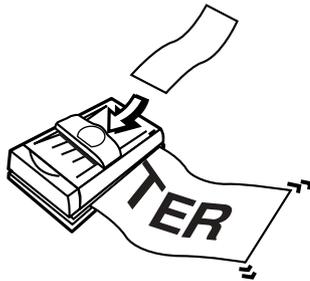
- Do not turn the power switch off during the initializing or printing, as doing so may affect output quality. Should the printer be turned off at these times, turn the switch on again, and wait until completion of the initializing or printing.

# MAIN FEATURES OF THE POSTERPRINTER 3000

**1** The PosterPrinter 3000 is designed to allow even first time users to quickly and easily print high quality enlargements of letter sized documents.



**2** Both horizontal and vertical signs and banners can be easily created from long input documents.



## POSTER PRINTER

**3** Posters can be created in a variety of sizes. Paper rolls are available in 23" and 17" widths.

(33"x44" and 44"x58" size posters can also be produced by attaching two print outs together.)



**4** A variety of paper types and colors are available.

### Direct Thermal Paper (DTP)

Cost effective and striking, direct thermal paper is available in 6 colors, and is suitable for the creation of posters to be displayed indoors.

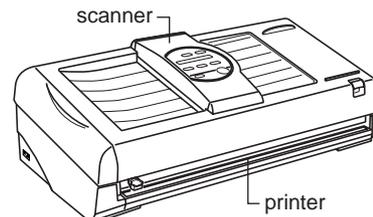
### Thermal Transfer Paper (TTP)

Similar to a regular type paper, thermal transfer paper resists discoloration and is suitable for the creation of posters which are to be displayed for long periods of time.

### Heavy Duty Poly Paper (HDP)

Made of plastic, HDP paper is waterproof, resists discoloration and offers excellent durability which makes it suitable for the creation of posters to be displayed outdoors.

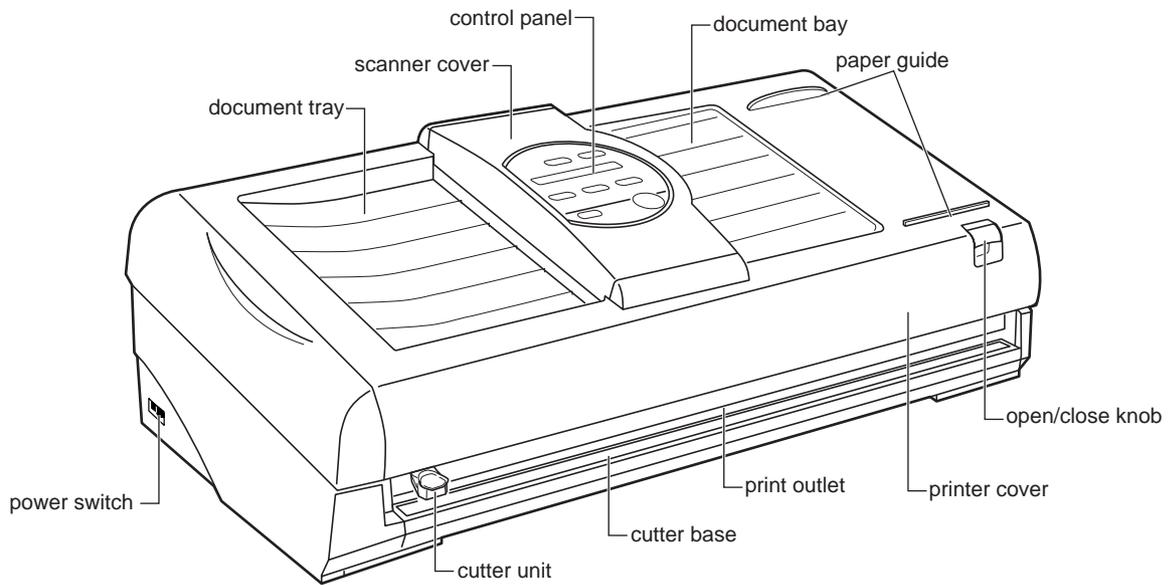
**5** Both printer and scanner are contained in one compact and light unit, making installation possible even in restricted spaces.



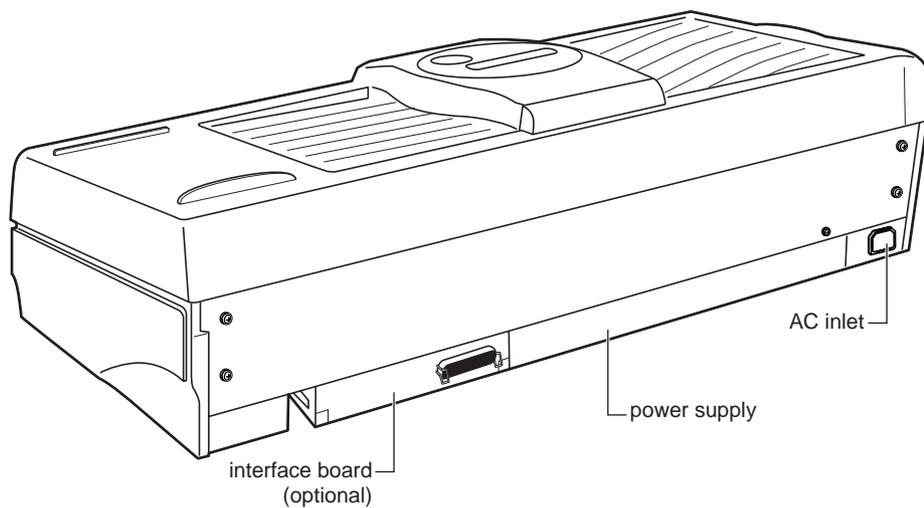
# 2

# INDIVIDUAL PART NAMES

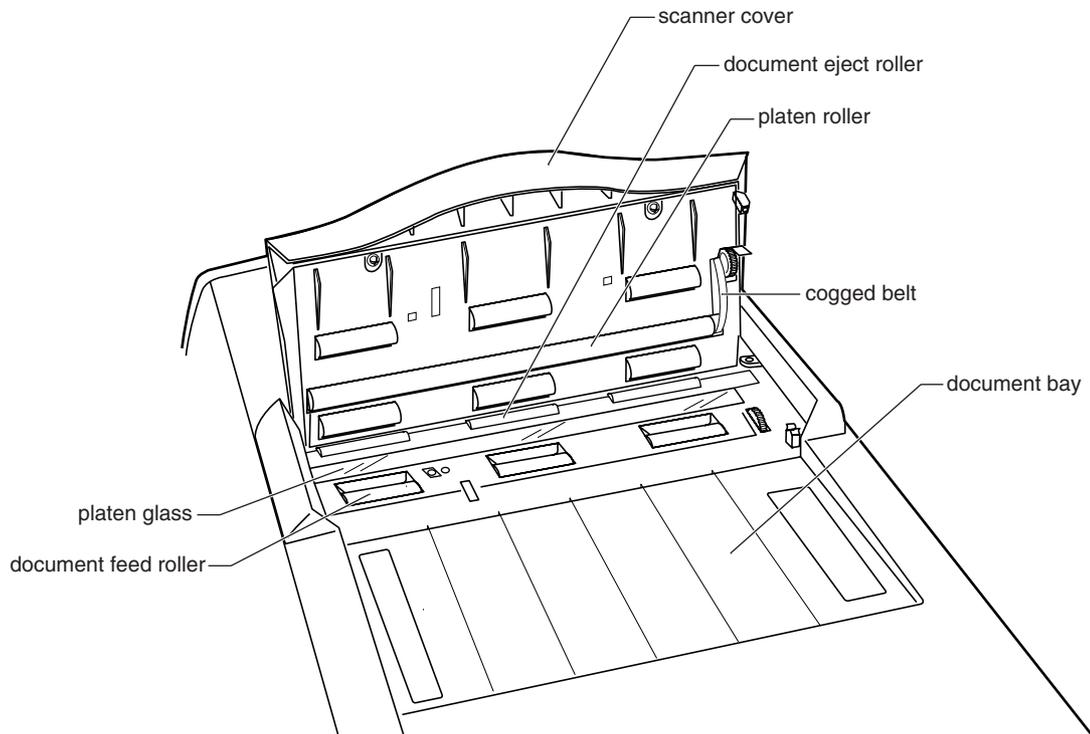
## FRONT VIEW



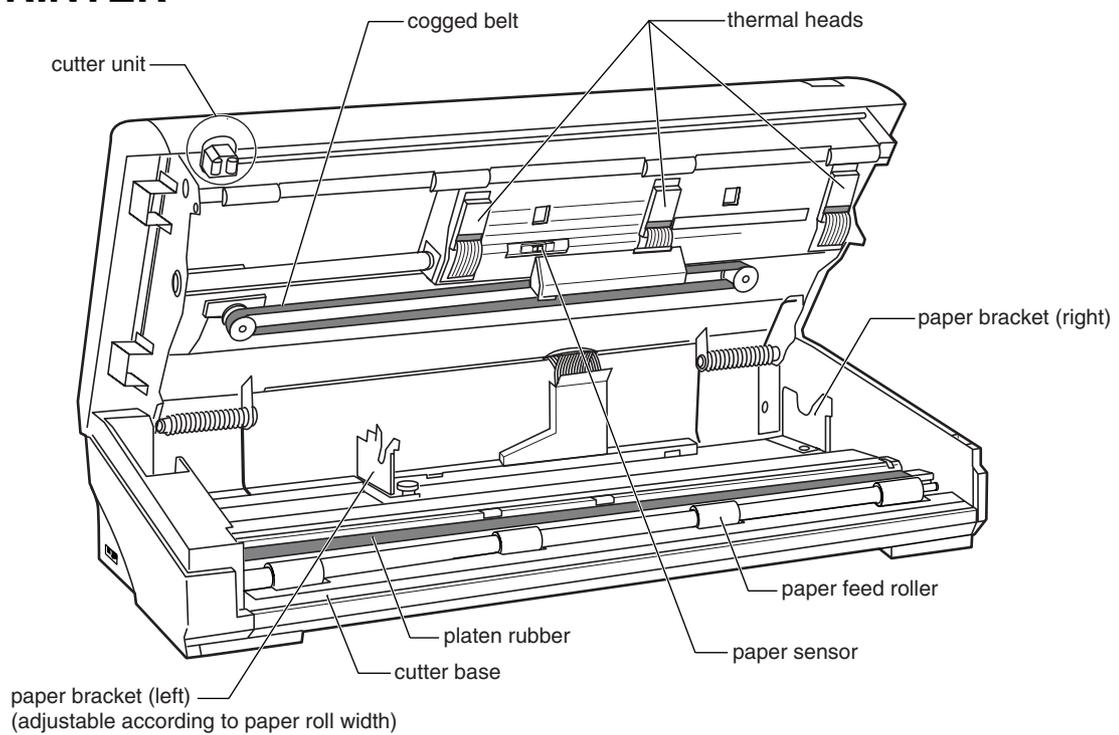
## REAR VIEW



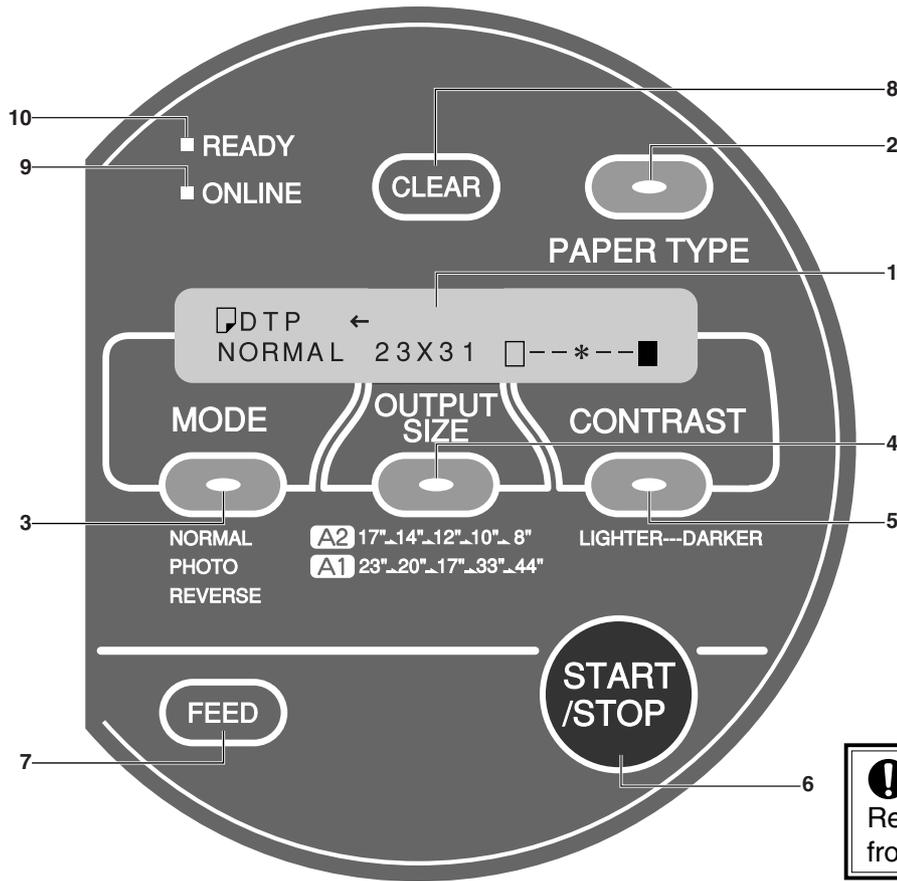
## SCANNER



## PRINTER



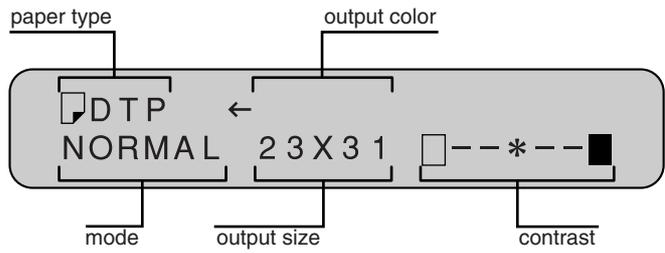
## CONTROL PANEL



**Caution**  
Remove the protective covering from the control panel before use.

No.	Name	Function
1	MESSAGE display	The message display indicates the paper type and output color, mode, output size, contrast, and any operating/error messages.
2	PAPER TYPE key	Press the paper type key to set the type of paper installed in the printer (DTP, TTP, HDP). If the paper type is set incorrectly, contrast on the poster may be affected.
3	MODE key	Press the mode key to set the desired mode (normal, photo, reverse).
4	OUTPUT SIZE key	Press the output size key to set the desired output size.
5	CONTRAST key	Press the contrast key to lighten or darken contrast in accordance with the input document.
6	START/STOP key	Press the start/stop key to either start printing, or to stop the printing process midway.
7	FEED key	Press the feed key to feed the paper through the printer (approximately 3"/77mm at a time).
8	CLEAR key	The clear key is mainly used when printing in online mode. (Refer to the Interface Kit User's Guide.)
9	ONLINE lamp	The printer is in online mode with a computer when this lamp is lit.
10	READY lamp	The printer is ready to use when this lamp is lit.

## Message Display



## Paper Types

### Setting paper type and a description of each

There are three types of paper, direct thermal paper (DTP), thermal transfer paper (TTP) and heavy duty poly paper (HDP). Choose the paper type according to usage.

Refer to 'SUPPLIES', p27.

#### Direct Thermal Paper (DTP)

Cost effective and striking, direct thermal paper is available in 6 colors, and is suitable for the creation of posters to be displayed indoors.

#### Thermal Transfer Paper (TTP)

Similar to a regular type paper, thermal transfer paper resists discoloration and is suitable for the creation of posters which are to be displayed for long periods of time.

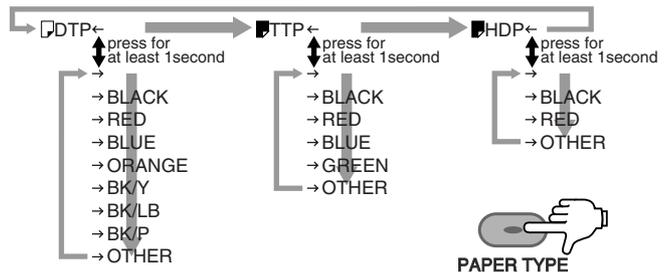
#### Heavy Duty Poly Paper (HDP)

Made of plastic, HDP paper is waterproof, resists discoloration and offers excellent durability which makes it suitable for the creation of posters to be displayed outdoors.

### Output colors and the message display

Pressing the paper type key for at least one second when the paper type is indicated on the message display will change the direction of the arrow (to the right) to display the sequence of output colors. Each time the paper key is pressed, the following color will be indicated. Press the key again for at least one second. The arrow will change back to the left. (Press the start/stop key to hold the output color.)

Note that if a color is selected on the display differing to the output color of the paper installed in the printer, the output color will not change to the specified color.



## Mode

Mode	Display	Document Type
NORMAL	NORMAL	For all (non-photographic) input documents
PHOTO	PHOTO	For photographs
REVERSE	REVERSE	Black and white areas of the input document are reversed on the poster

## Output Size

Output sizes are displayed in the following order according to the width of paper installed in the printer.

Paper size	Output size
A2 (17")	17" 14" 12" 10" 8"
A1 (23")	23" 20" 17" 33"(  33"(  44"(  44"(

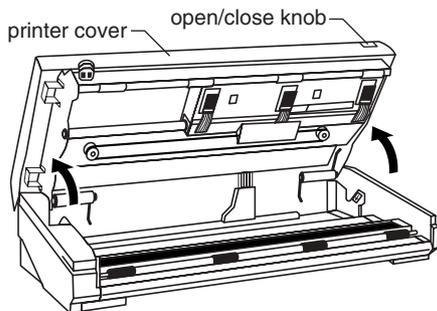
## Contrast

There are five levels of contrast, as indicated by the \* mark.

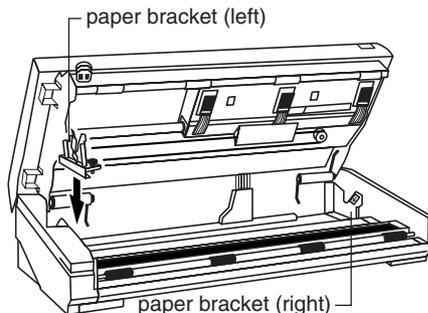
Display	Contrast
---*---	For posters of normal contrast
----*--	To slightly darken posters
-----*	To darken posters
*-----	To lighten posters
-*-----	To slightly lighten posters

## INSTALLING PAPER

- 1** After releasing the open/close knob, lift the printer cover gently until it comes to rest in the open position.

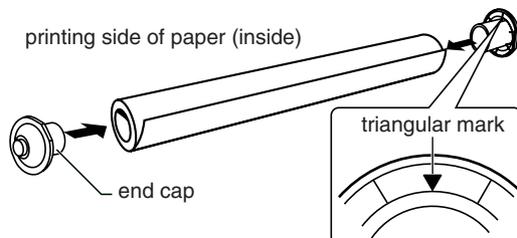


- 2** Set the left paper bracket into position according to the width of the paper to be used. Refer to 'Setting the left paper bracket', p13.



- 3** Insert the end caps into both ends of the paper roll.

Note that the triangular marks on the end caps are designed as guides to show the amount of paper remaining on the roll.

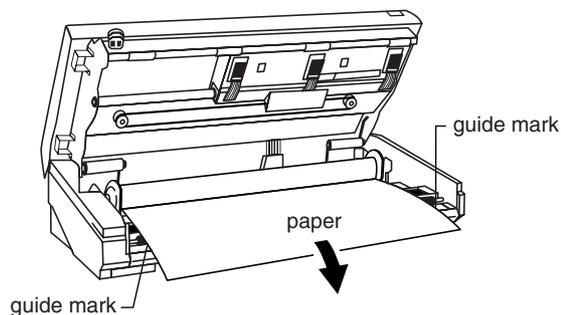


**The paper remaining from the tip of the mark:**

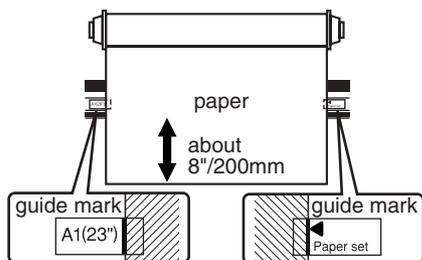
direct thermal paper: approximately 19.7ft/6m.

thermal transfer paper and HDP paper: approximately 26.2ft/8 m.

- 4** Install the paper in the printer. Install the paper roll so that the end of the paper runs out from the bottom of the roll.

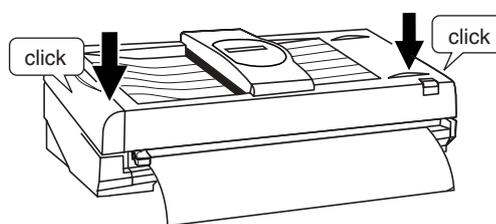


- 5** Align the paper with the guide marks. When installing paper, pull the end of the roll out approximately 8"/200mm, so that any slack is removed from the paper. Align the paper with the guide marks on either side.



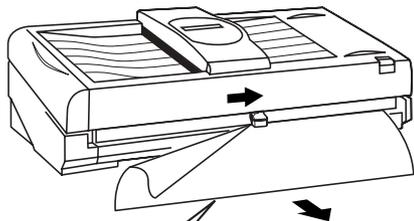
If the paper is installed incorrectly, the poster may be printed at an angle, or wrinkles may occur.

- 6** Hold the ends of the printer cover with both hands and gently push the cover down until locked in place. Check that both ends are closed properly.



If the printer is turned on, about 1.8"/45mm of paper will automatically advance.

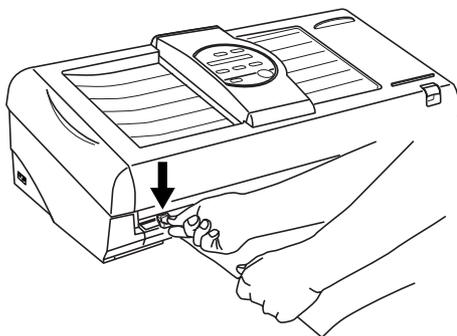
### 7 Cut the paper.



Move the cutter in a downward horizontal sliding motion while holding the paper out from the printer.

## PROPER USE OF THE CUTTER

1 Lightly press down on the cutter lever while holding the edge of the paper underneath it.



2 Move the cutter unit in a sliding motion towards the right to cut the paper.



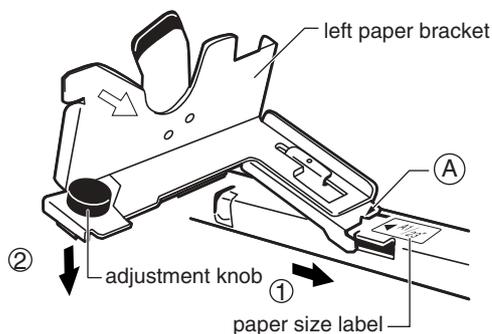
Using force on the paper cutter has no advantageous effect. Pressing down lightly is sufficient. The cutter may be used from either direction.

**Caution**  
When the printer cover is open, pressing down on the paper cutter lever will cause the blade to protrude. Exercise due care to avoid cutting yourself.

## Setting the left paper bracket

### Setting the bracket in the printer

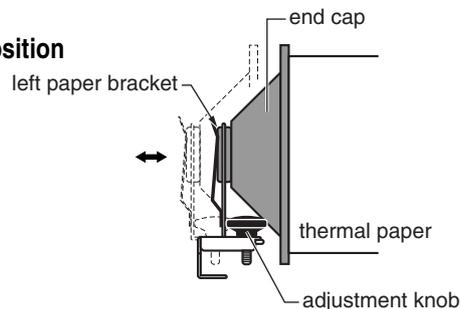
Install part (A) of the bracket according to the paper size label marks, in order ① ②



### Adjusting the left paper bracket

If the paper (with end caps attached) does not fit properly in the paper bracket, loosen the adjustment knob and move the paper bracket so that the paper can be installed properly.

#### correct set position



# 4

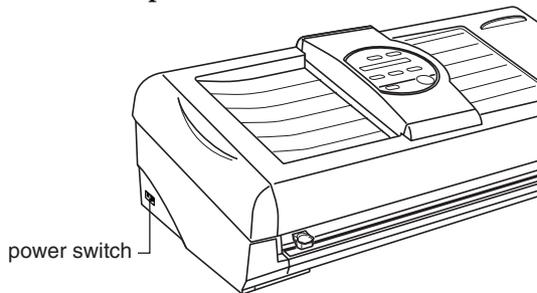
# BASIC FUNCTIONS

## PRINTING IN NORMAL MODE



4

**1** Turn the power switch on.



### Caution

Do not turn the power switch off when the printer is initializing or printing.

**2** Press the paper type key to select the type of paper being used.

Press the paper type key to match the paper indicated on the display to the type of paper in use.

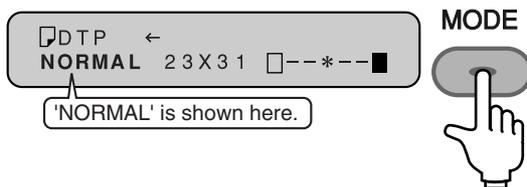
The paper type is shown here.



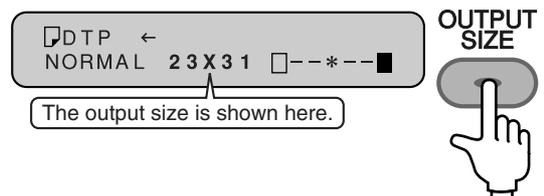
### Caution

Note that it will be impossible to achieve normal print contrast if the paper type indicated on the message display is not the same as the paper actually being used.

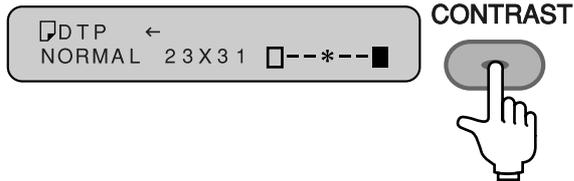
**3** Press the mode key to set the printer in normal mode.



**4** Press the output size key to select the size of print desired.

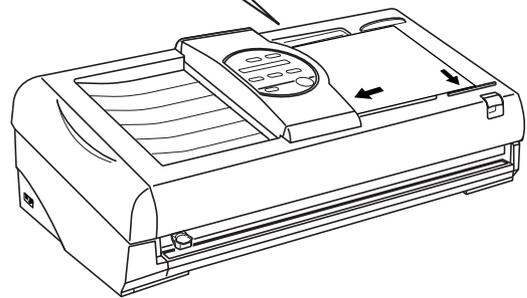


- 5** Press the contrast key to select the level of contrast desired.

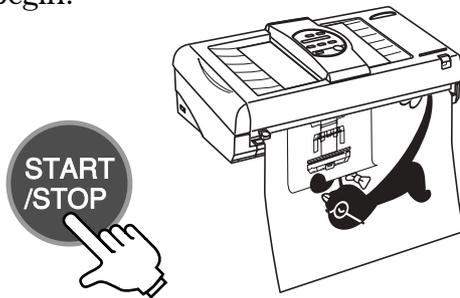


- 6** Place the original into the document bay face down.

Make sure the original is placed firmly along the document guide closest to you, and into the scanner until it stops.



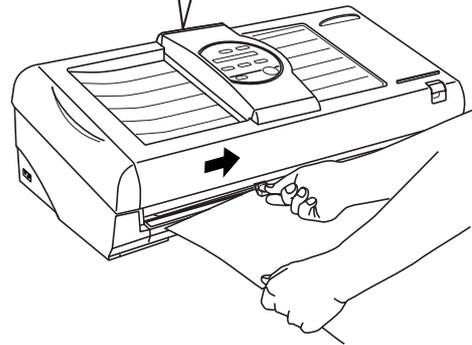
- 7** Press the start/stop key to scan the original. The printing process will begin.



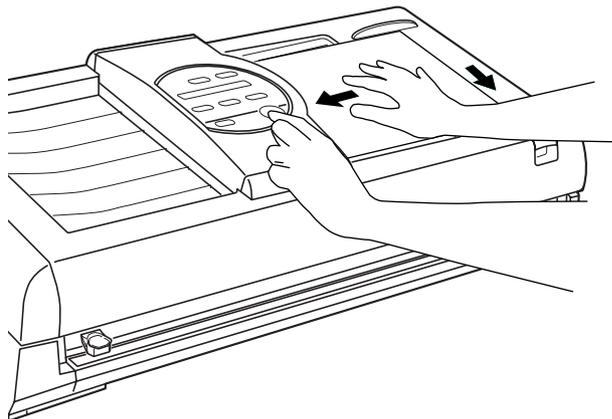
If you wish to stop printing mid-way press the start/stop key again.

- 8** When the printing process is complete, cut the print with the paper cutter.

Move the cutter in a downward horizontal sliding motion while holding the paper out from the printer.



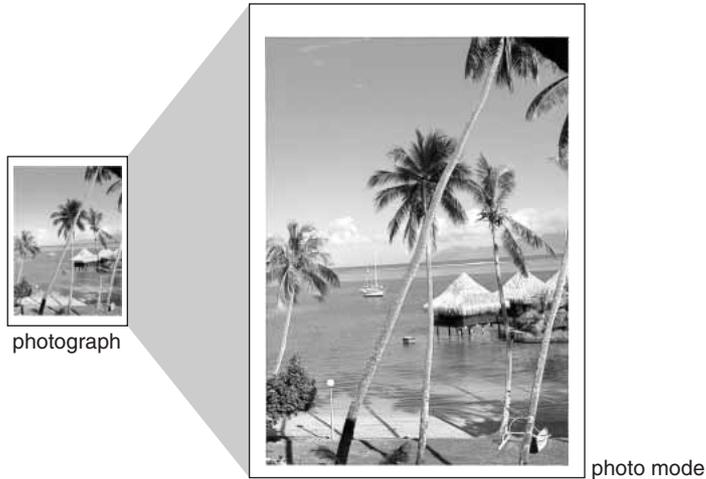
## What to do when a 'document jam' error occurs



1. Open the scanner cover to remove the original.
2. Reinsert the original until it stops, and press the start/stop key.

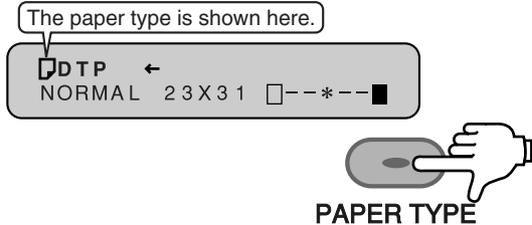
If the original is not placed into the scanner until it stops, an error may occur.

## PRINTING IN PHOTO MODE

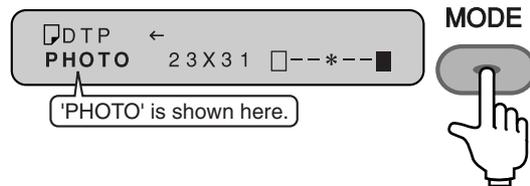


4

- 1 Press the paper type key to select the type of paper being used.



- 2 Press the mode key to set the printer in photo mode. Select the desired output size and level of contrast.



- 3 Place the original into the document bay face down. Press the start/stop key to begin printing.



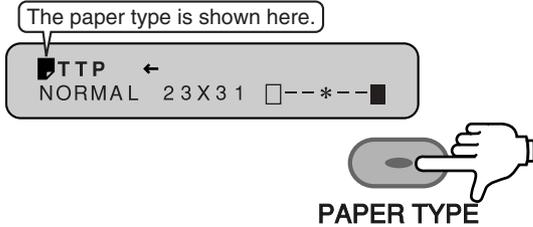
### Points to note when using photo mode

- Text portions are sometimes printed in slightly lighter colors. If this happens, set the print contrast to a darker position.
- White areas on photographs may appear with dot-shaped blotches in the print. If this happens, set the print contrast to a lighter position.
- Horizontal and/or vertical lines may appear at regular intervals on the print. This is normal and does not indicate an error in the printing process.
- Yellow portions of photographs are sometimes poorly reproduced.
- Printing speed in photo mode is slower than that of normal mode.

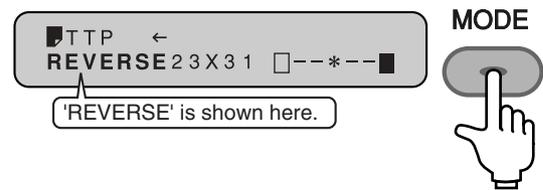
# PRINTING IN REVERSE MODE



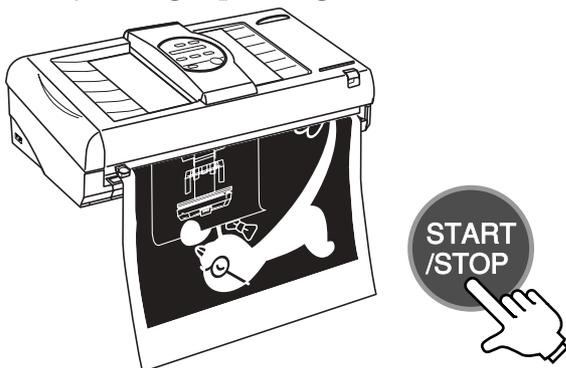
**1** Press the paper type key to select the type of paper being used.



**2** Press the mode key to set the printer in reverse mode. Select the desired output size and level of contrast.



**3** Place the original into the document bay face down. Press the start/stop key to begin printing.



## Points to note when using reverse mode

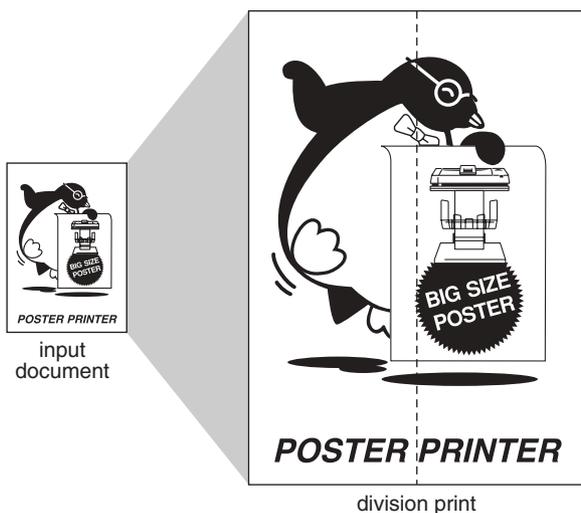
- The printer is designed to monitor the temperature of the thermal heads and to control printing speed so as to prevent them from overheating. (If this happens, a 'SLOW MODE' message will appear on the message display.)

# PRINTING DIFFERENT POSTER SIZES

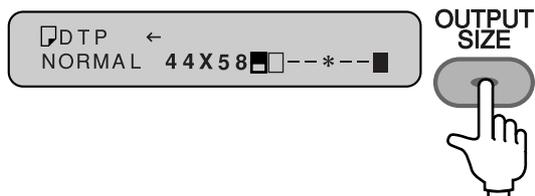
## DIVISION PRINTING

Printing two halves of a larger poster from one input document is called *division printing*.

### Using A1(23") paper to produce a 44"x58" size poster

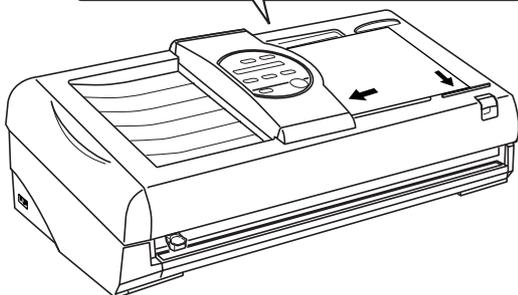


- 1 Select the paper type, mode and contrast. Set the output size so that it appears as 44x58 on the message display.



- 2 Place the original into the document bay face down. Press the start/stop key to begin printing.

Make sure the original is placed firmly along the document guide closest to you, and into the scanner until it stops.

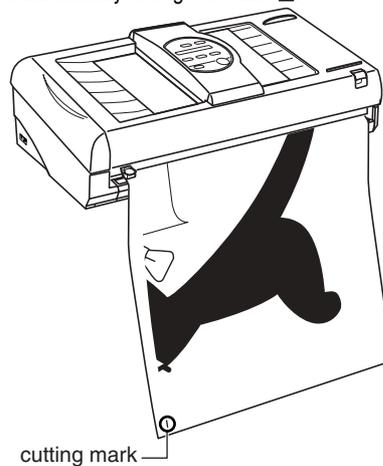


START  
/STOP



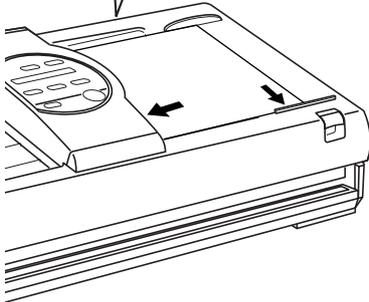
- 3 The left side of the original will be printed first. When the printing process is complete, cut the print with the cutter.

When the left side is complete, the output size on the message display will automatically change to 44x58.

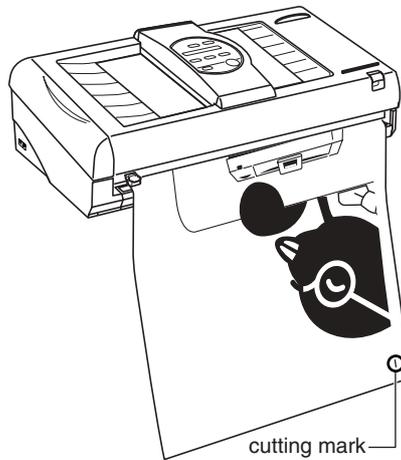


**4** Insert the original once more into the document bay, making sure it faces the same direction. Press the start/stop key to begin printing the right side of the original.

Note that the two halves will not be aligned properly if the original is not placed correctly into the document bay.



**5** The right half of the original will then be printed. When the printing process is complete, cut the print with the cutter.



When printing in divisions, cutting marks are automatically printed on the output.

**6** Paste the two sides of the print together to form a single poster.

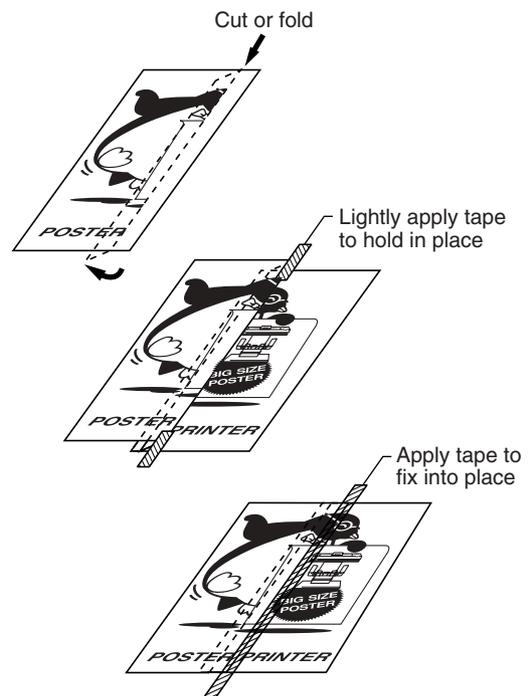


If you wish to print only the right side of the original, press the output size key until 44x58 appears on the message display, and then press the start/stop key.

## Pasting two output sheets together

1. Cut away or fold back the excess margin area of the first sheet, using the cutting marks provided as a guide.
2. Align the first output sheet with the second one so that the edge of the first is against the cutting marks of the second, and so the printed images of both halves are properly lined up. Once one sheet has been laid over the other, fix lightly into place by applying tape to both ends of the output sheets.
3. Apply a longer strip of tape over the tapes first applied and cut away any excess when both halves of the output have been fixed together.

- Discoloration and fading may result depending on the type of tape used.
- The cutting marks are to be used as guides when cutting.
- If the left and right sides do not align properly, adjust the image of one side so that they do.

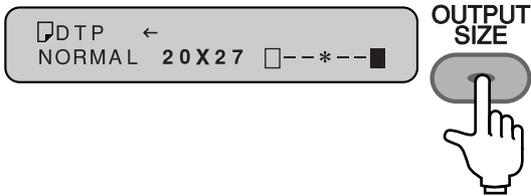


# PRINTING POSTERS SMALLER THAN THE PAPER SIZE

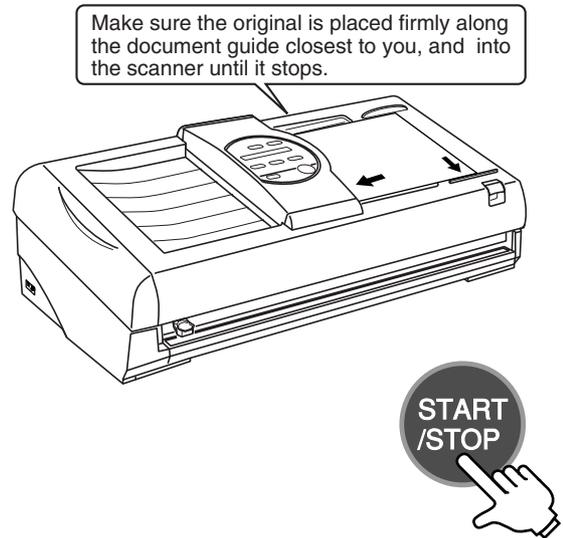
Procedure for printing posters smaller in width than the paper size

## Using A1(23") paper to produce a 20"x27" size poster

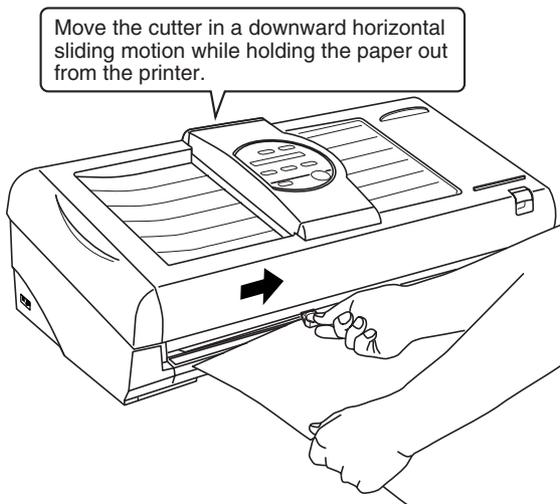
- 1 Select the paper type, mode and contrast. Set the output size so that it appears as 20x27 on the message display.



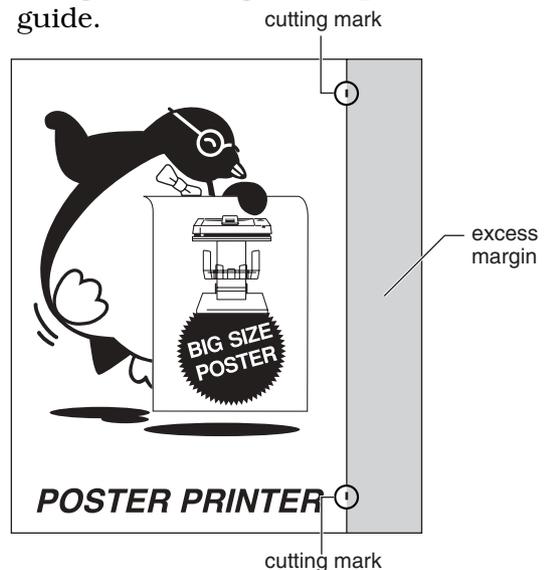
- 2 Place the original into the document bay face down. Press the start/stop key to begin printing.



- 3 When the printing process is complete, cut the print with the cutter.



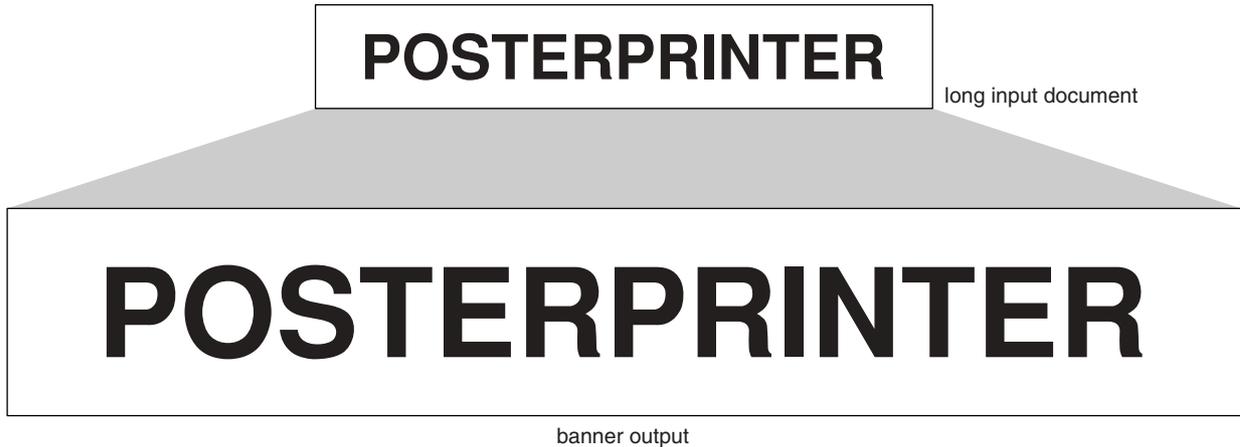
- 4 Cut away the excess margin area, using the cutting marks provided as a guide.



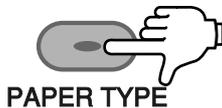
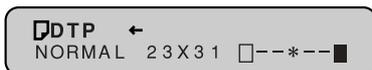
When printing posters of smaller width than the paper size, cutting marks are automatically printed on the output.

# PRINTING BANNERS FROM LONG INPUT DOCUMENTS

Both horizontal and vertical signs and banners can be easily created from long input documents.



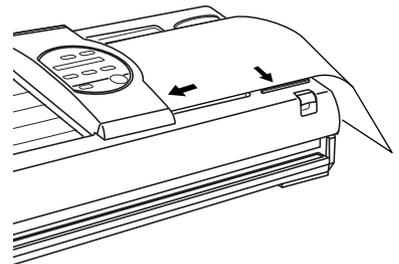
- 1 Press the paper type key to select the type of paper being used.



- 2 Select the desired mode, level of contrast and output size.



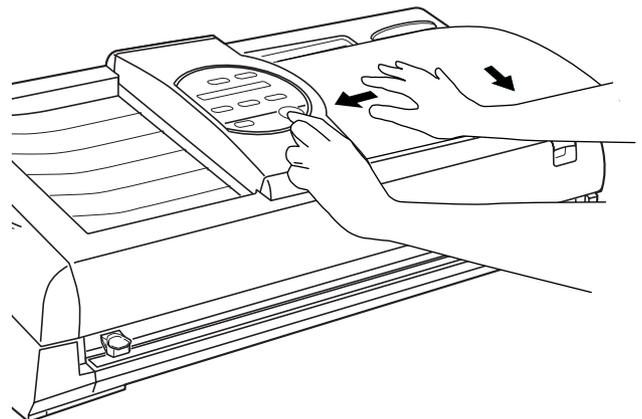
- 3 Place the original into the document bay face down. Press the start/stop key to begin printing.



## Points to note in printing banners

- Make sure the original is placed firmly along the document guide closest to you, and into the scanner until it stops. Failing to do so may result in an error.
- The banner will not be aligned properly if the original is not placed correctly into the document bay.
- Always check the amount of remaining paper before printing banners.

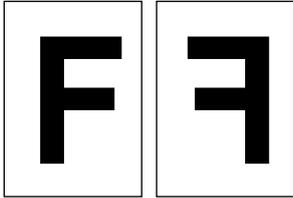
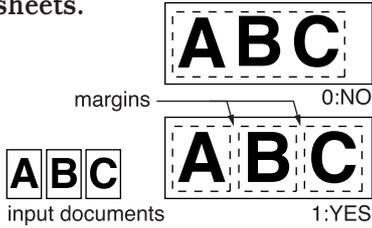
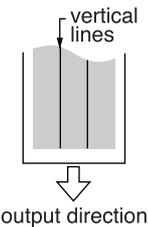
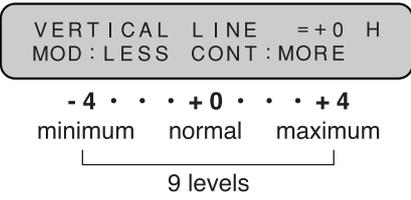
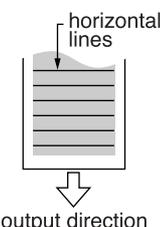
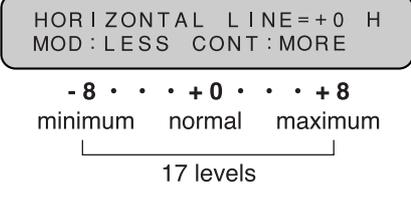
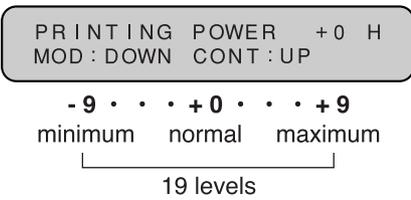
Refer to 'CHECKING THE AMOUNT OF REMAINING PAPER', p25.



## FUNCTION MODE

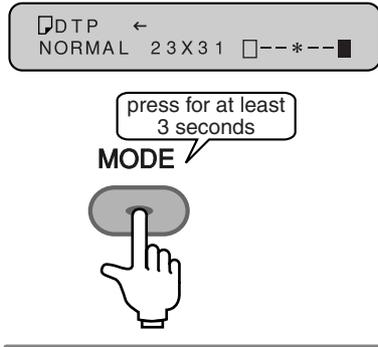
The following parameters can be input into the printer, to adjust printing functions and quality.

### Function Description and Messages

	Function / Description	Message display
Image direction	<p>The direction of the image can be changed to create a mirror image of the original.</p>  <p>0:NORMAL      1:MIRROR</p>	 <p>MODE key      CONTRAST key</p> <p><b>0:</b> The poster is printed in its original direction</p> <p><b>1:</b> The poster is printed as a mirror image of the original</p> <p>Initially, the printer is set at <b>0</b>.</p>
Page gap	<p>The white gaps between pages can be eliminated when printing banners from a series of original sheets.</p> <p><b>Caution</b></p> <ul style="list-style-type: none"> <li>• If 'No' is selected for page gap, cutting marks will not be printed on the poster.</li> <li>• If 'No' is selected for page gap, be sure to press the paper feed key before cutting the banner.</li> </ul>  <p>input documents      output documents</p> <p>0:NO      1:YES</p>	 <p><b>0:</b> The poster is printed without gaps between the pages</p> <p><b>1:</b> The poster is printed with gaps between the pages</p> <p>Initially, the printer is set at <b>1</b>.</p>
Vertical line adjustment	<p>Vertical lines which may show up on the printed image can be adjusted to appear less conspicuous. For dark lines, press the mode key to reduce the setting level. For white lines, press the contrast key to increase the setting level. Note that it is difficult to completely eliminate lines that appear on the output document.</p>  <p>vertical lines</p> <p>output direction</p>	 <p>minimum      normal      maximum</p> <p>9 levels</p> <p>Initially, the printer is set at <b>+0</b>.</p>
Horizontal line adjustment	<p>Horizontal lines which may show up on the printed image can be adjusted to appear less conspicuous. For dark lines, press the mode key to reduce the setting level. For white lines, press the contrast key to increase the setting level. Note that it is difficult to completely eliminate lines that appear on the output document.</p>  <p>horizontal lines</p> <p>output direction</p>	 <p>minimum      normal      maximum</p> <p>17 levels</p> <p>Initially, the printer is set at <b>+0</b>.</p>
Printing power	<p>Thermal head printing power can be adjusted to any of 19 levels. Press the mode key (-) and the contrast key (+) to shift the setting one level in that direction.</p>	 <p>minimum      normal      maximum</p> <p>19 levels</p> <p>Initially, the printer is set at <b>+0</b>.</p>

## Setting Functions

- 1 Press the mode key for at least 3 seconds to set the printer in function mode.



The 'IMAGE DIRECTION' screen will be displayed.

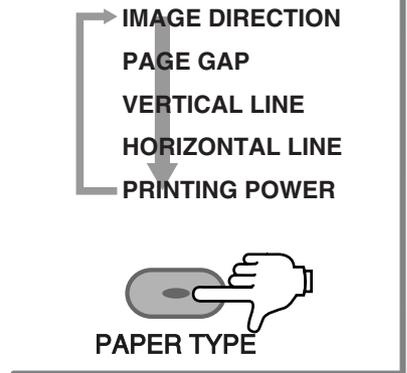
IMAGE DIRECTION=0 H  
MOD:0-NOR CONT:1-MIR

### Selecting different items in function mode

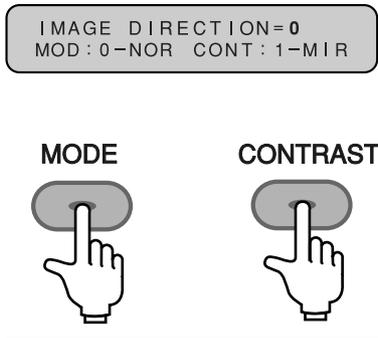
Repeatedly pressing the paper type key will display all of the functions in function mode.



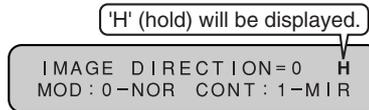
- 2 Press the paper type key to select the desired function.



- 3 Use the mode and contrast keys to select the parameters as desired.

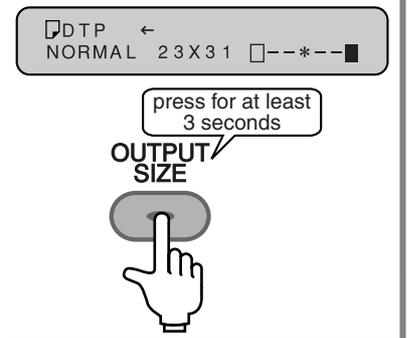


- 4 Press the start/stop key to store the input data.



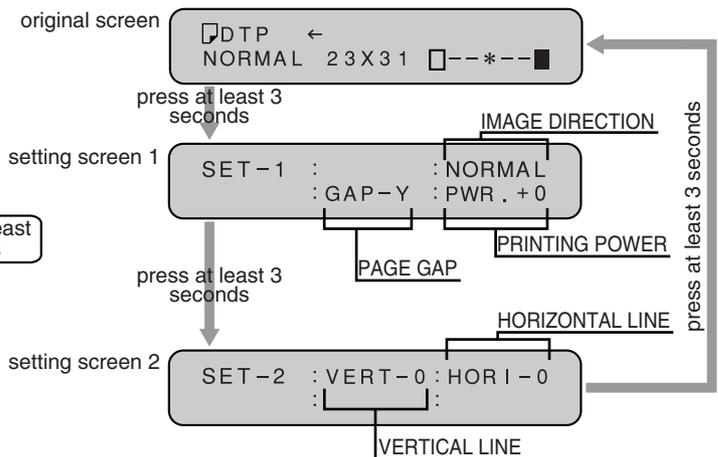
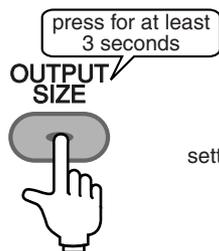
Repeat steps 2 - 4 to set additional parameters.

- 5 Press the output size key for at least 3 seconds to revert to the original message display.



## Checking Current Setting

Pressing the output size key for at least 3 seconds when the printer is in normal mode displays the first setting screen. Pressing the output size key for a further 3 seconds displays the second setting screen. Pressing the output size key again will revert the screen to the original message display.



# REMAINING PAPER MODE

Use the remaining paper mode to check how much paper remains on the roll in use. In addition, if the paper roll is changed midway, the amount of remaining paper can be printed on the roll for future reference.

## Setting the Amount of Remaining Paper

**1** Press the clear key for at least 3 seconds.

☐DTP←  
NORMAL 23X31 ☐--\*--■

press for at least  
3 seconds



**2** The 'RESIDUAL' screen in remaining paper mode will be displayed. Press the start/stop key.

PAPER RESIDUAL MODE  
1:RESIDUAL 85ft



**3** The 'INPUT RESIDUAL' screen will be displayed. Input the amount of remaining paper.

INPUT RESIDUAL= 98  
(85 OR 98) feet

For new rolls of direct thermal paper:

Each time the paper type key is pressed, the display shows '85' or '98'. Input 98 feet.

For new rolls of thermal transfer paper or HDP paper:

Each time the paper type key is pressed, the display shows '85' or '98'. Input 85 feet.

For rolls of paper that are already used:

Input the amount using the mode key (-) and contrast key (+). Each time either key is pressed, the number advances 1ft. further in that direction.

**4** Press the start/stop key to store the input data.

'H' (hold) will be displayed.

INPUT RESIDUAL= 98 H  
(85 OR 98) feet



**5** Press the start/stop key for at least 3 seconds to revert to the 'RESIDUAL' screen in remaining paper mode.

PAPER RESIDUAL MODE  
1:RESIDUAL 98ft

press for at least  
3 seconds



**6** Press the clear key for at least 3 seconds to revert to the original message display.

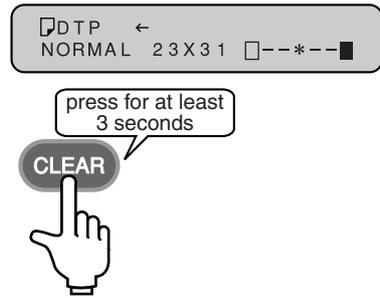
☐DTP←  
NORMAL 23X31 ☐--\*--■

press for at least  
3 seconds



## Checking the Amount of Remaining Paper

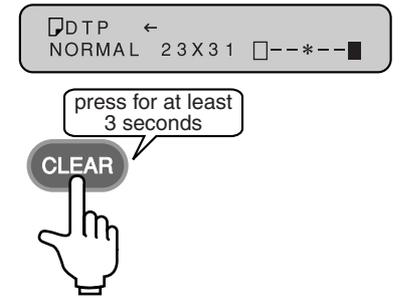
**1** Press the clear key for at least 3 seconds.



**2** The 'RESIDUAL' screen in remaining paper mode will be displayed. The amount of remaining paper is displayed in feet.

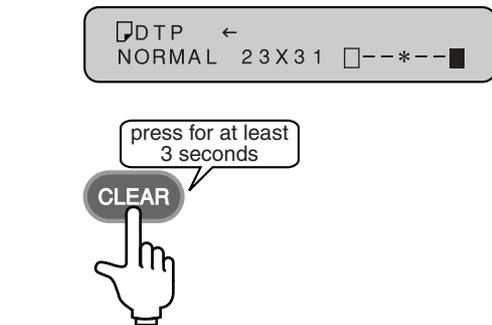


**3** Press the clear key for at least 3 seconds to revert to the original message display.

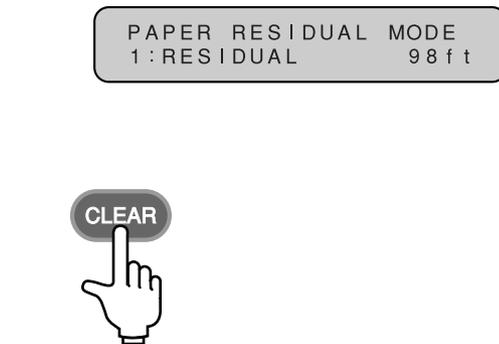


## Printing the Amount of Remaining Paper

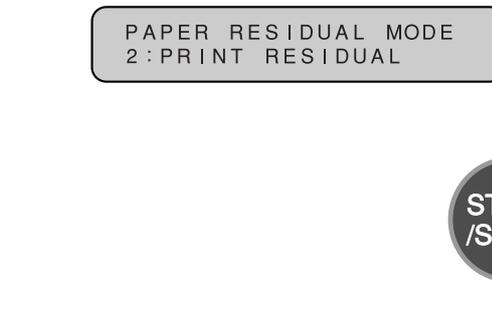
**1** Press the clear key for at least 3 seconds.



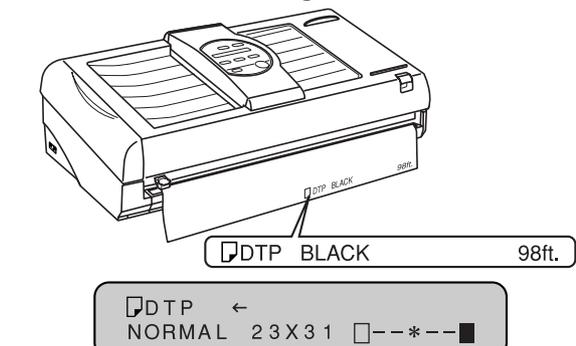
**2** The 'RESIDUAL' screen in remaining paper mode will be displayed. Press the clear key.



**3** The 'PRINT RESIDUAL' screen in paper remaining mode will be displayed. Press the start/stop key.

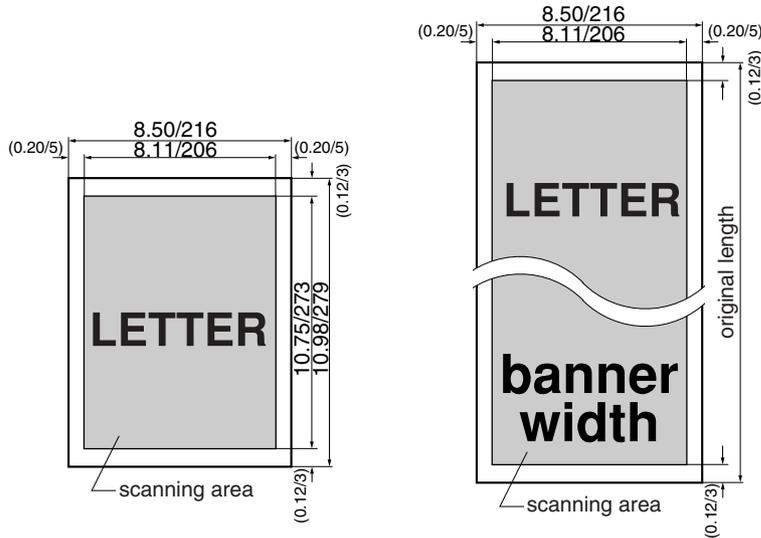


**4** When the printing process is complete, the message display will revert to the original screen.



# SCANNING/PRINTING AREAS

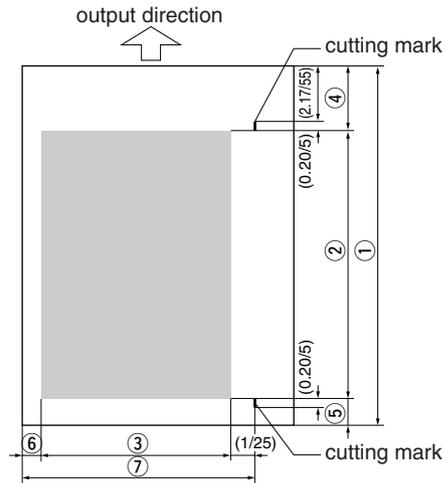
## SCANNING AREA (for letter-sized originals)



## PRINTING AREA

If printing posters smaller than the paper size, cutting marks are automatically printed on the paper.

Note, however, that if “no page gap” is selected, cutting marks will not be printed.



paper size	output size	① paper length	② printed length	③ printed width	④ upper margin	⑤ lower margin	⑥ left margin	⑦ cutting mark position
A1(23")	17"x22"	21.54/ 547	18.50/ 470	14.13/ 359	2.36/ 60	(0.67/ 17)	1.18/ 30	16.53/ 420
	20"x27"	27.05/ 687	24.02/ 610	18.27/ 464	2.36/ 60	(0.67/ 17)	0.87/ 22	20.16/ 512
	23"x31"	31.26/ 794	28.23/ 717	21.57/ 548	2.36/ 60	(0.67/ 17)	0.87/ 22	-
	33"x44" (L)	44.0/1117	40.95/1040	15.87/ 403	2.36/ 60	(0.67/ 17)	0.87/ 22	16.53/ 420
	33"x44" (R)	44.0/1117	40.95/1040	15.87/ 403	2.36/ 60	(0.67/ 17)	6.61/168	6.81/ 173
	44"x58" (L)	58.30/1481	55.27/1404	21.57/ 548	2.36/ 60	(0.67/ 17)	0.87/ 22	22.17/ 563
A2(17")	8"x11"	11.46/ 291	8.43/ 214	6.38/ 162	2.36/ 60	(0.67/ 17)	0.87/ 22	8.27/ 210
	10"x14"	13.86/ 352	10.83/ 275	8.27/ 210	2.36/ 60	(0.67/ 17)	0.87/ 22	10.08/ 256
	12"x16"	15.94/ 405	12.91/ 328	9.76/ 248	2.36/ 60	(0.67/ 17)	0.87/ 22	11.61/ 295
	14"x19"	19.33/ 491	16.30/ 414	12.52/ 318	2.36/ 60	(0.67/ 17)	0.87/ 22	14.37/ 365
	17"x22"	21.54/ 547	18.50/ 470	14.13/ 359	2.36/ 60	(0.67/ 17)	1.18/ 30	-

\*Measurements in the table are nominal, and may change slightly depending on paper type, mode and environment.

(unit: inch/mm)

# 8 SUPPLIES

## DESCRIPTION

There are 3 types of paper for use in printing with the PosterPrinter 3000.

Direct Thermal Paper (DTP), Thermal Transfer Paper (TTP) and Heavy Duty Poly Paper (HDP).

### Direct Thermal Paper (DTP)

- Direct Thermal Paper is used to easily create posters, banners, and materials to be displayed indoors.
- Inexpensive and striking, there are a total of 6 colors of Direct Thermal Paper.

### Thermal Transfer Paper (TTP)

- Remove the ink film after printing to reveal a high quality printed image.
- Similar to plain paper which resists discoloration, Thermal Transfer Paper is suitable for use in creating signs or posters to be displayed over long periods of time. Thermal Transfer Paper may also be written on with waterproof markers, and laminated for further protection.

### Heavy Duty Poly Paper (HDP)

- Made of plastic, HDP Paper is waterproof and offers excellent durability which makes it suitable for use in printing posters or banners which need no further lamination or protection for displaying outdoors.
- Similar to TTP, the ink film is removed after printing to reveal a high quality printed image.
- HDP Paper may also be written on with waterproof markers.

## POINTS TO NOTE WHEN USING POSTERPRINTER SUPPLIES

### Points Common to All Types of PosterPrinter Supplies

- Never put paper in places subject to high temperatures, as doing so may result in discoloration.
- Once a package of paper has been opened, keep it away from places subject to excessively high or low levels of humidity. Failing to do so may cause the paper to expand or shrink, which may make installation in the printer impossible.
- Never store paper in a place where it will be subjected to direct sunlight, as doing so may result in discoloration.

### Direct Thermal Paper (DTP)

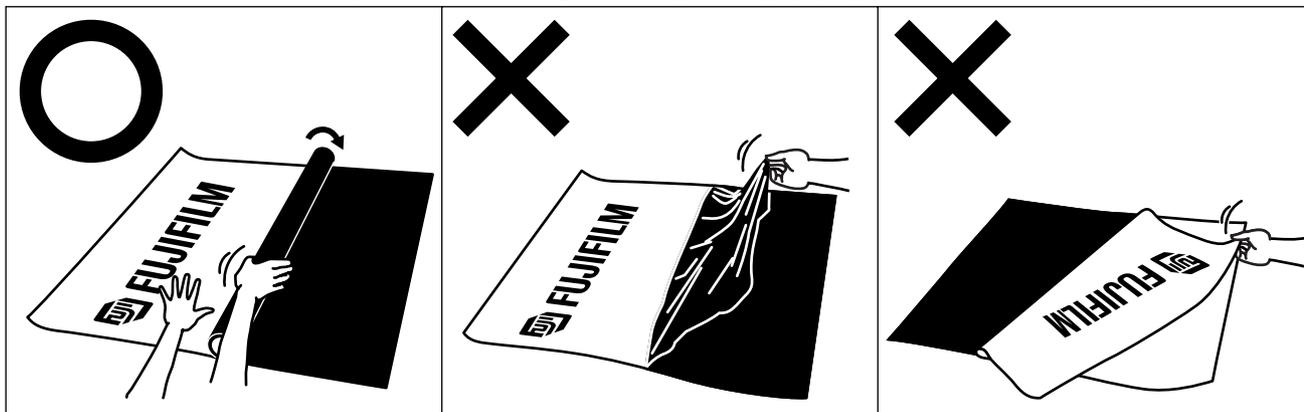
- When displaying posters keep them away from direct sunlight. Failing to do so may result in discoloration or fading.
- Always use water-based markers to write on posters.
- Never use plastic erasers, vinyl holders, and other writing and art equipment containing solvents or fluorescents. They could cause the image to fade.
- Never rub the surface of posters strongly with a hard object, as doing so may cause discoloration.

### Thermal Transfer Paper (TTP) / Heavy Duty Poly Paper (HDP)

- Waterproof markers can be used to write on posters printed on thermal transfer paper. Note, however, that the use of pens or markers with solvents may cause the ink on the printed face of the poster to dissolve or smudge.
- Be careful when removing ink film from thermal transfer paper to do so in the proper manner (see diagrams below).

## REMOVING INK FILM FROM THERMAL TRANSFER AND HDP PAPER

Place the paper on the top of a desk or other level surface and hold it down with one hand. Peel off the ink film slowly from left to right using an empty paper core or similar object.



# 9 TROUBLESHOOTING

## ERROR MESSAGES AND RESPONSES

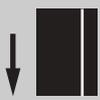
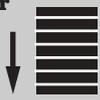
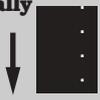
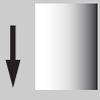
If an error message appears on the display, follow the responses outlined below. If the printer fails to function properly even after corrective action has been taken, contact the dealer from whom you purchased your PosterPrinter 3000.

Error Message	Description	Response
MISS FED or NO DOC. PRESS STOP TO PESET	The original has not been detected by the scanner within the programmed time period.	Press the start/stop key to revert to the initial screen. Reset the original and press the start/stop key again.
INPUT DOCUMENT JAM	The original has jammed in the scanning unit.	Open the scanner cover and remove the input document.
SCANNER COVER OPEN	The scanner cover is open.	Firmly close the scanner cover.
PRINTER COVER OPEN	The printer cover is open.	Firmly close the printer cover.
NO PAPER	The paper has not been installed. The paper has not been loaded correctly.	Install a paper roll. Reload the paper roll.
T/H OVER HEATED	The thermal heads have overheated.	Turn the power off, wait for at least three minutes, and then turn the printer on again.
SHUTTLE ERROR	When the power is turned on, or after an error has occurred, the shuttle unit has not moved back into home position.	Turn the power off, clean the shuttle shaft, and gently move the shuttle unit into home position (on the right of the printer) with your hands. Turn the printer on again.
RELEASE ERROR EEPROM SUM ERROR EEPROM R/W ERROR SYSTEM ERROR	There is some sort of failure with the printer.	Turn the power off and then on again.  If the printer fails to function properly even after corrective action has been taken, contact the dealer from whom you purchased your PosterPrinter 3000. Be sure to tell your dealer which of the error messages was displayed.

# TROUBLESHOOTING

If a problem occurs during the printing process, follow the remedies outlined below. If the printer fails to function properly even after corrective action has been taken, contact the dealer from whom you purchased your PosterPrinter 3000.

## Problem Description and Remedies

No.	Description	Remedy	Ref.
1	The printer does not work even though the power switch has been turned on.	Check that the power cord has been plugged in properly.	P3
2	<b>Spots or lines appear on the printed poster.</b>		
	<b>1) If vertical lines appear on the poster.</b> 	<ul style="list-style-type: none"> <li>• Clean the platen glass in the scanner unit.</li> <li>• If vertical lines appear on the poster at the thermal head intervals, perform the 'Vertical line adjustment' in function mode.</li> </ul>	P33 P22
	<b>2) If horizontal lines appear on the poster.</b> 	<ul style="list-style-type: none"> <li>• Clean the thermal heads.</li> <li>(It is recommended that you clean the thermal heads when using Thermal Transfer Paper and HDP Paper after using Direct Thermal Paper. )</li> <li>• If horizontal lines appear on the poster at roughly 0.8inches/20mm intervals, perform the 'Horizontal line adjustment' in function mode.</li> </ul>	P32 P22
	<b>3) If spots appear periodically on the poster.</b> 	<ul style="list-style-type: none"> <li>• Check to see if the surface of the platen rubber is clean.</li> <li>• Clean the surface of the platen rubber if needed.</li> </ul>	P32
	<b>4) If the left side of the printed image does not appear.</b> 	<ul style="list-style-type: none"> <li>• The printer cover is not closed properly. Open the cover and reclose it firmly holding both ends.</li> </ul>	P12
3	The printed image is not aligned properly.	• Check to ensure that the scanner cover and printer cover are closed properly.	P12 P15
		• Check to ensure that the paper roll has been installed properly.	P12
		• Clean the document feed rollers and/or paper feed rollers if necessary.	P32 P33
4	The printed image does not appear (blank output).	• Check to ensure that the paper roll has been installed properly.	P12
		• Check to ensure that the original has been placed face down in the document bay.	P15
5	Printed images or text are excessively thin or light.	• Set the contrast level to darker position.	P11
		• If the images or text on the original are too light, change to a better copy of the original where possible.	
		• Check that the type of paper indicated on the message display matches the type actually being used.	P11
6	The paper roll loaded is too tight or too loose in the brackets.	• Paper rolls may expand or shrink with changes in humidity levels. Loosen the adjustment knob and move the left paper bracket until the paper can be installed properly, or install a new paper roll.	P13

No.	Description	Remedy	Ref.
7	Tone of the images can not be reproduced in darker areas.	• Set the contrast level to lighter position to reduce the density.	P11
		• If the images on the original are too dark, change to a better copy of the original where possible.	
		• Check that the type of paper indicated on the message display matches the type actually being used.	P11
8	The printed poster does not appear.	<ul style="list-style-type: none"> <li>• Open the cover of the printer and check to see if the paper is caught in the paper feed rollers.</li> <li>• Check that the printer cover is closed properly.</li> </ul>	P12
9	The printer does not start to print even after the start/stop key has been pressed.	• Place the original into the document bay until it stops.	P15
		• The printer will not scan transparent documents. Make a copy on plain paper and restart the process.	
		• Check to see if an error message appears on the message display.	P29
10	Spots or marks appear in the margin area.	<ul style="list-style-type: none"> <li>• Clean the thermal heads.</li> <li>• Clean the platen glass in the scanner unit.</li> </ul>	P32 P33
11	A document jam occurs.	<ul style="list-style-type: none"> <li>• Open the scanner cover and remove the original.</li> <li>• Check that the scanner cover is closed properly.</li> </ul>	P15
		• If a document jam occurs again, check that the original has been set properly.	P15
12	The printing process is unexpectedly slow. (An "SLOW MODE" message will appear on the display.)	• The printer automatically switches to a lower speed when the thermal heads overheat. This typically occurs when printing posters with large black areas or when printing in reverse mode. This is normal, and does not indicate an error in the printing process.	P17
13	A black band appears on the back of the print.	• A black band is printed on the direct thermal paper, to indicate that the paper roll is nearly finished. Change the paper roll when the band appears.	
14	The printer makes a rattling or grating noise, or the "SHUTTLE ERROR" message appears on the display.	<ul style="list-style-type: none"> <li>• Clean the shuttle shaft.</li> <li>• Remove the packaging material in the shuttle shaft unit.</li> </ul>	P32 P2
15	The ink sheet (thermal transfer paper, HDP paper) has a lot of wrinkles in it.	• Check that the type of paper indicated on the message display matches the type actually being used.	P11
16	White bubbles appear on the printed surface (thermal transfer paper, HDP paper).	• Check that the type of paper indicated on the message display matches the type actually being used.	P11
17	The poster is printed as a mirror image of the original.	• Change the setting in function mode ('IMAGE DIRECTION') to 'NORMAL'.	P22
18	Low contrast on the message display.	• Remove the protective covering on the control panel.	P10

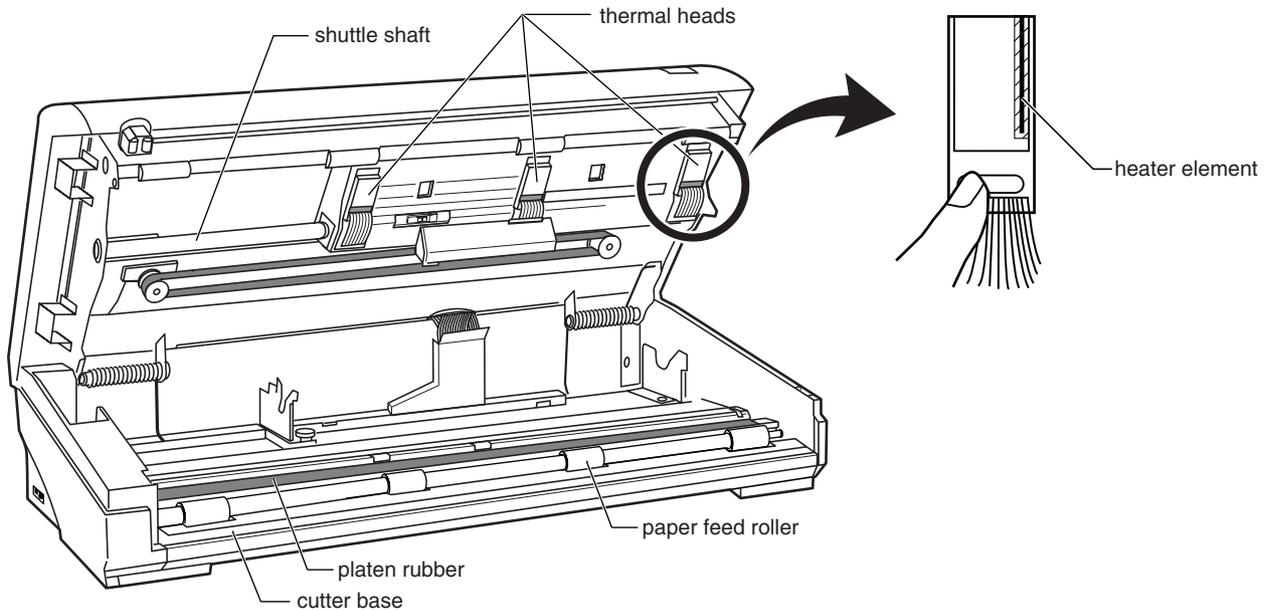
# 10

# CLEANING THE PRINTER

If one of the following problems occurs, clean the printer parts outlined below.

Problem	Part to Clean
1 The paper does not feed properly	➔ Paper feed roller
2 The printer makes a rattling or grating noise during printing	➔ Shuttle shaft
3 Horizontal lines appear periodically on the printed image	➔ Thermal heads
4 Vertical lines appear on the printed image	➔ Platen glass
5 The original is not scanned properly	➔ Document feed rollers, platen roller, document eject rollers

## PRINTER



### ■ Paper feed rollers

Wipe with a soft cloth moistened with water.  
Wipe again with a soft, dry cloth.

### ■ Platen rubber/cutter base

Wipe with a soft, dry cloth.

#### ⚠ Caution

Be careful not to damage the platen rubber.  
Avoid wiping the platen rubber with alcohol or other solvents.

### ■ Shuttle shaft

If the shaft becomes dirty, the printer will not function properly. Wipe the shaft carefully with a soft cloth.

### ■ Thermal heads

When the thermal heads have cooled (at least 2 minutes after the printer has been switched off) wipe the heater element vertically with a soft, dry cloth.

If the thermal heads are particularly dirty, apply a small amount of isopropyl alcohol to the cloth. (Never touch the print heads directly with your hands.)

# SCANNER

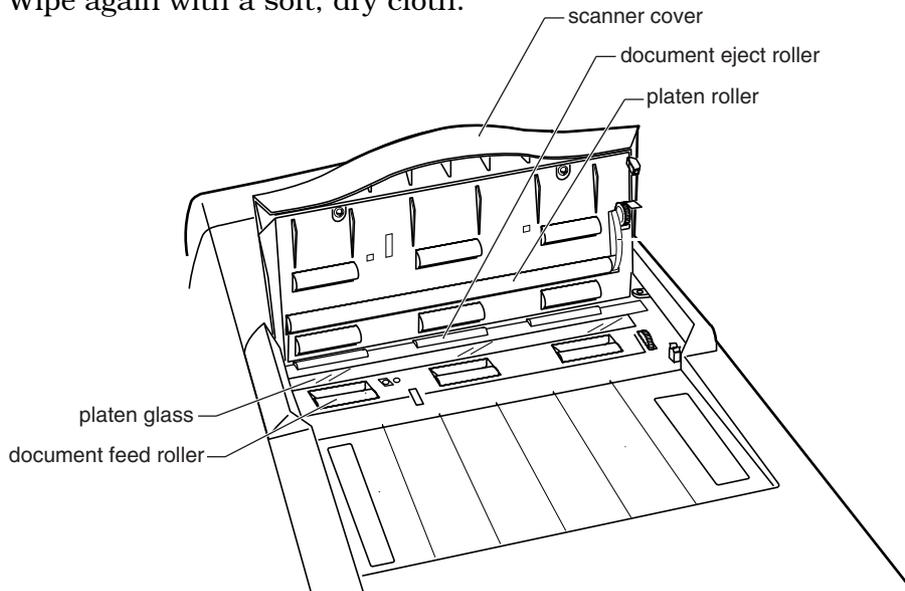
## Platen glass

Wipe with a soft, dry cloth. If particularly dirty, use a soft cloth moistened with water. Wipe again with a soft, dry cloth.

## Document feed rollers/platen roller/document eject rollers

Wipe with a soft cloth moistened with water.

Wipe again with a soft, dry cloth.



### Caution



Always remove the printer power plug from the wall socket before cleaning the printer.

- Do not use organic solvents such as benzine, alcohol, thinners or cleaners in cleaning the printer.
- Do not use detergent in cleaning the thermal heads.
- Be careful not to scratch the platen rubber as the quality of the print may be affected.
- The scanner cover opens to an angle of approximately 70 degrees. Do not attempt to open the cover any further.

# SPECIFICATIONS

Type	desktop type printer					
Scanning system	fixed contact image sensor					
Scanning resolution	400 dpi					
Input size	letter size, banner (8 1/2" wide)					
Input format	sheet paper, thickness 50 - 350 microns					
Printing system	thermal printing					
Printing modes	normal, photo, reverse, online (optional)					
Printing resolution	300 dpi					
Paper size	A1(23"), A2(17") wide paper rolls					
Paper types	FUJI FILM Poster Printer paper Direct Thermal Paper (DTP), Thermal Transfer Paper (TTP), Heavy Duty Poly Paper (HDP)					
Output sizes	8"x11", 10"x14", 12"x16", 14"x19", 17"x22", 20"x27", 23"x31" (33"x44" and 44"x58" are printed in two pieces) banner (calculated as being roughly equivalent to length of document times specified enlargement)					
Paper supply	continuous feed roll paper					
Paper cutting	bidirectional manual cutter					
Print size and printing speed	Output size	Enlargement (line magnification)	Normal • Reverse modes		Photo modes	
			DTP	TTP • HDP	DTP	TTP • HDP
	17"x22"	approx.1.7	1min 00sec	1min 10sec	1min 50sec	1min 58sec
23"x31"	approx.2.6	1min 20sec	1min 35sec	2min 35sec	2min 48sec	
Warm-up time	approx. 8 seconds					
Noise level	approx. 53 dB (A)					
Dimensions/weight	approx. 28.1 (W) x 12.4(D) x 8.5 (H) inches; approx. 31 lb. approx. 715 (W) x 315 (D) x 215 (H) mm; approx. 14 kg					
Power supply	AC120V ±10% ; 50/60 Hz					
Power consumption	at standby: approx. 15W; printing: approx. 210W					
Operating environment	temperature: 50° - 86 °F; relative humidity: 20 - 80% RH					
Items included in package	paper bracket unit (1), end caps (2), power cord, User's Guide					
Optional accessory	interface kit					
Supplies	platen rubber, thermal heads, cutter unit, cutter base					

# INDEX

<b>A</b>	AC inlet	8	<b>O</b>	online lamp	10
<b>B</b>	banner	7,21		open/close knob	8,12
<b>C</b>	cleaning printer	32		output colors on message display	11
	clear key	10		output size key	10
	cogged belt	8,9	<b>P</b>	page gap, setting	22
	contrast key	10		paper	11,27,28
	control panel	8,10		paper bracket (right)	9,12
	cutter	13		paper bracket (left)	2,9,12
	cutter base	8,9,32		paper feed roller	9,32
	cutter unit	8,9		paper guide	8
	cutter, using the	13		paper type key	10
	cutting marks	18,19,20,26		paper sensor	9
<b>D</b>	direct thermal paper (DTP)	7,11,27,28		paper, installing	12
	division printing	18		pasting two output sheets together	19
	document bay	8,9		photo mode	7,16
	document eject roller	9,33		platen glass	9,33
	document feed roller	9,33		platen roller	9,33
	document jam	15		platen rubber	9,32
	document tray	8		plug	3
<b>E</b>	end cap	2,13		power cord	2,3
	error messages	29		power supply	8
<b>F</b>	feed key	10		power switch	3,8,14
	function mode	22		print outlet	8
<b>G</b>	guide marks	12		printer cover	8
<b>H</b>	heavy duty poly paper (HDP)	7,11,27,28		printing area	26
	horizontal line adjustment	22	<b>R</b>	printing on A1(23") paper	18,20
<b>I</b>	image direction, setting	22		printing power, setting	22
	ink film	28		ready lamp	10
	input document, long	7,21		remaining paper mode	24
	interface board	8		remaining paper, setting	24
<b>M</b>	making 20" x 27" posters	20		reverse mode	7,17
	making 44" x 58" posters	18	<b>S</b>	scanner cover	8,9,33
	message display	10,11		scanning area	26
	mode key	10		shuttle shaft	32
<b>N</b>	normal mode	7,14		socket, three prong	3
				start/stop key	10,15
			<b>T</b>	thermal head	9,32
				thermal transfer paper (TTP)	7,11,27,28
				triangular mark	12
			<b>V</b>	vertical line adjustment	22



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