Roland

IU-1000F

Special Color Ink Guide (Administrator Mode Edition)

This manual introduces how to add a new print mode and how to perform spot color printing using that mode.
The steps introduced here use spot color inks such as gloss and white ink to create the desired effect for the product.

Thank you very much for purchasing this product.

- To ensure correct and safe usage with a full understanding of this product's performance, please be sure to read through this manual completely and store it in a safe location.
- Unauthorized copying or transferal, in whole or in part, of this manual is prohibited.
- The specifications of this product and the contents of this operation manual are subject to change without notice.
- The operation manual and the product have been prepared and tested as much as possible. If you find any misprints or errors, please inform us.
- Roland DG Corporation assumes no responsibility for any direct or indirect loss or damage that may occur through use of this product, regardless of any failure to perform on the part of this product.
- Roland DG Corporation assumes no responsibility for any direct or indirect loss or damage that may occur with respect to any article made using this product.

Roland DG Corporation

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

http://www.rolanddg.com/
Copyright © 2020 Roland DG Corporation

Contents

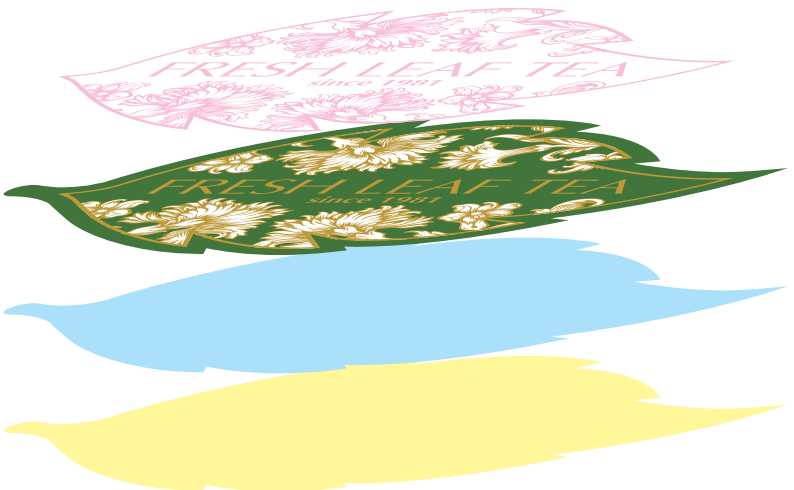
Contents 3
Customizing Print Settings 4
Introduction 4
Printing with Transparent Media and Matte Finishing 5
Using Emboss to Make Patterns and Characters Stand Out 10
Three-Layer Printing for Backlit Panels 14

Customizing Print Settings

Introduction

This manual introduces how to add a new print mode and how to perform spot color printing using that mode.
Adding a print mode is only possible in administrator mode. However, please note that adding print modes is not covered by the warranty.
For information on how to log into administrator mode, refer to the IU-1000F Operating Instructions — Administrator Mode Guide.

Printing with Transparent Media and Matte Finishing



[1]

[2]

[3]

[4]

[1]: Gloss printing (matte finish) on the pattern
[2]: Pattern printing
[3]: White printing for improved color development
[4]: Primer printing between the ink and the media to promote ink adhesion

Procedure

1 Create the print data and save it as a rasterized file.

① **Create the print data using Adobe Illustrator or some other drawing software.**

Make four layers, and stack them in the order shown above.

Configure the settings for each layer ([1] to [4]) as follows.

	Layer name	Swatch (*1)	Overprint Fill (*2)
Layer [1]	Gloss	Spot2	On
Layer [2]	CMYK	No	On
Layer [3]	White	Spot1	On
Layer [4]	Primer	Spot3	Off

*1: Specify a swatch for each object within a layer.

*2: "Overprint Fill" in the "Attributes" window

Create three new swatches, and configure the settings as follows.

	Swatch Name	Color Type
Swatch 1	Spot1	Spot color
Swatch 2	Spot2	Spot color
Swatch 3	Spot3	Spot color

② **Use RIP software such as SAi FlexiPRINT to rasterize the print data.**

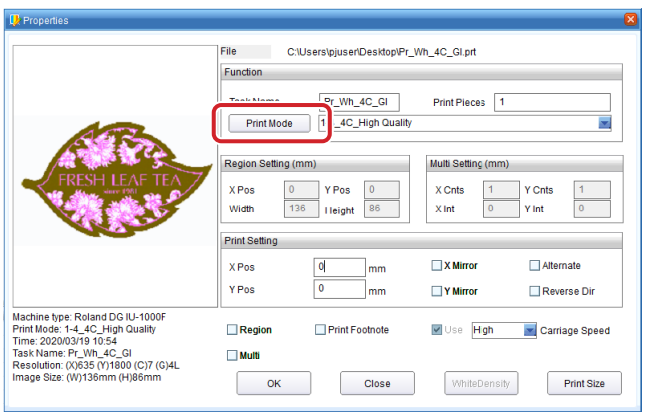
③ **Save the rasterized print data as a file.**

2 **Start Print Control and enter administrator mode.**

3 **Open the file saved in 1 with Print Control, and double-click the added job.**

The "Properties" window for the job appears.

4 **Click [Print Mode].**



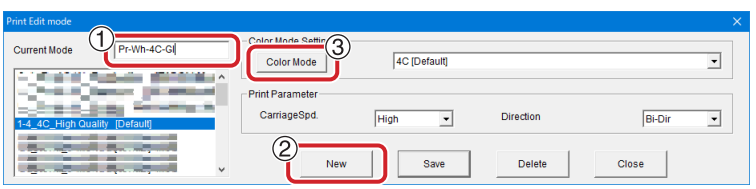
The "Print Edit mode" window appears.

5 **Create a new print mode.**

① **Enter a new name in "Current Mode."**

② **Click [New].**

③ **Click [Color Mode].**



The "Color Mode Setting" window appears.

6 Create a new color mode and configure the settings.

① **Enter a name for the new color mode.**

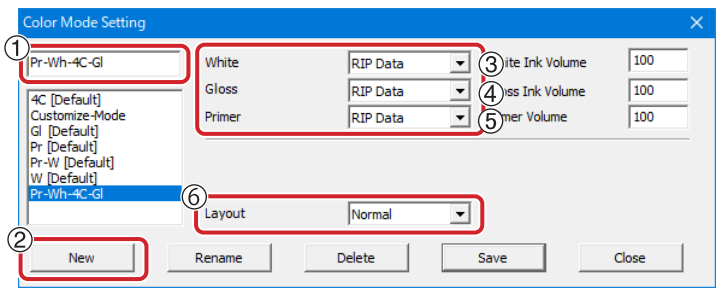
② **Click [New].**

③ **Set "White" to "RIP Data."**

④ **Set "Gloss" to "RIP Data."**

⑤ **Set "Primer" to "RIP Data."**

⑥ **Select "More..." in "Layout."**



The "Layer Settings" window appears.

7 Configure and save the settings for the new layout.

① **Enter a name for the layout. (Example: Pr - Wh - 4C - Gl)**

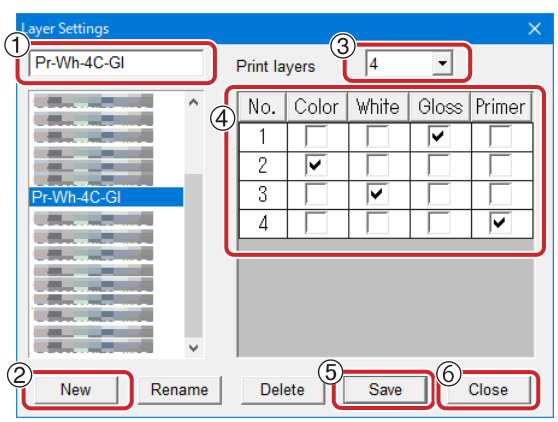
② **Click [New].**

③ **Set the number of layers to 4.**

④ **Configure the settings for each layer as shown in the figure.**

⑤ **Click [Save].**

⑥ **Click [Close].**



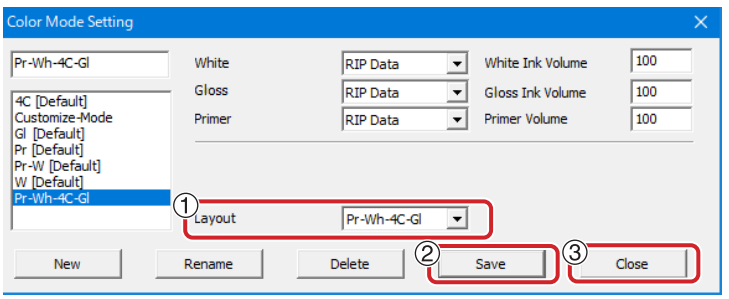
The "Layer Settings" window closes, and the "Color Mode Setting" window appears.

8 **Select the layout created in 7.**

① **Select the newly created layout in the "Layout" pulldown list.**

② **Click [Save].**

③ **Click [Close].**



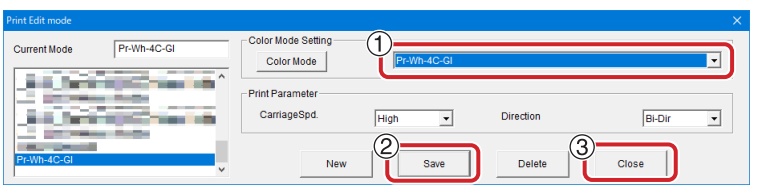
The "Color Mode Setting" window closes, and the "Print Edit mode" window appears.

9 **Select the color mode created in 6.**

① **Select the newly created color mode in the "Color Mode Setting" pulldown list.**

② **Click [Save].**

③ **Click [Close].**

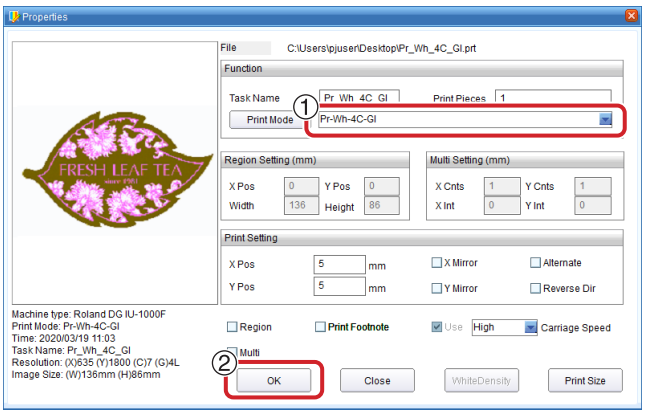


The "Print Edit mode" window closes, and the "Properties" window appears.

⑩ Select the print mode created in ❺ and begin printing.

① Select the newly created print mode in the "Print Mode" pulldown list.

② Click [OK].



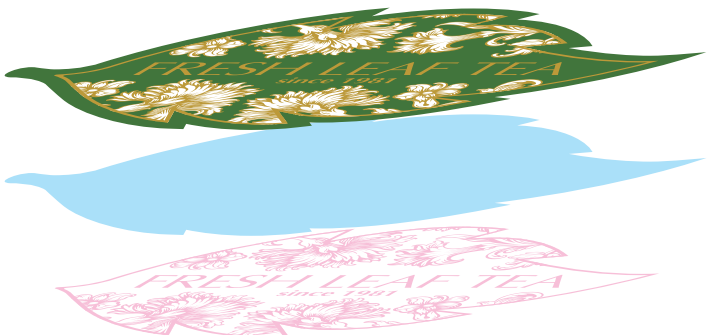
③ If the displayed media thickness is correct, click [Print].

④ If the maintenance station height is correct, click [Yes].

Printing starts.

Using Emboss to Make Patterns and Characters Stand Out

Using a gloss layer provides an uneven surface, creating an embossed product.
Because the gloss layer can result in a slightly yellowish color, the gloss layer should be placed under the pattern.
However, the color of the gloss can affect the color of the pattern, so a white layer must be printed between the gloss and the pattern.



[1]

[2]

[3]

[1]: Pattern printing
[2]: White printing for improved color development
[3]: Gloss layering for creating unevenness

Procedure

1 Create the print data and save it as a rasterized file.

① **Create the print data using Adobe Illustrator or some other drawing software.**

Make three layers, and stack them in the order shown above.
Configure the settings for each layer ([1] to [3]) as follows.

	Layer name	Swatch (*1)	Overprint Fill (*2)
Layer [1]	CMYK	No	On
Layer [2]	White	Spot1	On
Layer [3]	Gloss	Spot2	Off

*1: Specify a swatch for each object within a layer.
*2: "Overprint Fill" in the "Attributes" window

Create two new swatches, and configure the settings as follows.

	Swatch Name	Color Type
Swatch 1	Spot1	Spot color
Swatch 2	Spot2	Spot color

② **Use RIP software such as SAi FlexiPRINT to rasterize the print data.**

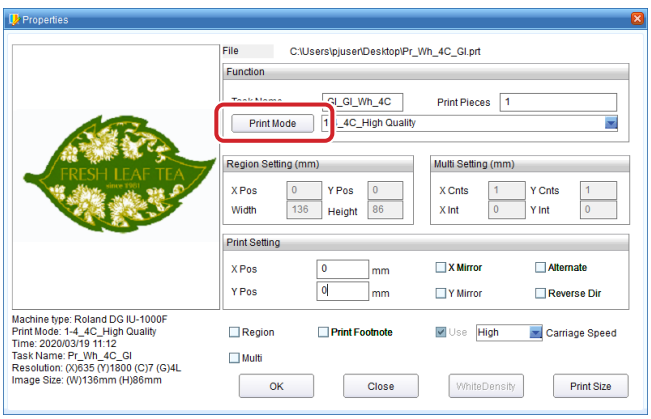
③ **Save the rasterized print data as a file.**

2 **Start Print Control and enter administrator mode.**

3 **Open the file saved in ❶ with Print Control, and double-click the added job.**

The "Properties" window for the job appears.

4 **Click [Print Mode].**



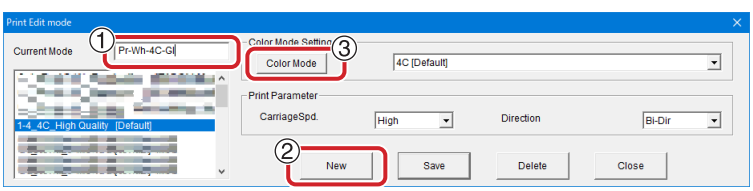
The "Print Edit mode" window appears.

5 **Create a new print mode.**

① **Enter a new name in "Current Mode."**

② **Click [New].**

③ **Click [Color Mode].**



The "Color Mode Setting" window appears.

6 Create a new color mode and configure the settings.

① **Enter a name for the new color mode.**

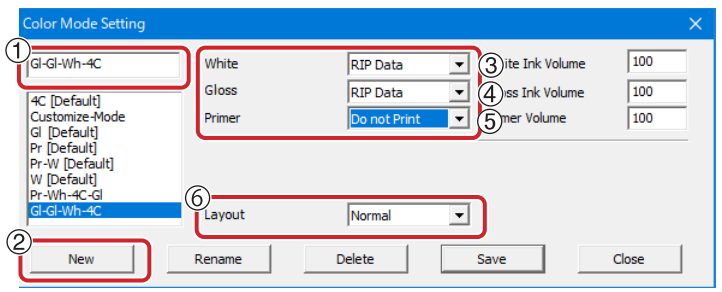
② **Click [New].**

③ **Set "White" to "RIP Data."**

④ **Set "Gloss" to "RIP Data."**

⑤ **Set "Primer" to "Do not Print."**

⑥ **Select "More..." in "Layout."**



The "Layer Settings" window appears.

7 Configure and save the settings for the new layout.

① **Enter a name for the layout. (Example: Gl - Gl - Wh - 4C)**

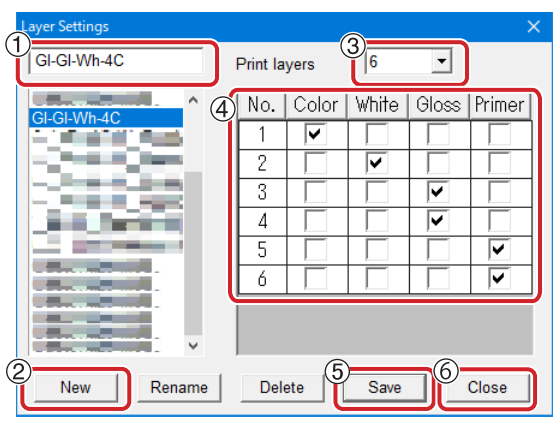
② **Click [New].**

③ **Set the number of layers to 6.**

④ **Configure the settings for each layer as shown in the figure.**

⑤ **Click [Save].**

⑥ **Click [Close].**



MEMO

Set two gloss layers to ensure stable discharge of the gloss ink.

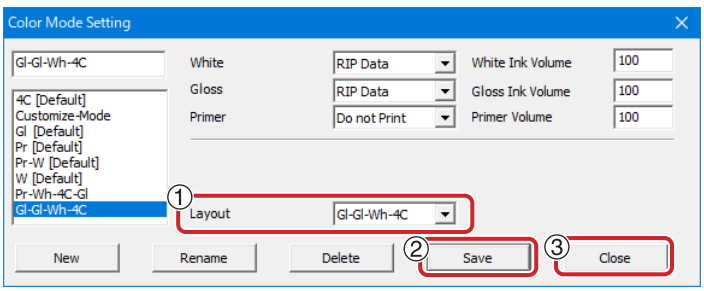
The "Layer Settings" window closes, and the "Color Mode Setting" window appears.

8 **Select the layout created in 7.**

① **Select the newly created layout in the "Layout" pulldown list.**

② **Click [Save].**

③ **Click [Close].**



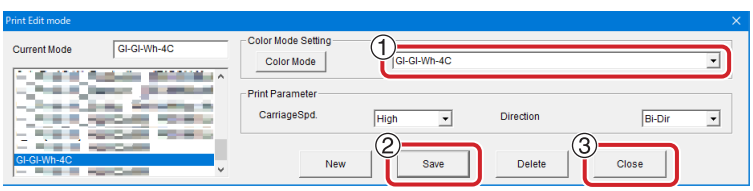
The "Color Mode Setting" window closes, and the "Print Edit mode" window appears.

9 **Select the color mode created in 6.**

① **Select the newly created color mode in the "Color Mode Setting" pulldown list.**

② **Click [Save].**

③ **Click [Close].**

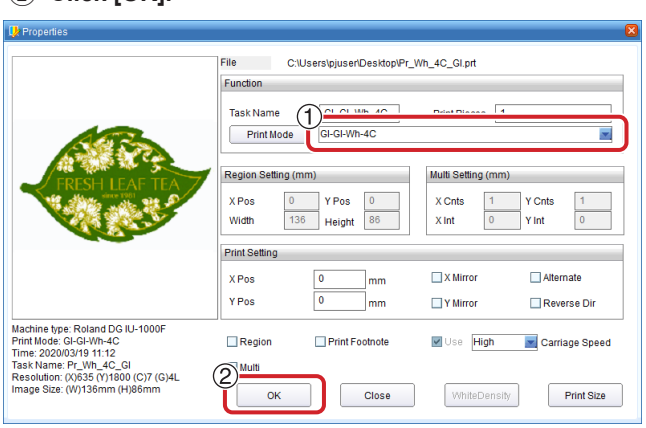


The "Print Edit mode" window closes, and the "Properties" window appears.

10 **Select the print mode created in 5 and begin printing.**

① **Select the newly created print mode in the "Print Mode" pulldown list.**

② **Click [OK].**



③ **If the displayed media thickness is correct, click [Print].**

④ **If the maintenance station height is correct, click [Yes].**

Printing starts.

Three-Layer Printing for Backlit Panels

To minimize the difference between when the backlight is on or off, print the panel using three layers in the order of Pattern – White – Pattern.
To print the entire printing area white, Print Control can be used for printing. Although the print data can include a white print layer, this section introduces how to print white using Print Control.



[1], [3]: Pattern printing
[2]: White printing (Printing solid white using Print Control and adjusting the ink amount if too dark)

Procedure

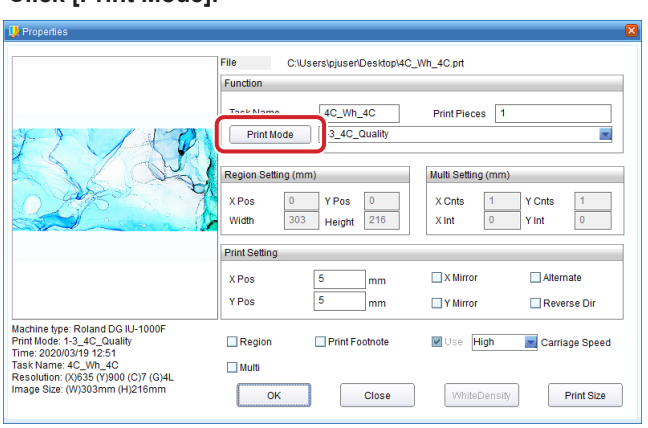
1 Create the print data and save it as a rasterized file.

① **Create the print data using Adobe Illustrator or some other drawing software.**
② **Use RIP software such as SAi FlexiPRINT to rasterize the print data.**
③ **Save the rasterized print data as a file.**

2 Start Print Control and enter administrator mode.

3 Open the file saved in 1 with Print Control, and double-click the added job.
The "Properties" window for the job appears.

4 Click [Print Mode].



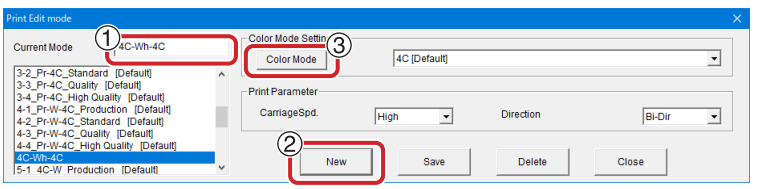
The "Print Edit mode" window appears.

5 Create a new print mode.

① **Enter a new name in "Current Mode."**

② **Click [New].**

③ **Click [Color Mode].**



The "Color Mode Setting" window appears.

6 Create a new color mode and configure the settings.

① **Enter a name for the new color mode.**

② **Click [New].**

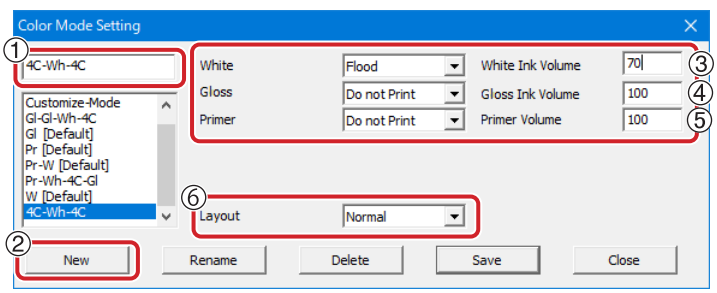
③ **Set "White" to "Flood."**

If light transmission is insufficient and coloration is unacceptable, reduce the white ink volume.

④ **Set "Gloss" to "Do not Print."**

⑤ **Set "Primer" to "Do not Print."**

⑥ **Select "More..." in "Layout."**



The "Layer Settings" window appears.

7 **Configure and save the settings for the new layout.**

① **Enter a name for the layout. (Example: 4C - Wh - 4C)**

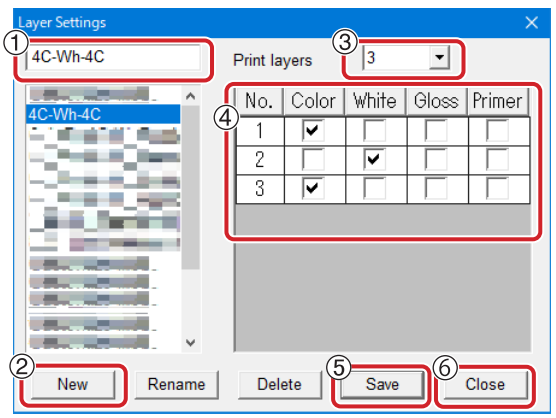
② **Click [New].**

③ **Set the number of layers to 3.**

④ **Configure the settings for each layer as shown in the figure.**

⑤ **Click [Save].**

⑥ **Click [Close].**



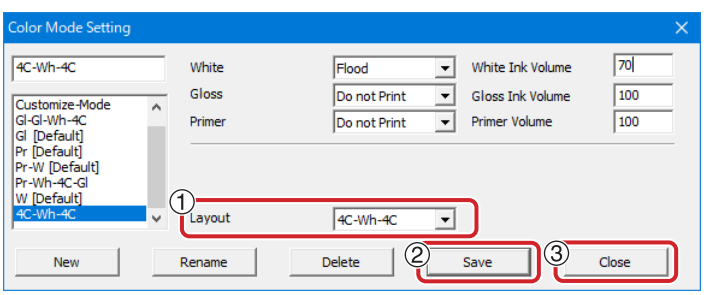
The "Layer Settings" window closes, and the "Color Mode Setting" window appears.

8 **Select the layout created in 7.**

① **Select the newly created layout in the "Layout" pulldown list.**

② **Click [Save].**

③ **Click [Close].**



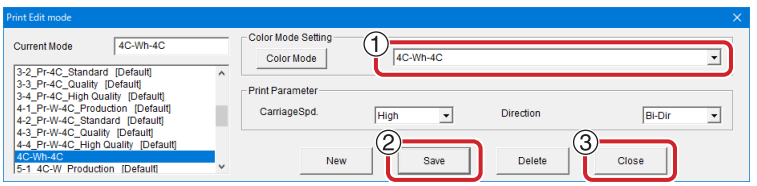
The "Color Mode Setting" window closes, and the "Print Edit mode" window appears.

9 Select the color mode created in 6.

① Select the newly created color mode in the "Color Mode Setting" pulldown list.

② Click [Save].

③ Click [Close].

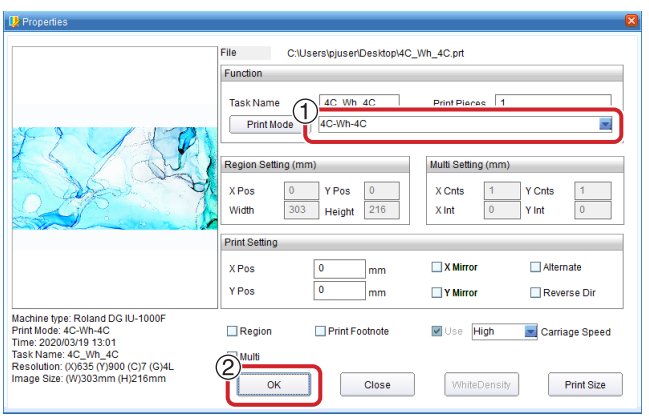


The "Print Edit mode" window closes, and the "Properties" window appears.

10 Select the print mode created in 6 and begin printing.

① Select the newly created print mode in the "Print Mode" pulldown list.

② Click [OK].



③ If the displayed media thickness is correct, click [Print].

④ If the maintenance station height is correct, click [Yes].

Printing starts.



FA02148 R1-200331