

PRINT GOCCO

B5 HI MESH SET

USER'S MANUAL

RISC

Index

The Print Gocco B5 HiMesh Set is a small, easy-to-use printing press for making color-prints of high resolution. Read the instructions in this booklet carefully before using, and follow the steps outlined.

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- Name and Location of Parts2

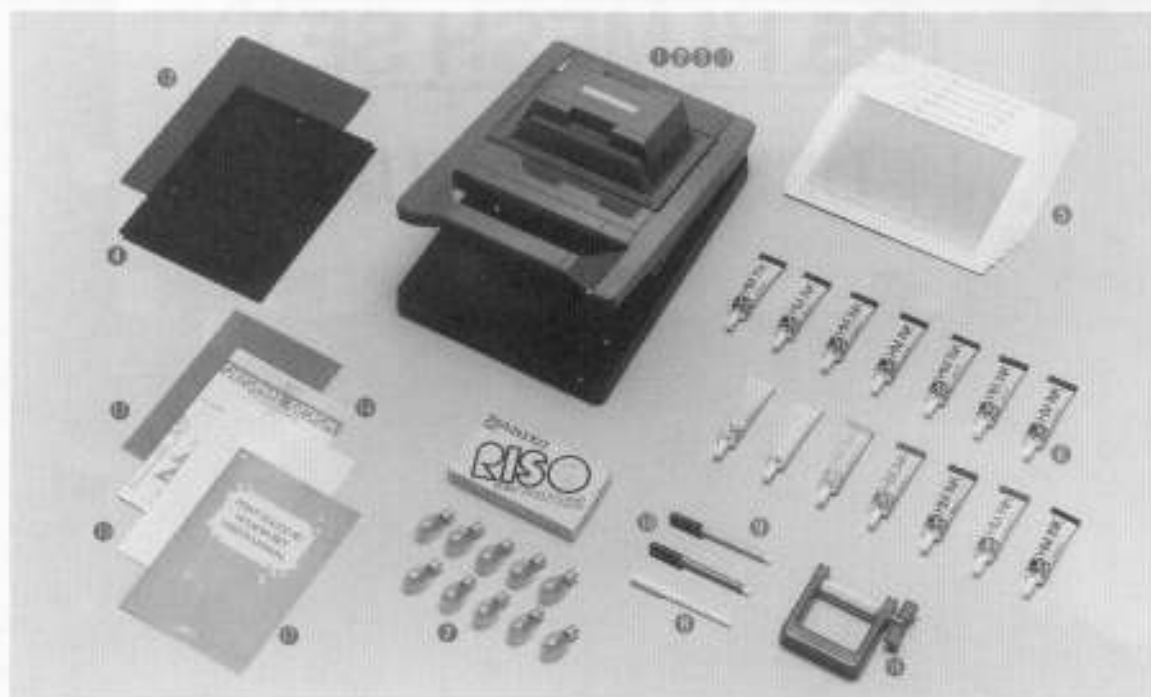


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Set Contents

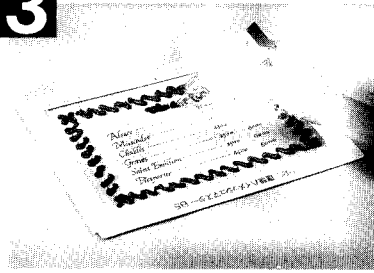


Please check the following components contained in your Print Gocco B5 HiMesh Set.

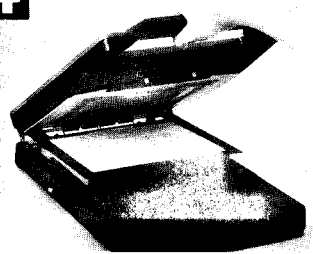
- | | |
|--|--|
| ① B5 Printer(main body)1 each | ⑩ Print Gocco Ink Blocking1 sheet |
| ② Lamp Housing B51 each | ⑪ Print Gocco Filter, B5 Blue1 sheet |
| ③ Separator1 each | ⑫ B4 Paper Corner1 set(2 pieces) |
| ④ Printing Cushion Sheet B51 each | ⑬ Original Designs2 copy |
| ⑤ RISO HiMesh Master B5(master sheet)
.....1 pack(5 sheets) | ⑭ Drawing Paper B510 sheets |
| ⑥ RISO HiMesh Ink for paper(40cc)
7 colors set1 pack(7 tubes)
black1 pack(7 tubes) | ⑮ Print Gocco Tube-Wringer1 piece |
| ⑦ Print Gocco Lamp(bulb)2 packs(20 bulbs) | ⑯ User's manual1 copy |
| ⑧ Riso Pen fine 0.3mm1 piece | |
| ⑨ Riso Pen medium1 piece | |
| ⑩ Riso pen bold1 piece | |
- <Specifications>
 Printing surface160mm×230mm(6-5/16"×9-1/16")
 Dimensions310mm(W)×430mm(D)×170mm(H)
 (12-1/4"×16-15/16"×6-3/4") with Lamp Housing
 Weight5kg
 Power3 "C"size batteries(4.5 volts)

† Specifications may be revised without prior notification.

3



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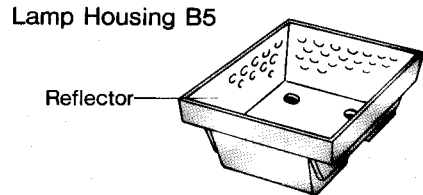
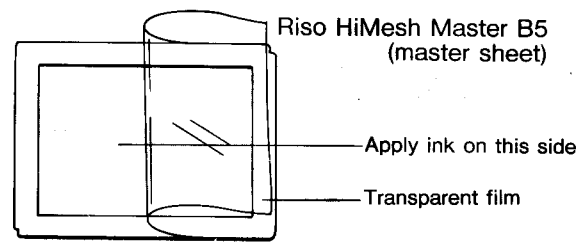
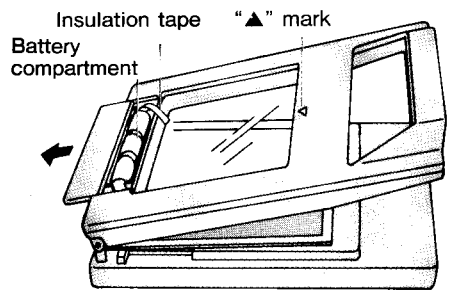


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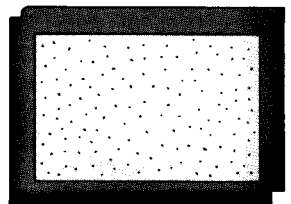
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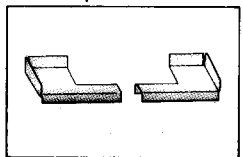
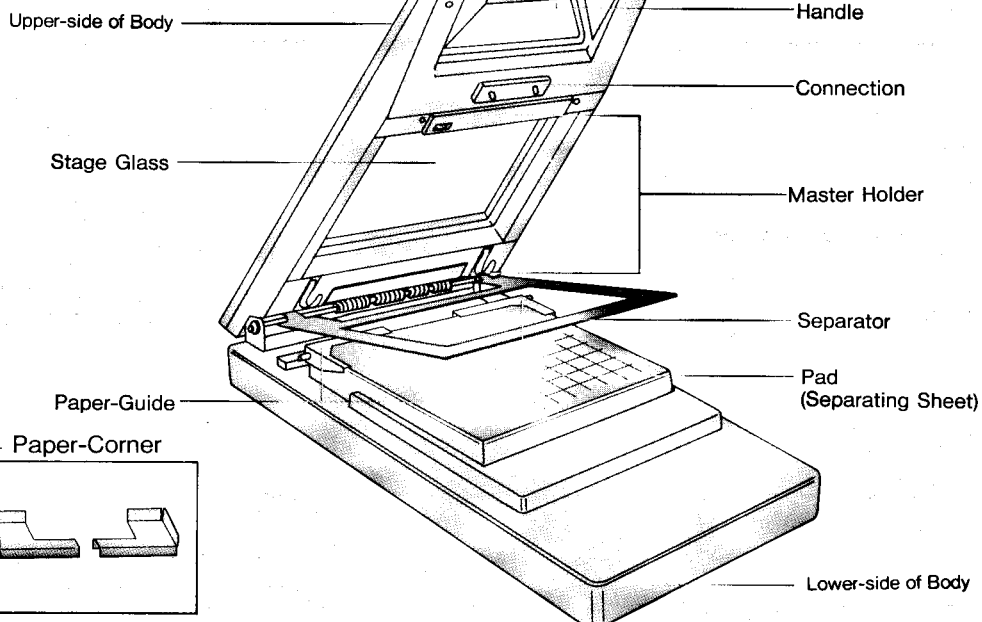
Name and Location of Parts



Printing Cushion Sheet B5



B5 Printer(main body)

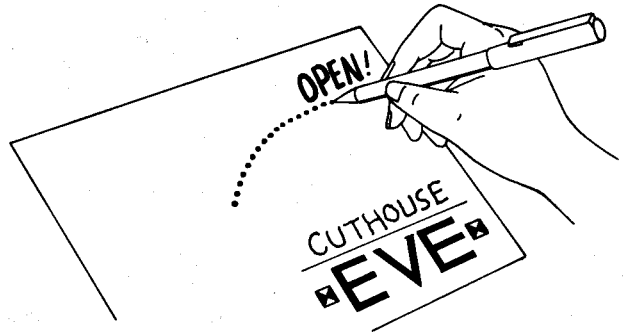


Be sure to use the following writing utensils or prints. Limit original size within 160mm×230mm(6-5/16"×9-1/16").

1. Write with the RISO Pen or other carbon-containing pen.(→P.10):

Use the Drawing Papers included in the set, or non-glossy white paper for the original.

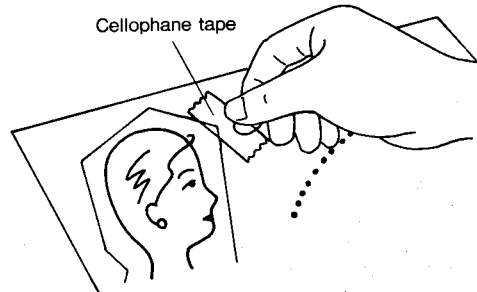
When making a draft outline, first use a red color pencil lightly. That area will not be printed.



2. Originals using black & white prints:

Black printed materials other than provided in the Original Designs in the set, can be used as originals for the Print Gocco. Newspapers and magazines can be used, as well, as long as they are non-glossy.

To paste up the cutouts, use cellophane tape and secure only 1 or 2 places on the blank edges of the picture to the non-glossy white paper. Be careful not to tape over any written or drawn areas.

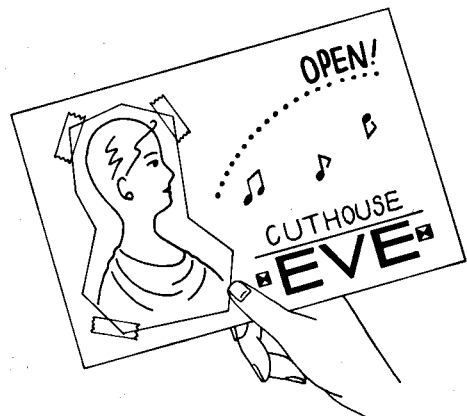


3. PPC - made originals:

Such originals as the following can be used if copied first on a PPC (plain paper copier). Be sure to make a copy in a light tone.

1. Prints using fountain pen, ball point pen, felt-tip pen, and colored pencil.
2. Photo, color prints
3. Patterned paper, stencil lettering
4. Combination of both hand written and PPC-made original.
5. Anything else that can be copied

(Note 1)(Note 2)



(Note 1)Refer to Page10-11 for further information.

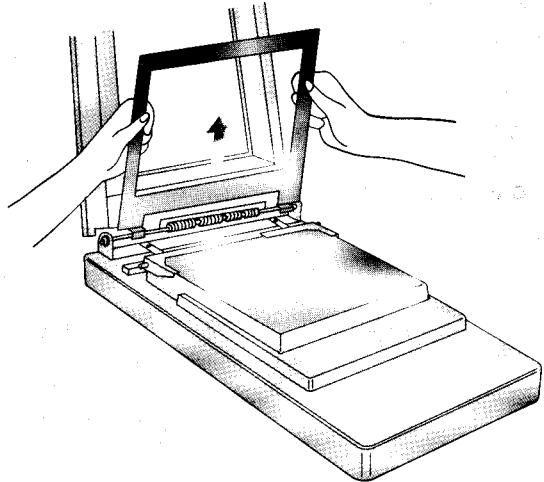
(Note 2)Be careful not to use copyrighted materials for prints for any public or commercial use.

2

Once original has been completed, the next step is to make a Master.

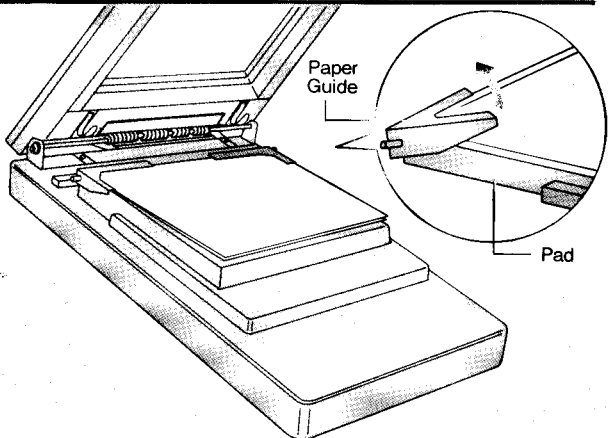
1. Remove the Separator:

Lift up the Handle and pull the Separator out by holding both front corners of the Separator.



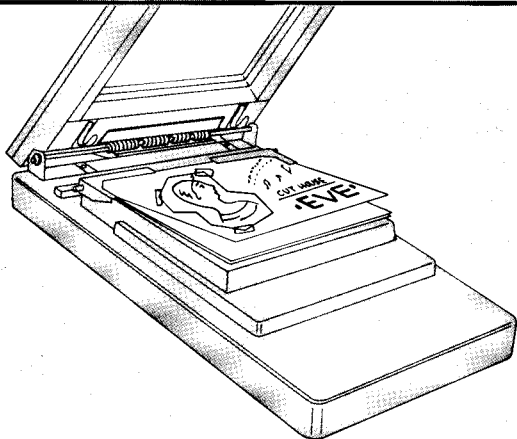
2. Place paper on the Pad:

Lift up the Paper-Guide and place 2 or 3 sheets of paper beneath it. (Note)



3 Setting an original

Place the original onto the sheets of paper. Guide

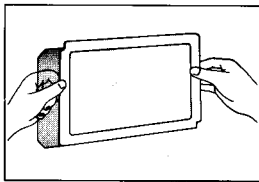


Note: At first remove the transparent film from the Pad.

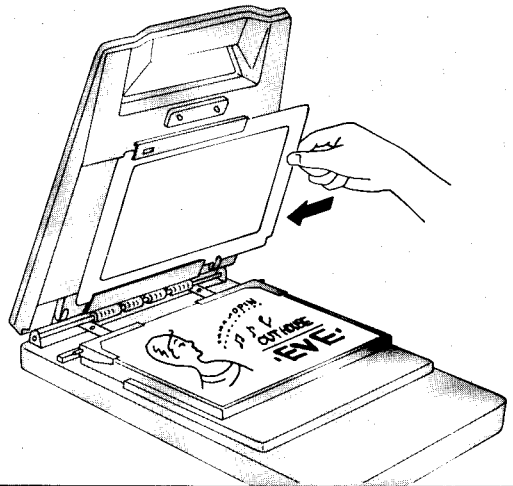
4. Setting a Master:

Slide the Master into the Master Holder, following the direction (marked with the arrow), with the transparent film side facing the Stage Glass.

* When using PPC-made originals:



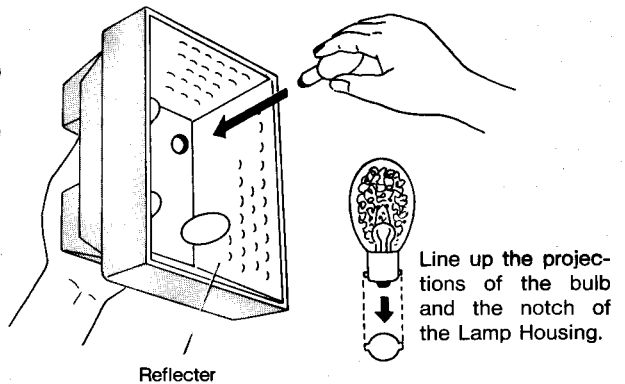
Use the Print Gocco Filter, B5 blue. Place the filter on the transparent film, and slide the layers together into the Master Holder.



5. Setting the Lamps:

Insert 4 Print Gocco Lamp bulbs into the Lamp Housing.

Secure the bulbs well by pushing them into the holes firmly, then give them half a twist.

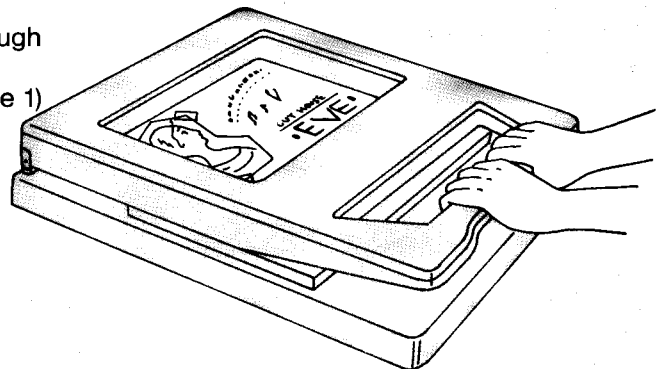


6. Lower the Handle:

Lower the handle and frame the original through the Stage Glass. Check that it is well framed.

(Note 1)

(For the first time, be sure to remove the Insulation tape.)

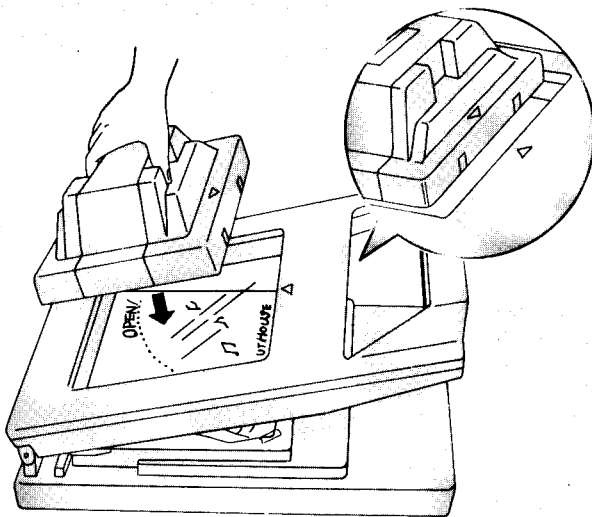


(Note 1) When using important originals:

The original sticks to the Master when making Masters. Ink is placed on the Master using this original. The original will become dirty from the ink leaking from the Master. Be sure to copy important originals before making a Master.

7. Setting the Lamp Housing:

Set the Lamp Housing into the main body of the Print Gocco. Be sure to line up the ▲-marked side of the Lamp Housing with the ▲ on the main body and press it down completely.

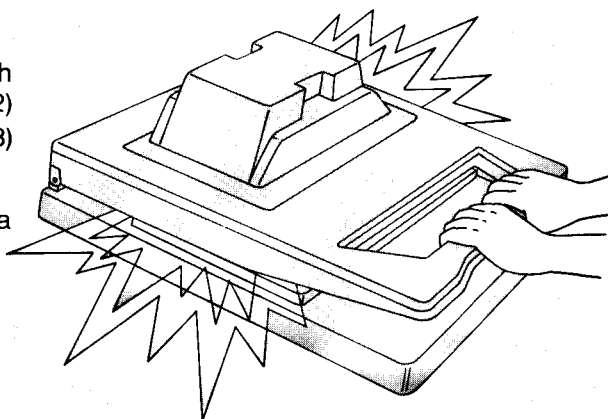


8. Flash to make a Master:

Press the Handle down strongly. Once the flash has gone off, the Master is ready. (Note 2)
Remove the Lamp Housing. (Note 3)

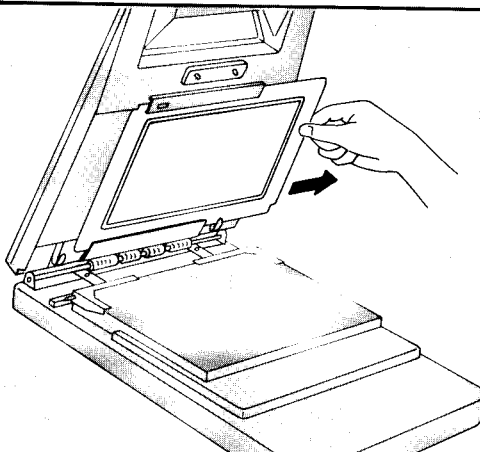
<Caution>

Do not touch the Print Gocco Lamp right after a flash.



9. Remove the Master from the main body:

Lift up the handle and remove the Master by sliding it to the right. The original sticks to the Master if Master-making is successful. Leave the original intact to the Master, because it can be used as a guide when applying ink on the Master.



(Note 2)The Print Gocco Lamp is not reusable.

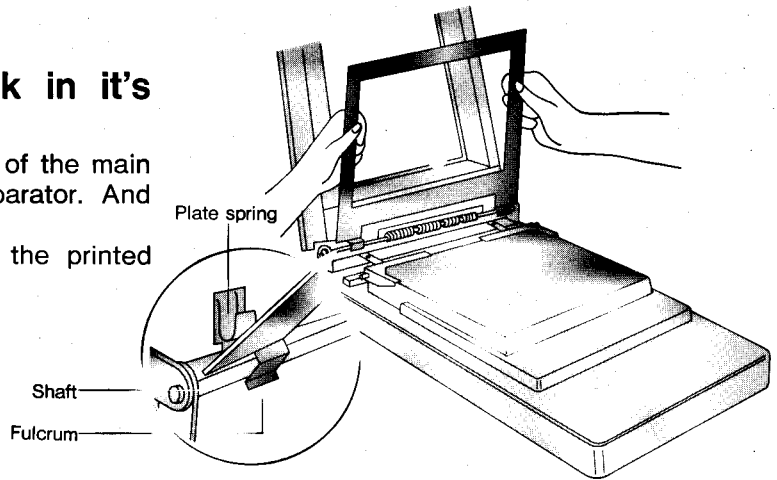
(Note 3)The bright reflector in the Lamp Housing is essential for good Master-making. To prevent fogging of the Reflector, remove immediately from the main body after flashing. Furthermore, be careful not to touch the Reflector with your hands.

3

Apply Ink of desired colors on the Master.

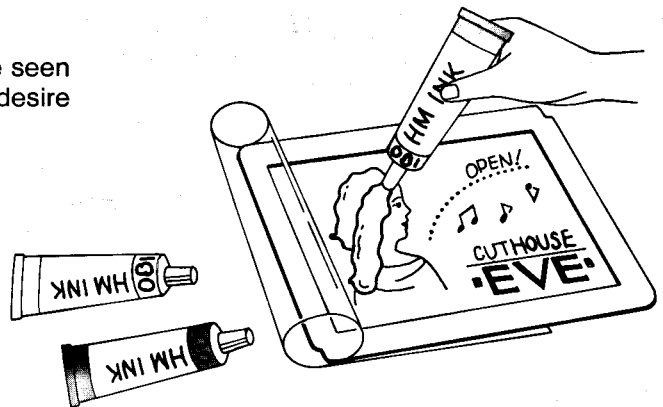
1. Put the Separator back in it's original positon:

Push the Separator toward the shaft of the main body by holding both sides of the Separator. And lower the handle and lift it up again. The Separator is used to separate the printed paper from the Master.



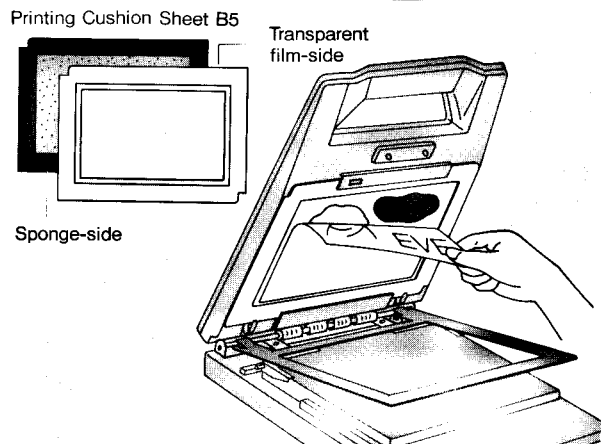
2. Apply Ink:

Lift the transparent film. The original can be seen through the Master, put any color ink you desire onto the Master. (Note) Lower the transparent film back in place.



3. Fit the Master back onto the main body:

Join the sponge side of the Printing Cushion Sheet with the transparent film side of the Master. Place both the Printing Cushion Sheet and Master into the Master Holder. Peel the original off the Master.



(Note) Use the "Print Gocco Ink Blocking" to prevent the spreading and mixing of ink. (→P11)

4

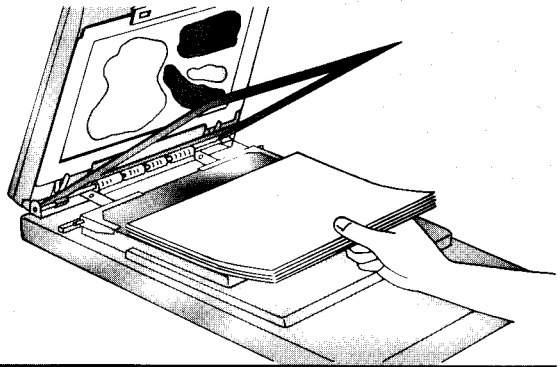
Hold the middle part of the handle with both hands and do a first print by pressing the handle down.

1. Place B5-size paper:

Lift up the Paper-Guide and set printing paper on the Pad.

The capacity of the total thickness of printing paper is about 5mm (about 20 sheets of normal paper) at a time.

When printing on A4 or B4-size paper, refer to P.9 (Placing paper)

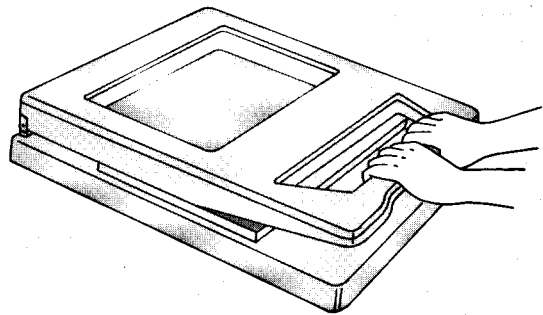


2 Trial Printing:

Do a first print by pressing the handle down. Be sure to hold the middle part of the handle with both hands.

Check for problems with inking and print position. If necessary, do another 2 or 3 trial printings on another sheet of paper.

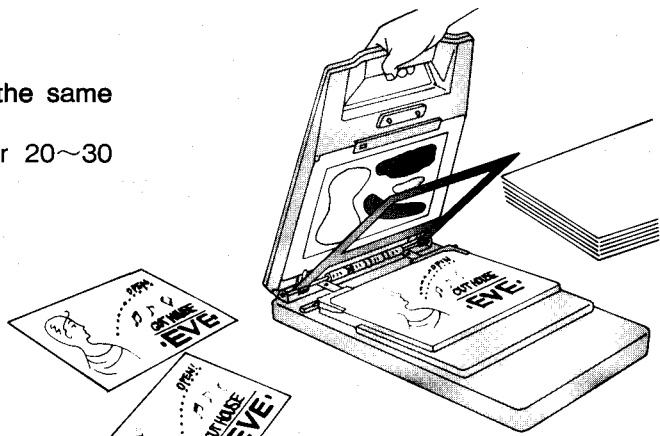
When removing the printed paper, pull the first sheet of paper out to forward quickly.



3 Actual Printing:

If the printing results are good, repeat the same print as many times as you like.

Do not stack the cards. Dry them for 20~30 minutes. (Note 1, 2)



(Note 1) If you stack the freshly printed cards on top of each other, the ink will make the reverse sides of the cards dirty. Put the cards in-between the pages of an old magazine. Prints can be dried effectively without taking up much space.

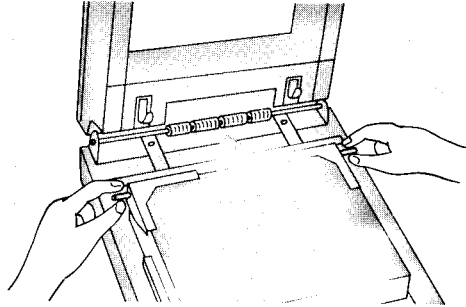
(Note 2) You can print on B4 size paper by placing lengthwise on the Pad. It is useful to fasten the folded paper.

How to set A4 and B4 size paper

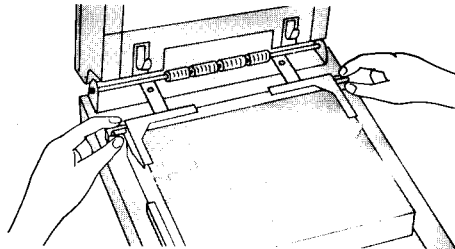
By adjusting the Paper-Guide, you can print in the center of both A4 and B4 sized paper. Printing area is 160mm×230mm(6-5/16"×9-1/16"), in maximum.

For A4 size paper

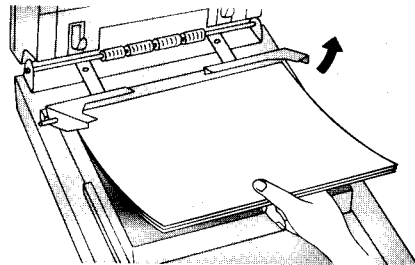
1 Hold both ends of the Guide-Bar and slide it completely toward the Shaft.



2 Extend the Paper-Guide to right and left.

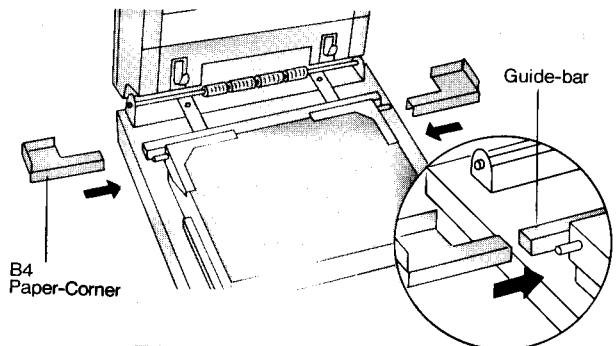


3 Lift the ends of the Guide-Bar and place paper on the Pad.

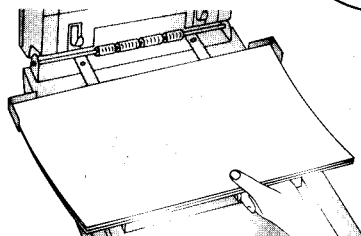


For B4 size paper

1 Insert the B4 Paper-Corner to both ends of the Guide-Bar.



2 Place B4-size paper on the B4 Paper-Corner. With the larger size, the Paper-Guide is beneath the paper.



ADVICES FOR BETTER RESULT

WRITING MATERIALS

The following writing materials are recommended:

- RISO Pen (fine) for fine letters and drawings.
- RISO Pens (bold, medium) for large letters and drawings.
- RISO Brush Pen for drawings.
- Ink should be regular draft ink or india ink.

The following materials are NOT recommended:

- Regular fountain pen, ball-point pen and felt-tip pen.

Pencils are usable but not ideal. If you have to use the pencil, use the pencil on hard surface and dust off small particles on the pencil carbon from the paper.

Slightly diluted india ink may be used with a brush pen. It is important to allow a couple of minutes for the ink to dry and then proceed with making a Master.

PARTIAL CORRECTION OF ORIGINAL

To erase unnecessary portions of the original, simply cover them up with a piece of cellophane tape or cut them off.

USE "NON-GLOSSY" PAPER FOR THE ORIGINALS

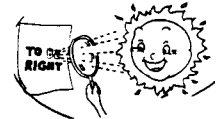
Use "Print Gocco drawing Paper B5" to make hand-written originals. Besides the Drawing Papers, non-glossy (high or medium grade paper) is ideal for Print Gocco originals. Do not use glossy, enamel, or neutral paper.

LARGE SOLID LETTERS AND ILLUSTRATIONS

Line drawings are ideal for the Print Gocco printing. Line or dot drawings will give the best printing results. Large solid letters and drawings may give irregular printing results. If this happens, rewrite or redraw them using draft ink. This will increase the carbon density and improve the printing results. Make sure the originals are completely dry before making a Master with print large solid letters and drawings. For best results, use a dot-patterned paper (dot-patterned background) instead of solid dark background and irregular printing results will be avoided.

WHY IS THERE A FLASH WHEN MAKING A MASTER?

When sunlight is concentrated on a black spot on a piece of paper



with a magnifying glass, it burns up. The PRINT GOCCO uses the same principles. Infrared light from the PRINT GOCCO LAMP turns into heat when it hits the black letters and drawings on the original that contain carbon. The heat in turn melts the PRINT GOCCO MASTER just as it is drawn on the original. That is why it is vital that the original should be completed in writing materials containing carbon.

ATTRACTIVE COLOR-PRINT

If more attractive printing effects are desired, try to use various kinds of art paper such as tinted paper, bond paper, etc.

Print the background in a light color first, and then print letters and illustrations in stronger, darker colors.

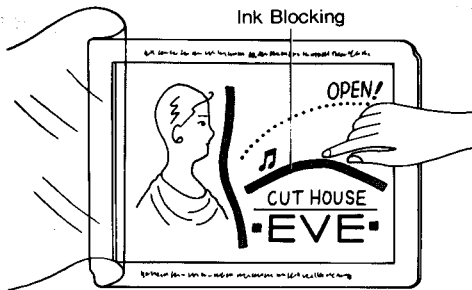
You can mix inks to recreate almost any color you dream up.

If a primary color is mixed with the white ink, you will have a softer color. Try to mix the HiMesh Ink on a palette or plate for more colorful effects.

INK BLOCKING

To prevent the HiMesh Ink from mixing with each other during the process of printing, use Ink Blocking included in the set.

Cut out a stripe of the Ink Blocking and remove the paper on the reverse side. Stick the Ink Blocking on the Master to the space between the illustrations of different colors. Then apply ink on the Master.



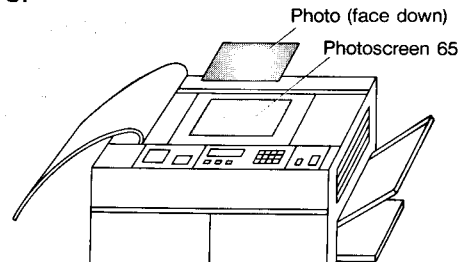
WHEN PRINTING ON SMALLER PAPER

When printing on smaller paper than Pad, place paper one by one without using Separator. Printed paper will be still on the Pad due to its adhesiveness. In this case, Positioning Template Sheet (Refer to the instruction sheet included in the set) is useful.

USING A PHOTO AS AN ORIGINAL

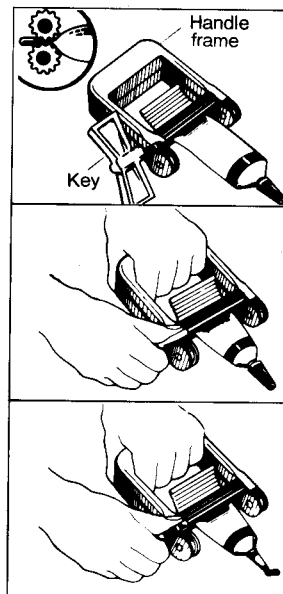
Photographs in color and black & white cannot be used as originals for the Print Gocco printing. Use Print Gocco Photoscreen 65 (available as a separate accessory) to make an original, which can make a clearer halftone print.

The intermediate original can be made by placing the Print Gocco Photoscreen 65 between the photograph and the stage of PPC.



HOW TO USE TUBE-WRINGER

With Tube-Wringer, you can use the ink without waste.



1. Grasp the handle frames of the Tube-Wringer in one hand, and grip the flat end of the tube between the rollers. Maintain a firm grip on the handle frames and turn the key.

2. With the cap securely in place, restore wrinkled tubes to full body.

3. Remove the cap from the tube and turn out desired amount.

Notice: Be careful not to catch your finger between the rollers.

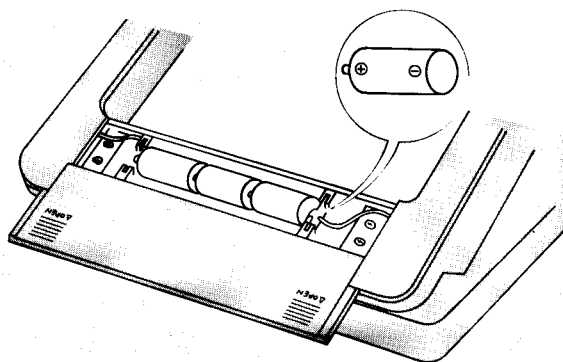
TROUBLE & SOLUTION

WHEN THE LAMP DOES NOT FLASH

1. Is the Insulation tape removed?
Remove the Insulation tape.
2. Is the Master set?
Set the Master into the Master Holder.
3. Are the ▲ marks correctly aligned?(Check the direction of the Lamp Housing.)
Reset the Lamp Housing correctly.
4. Is the Lamp Housing correctly mounted on the Print Gocco body?
Remove the Lamp Housing and reset.
5. Is the handle firmly pressed down?
Repress until the Connection completely touches to the lower part of Print Gocco body.
6. Are the batteries correctly inserted?
Open the battery compartment and reset the batteries.
7. Are the batteries dead?
Replace with new batteries.
8. If the lamp still does not flash, despite you have checked the previous 1-7, press down the handle, while pulling the Lamp Housing to the direction of the ▲ mark.

BATTERY INSTALLATION

Slide the battery compartment lid at the grip spots to the direction marked OPEN. Install three "C" size batteries as marked in the battery compartment. Observe the correct polarities of batteries.

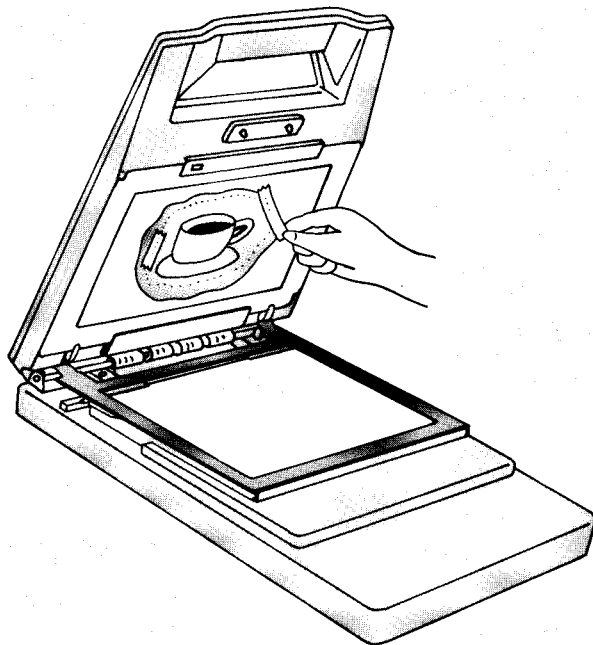


POOR PRINTING RESULTS

- 1) The original was still damp at the time of making HiMesh Master—Dry it enough and make the HiMesh Master.
- 2) The original was prepared on a glossy paper or plastic sheet—Rearrange the original on non-glossy paper or make an intermediate original using PPC.
- 3) The drawings and/or letters are recessed—reprepare the original on a hard surface or make an original using PPC.
- 4) The original was not clear—Touch up the original using a carbon-rich writing material.
- 5) HiMesh Ink was not enough—Lift up the transparent film and apply plenty of ink where the ink is not enough.
- 6) Printer handle was not firmly pressed down—Press it down firmly when printing.

EDGES OF ORIGINAL APPEAR ON THE PRINTS

Cover up the holes on the HiMesh Master, using RISO Correction Fluid for HiMesh Master or a piece of cellophane tape.



PRINTS ARE SMEARED WITH DOTS

1. Using a PPC-made original.

Use the Print Gocco Filter, B5 Blue, for making a Master.

2. Original is dirty.

Use white correction fluid or rewrite on another piece of drawing paper.

3. Dust on the Master.

Set the Master in the Print Gocco immediately before making a Master.

4. The original prepared in pencil is rubbed or powder of pencil is spread.

Use white correction fluid or remake the original.

PROPERLY FLASHED, BUT FAILED TO MAKE A MASTER

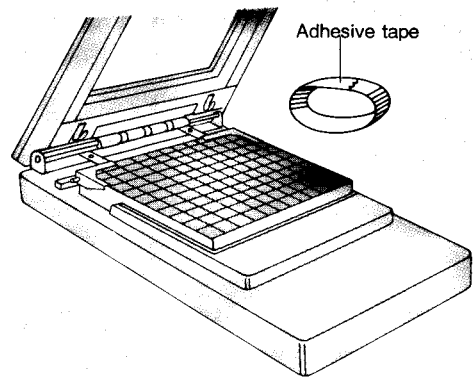
- 1) The original does not contain carbon
—Reprepare the original, using a correct writing material or make an original, with PPC. Refer to page 10 for recommended writing materials.
- 2) The Master was incorrectly placed for making a Master—refer to pages 4~6 for the correct method to make a Master.

THE SEPARATING SHEET DOES NOT FUNCTION PROPERLY.

Restore surface adhesion.

Gently wipe the surface of separating sheet with a moist cloth.

Remove contamination by repeatedly pressing adhesive tape against the surface.



PRECAUTIONS

- Special glass is used for the stage of the printer. Use extra care for handling the printer body and avoid hitting or dropping it.
- The Print Gocco Set has been designed for use under normal room temperature ranging 15°C (60°F) to 30°C (86°F).
- HiMesh Master dislikes moisture and dusts
Take out Master from the vinyl bag one by

one only before actual use.

- Tighten the cap of the HiMesh Ink securely after use. It could not be stored under extreme conditions, such as sub-zero temperature or higher than 40°C (105°F).

To keep Print Gocco B5 Printer after using, be sure to place a piece of white paper on the Pad.

Several Techniques for RRINT GOCCO

Inking Techniques



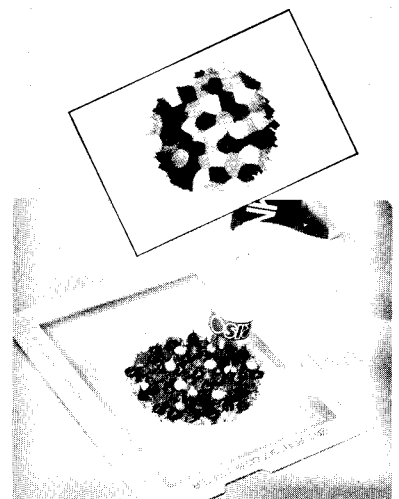
The Streamline Technique

Squeeze several colors into a dish, mix them incompletely, using a circular motion and then apply them to your Master. You can create a beautiful swirling abstract pattern.



The Rainbow Technique

This is how rainbows are born. Apply several colors to the Master in a striped pattern. Make your stripes horizontal, vertical, or any shape you want.

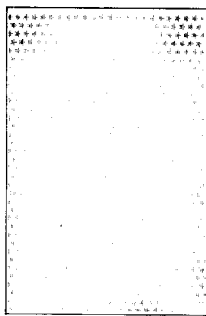


The Pointillism Technique

Here one can imitate the style of Monet, and apply dots of different colors to fill the space completely. Colors may be squeezed directly from the ink tube and squeezed in the same way as icing a cake to make dots of a smaller size.

The 2-Master Printing Technique

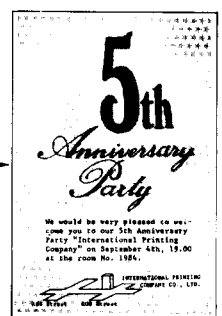
To print characters and illustrations on a background, use light or soft colored ink to print the background with the first Master. After drying the first printing, print characters, etc. on it using a second Master and a darker color.



First Master

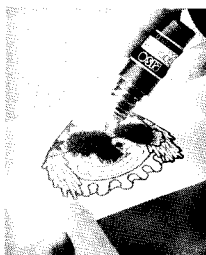


Second Master



The Powder Technique

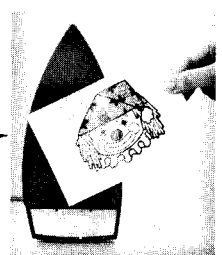
Using gold, silver, or transparent raised lettering or illustrations really makes your creations stand out. It adds a lot of life to a design.



Sprinkle the desired powder on your print while it is still wet.



Tipping the paper from the back to remove the powder that is not fixed.



Heat it with an iron from the reverse side.

