

MUTOH

OPERATION MANUAL

MUTOH Layer Editor

Read This Manual Before Using The Application

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1. Introduction

MUTOH Layer Editor (referred to as “Layer Editor”) is a print application, enhancing the layer printing capability on printers.

Main features:

- Create layer printing data by assigning print files sent from Windows printer driver or RIP software to appropriate layers.

Printer Model

XPJ-461UF	XPJ-661UF	VJ-426UF	VJ-626UF	VJ-628X
VJ-628MP	VJ-1638UR	VJ-1638UH	VJ-1626UH	VJ-1617H
VJ-1628X	VJ-1627MH			

- Specify the necessary layer setting before print so that can prevent misoperation.
Store all print data sent from the driver or RIP to easily reuse them for another layer printing. Create a single-layer printing data that prints up to 3-layer in one pass.
- XPJ-461UF / XPJ-661UF / VJ-426UF / VJ-626UF: In multi-layer printing, send up to 15-layer data as one print job to the printer so that other incoming print data from other PCs cannot interrupt the layer printing until complete.

In this manual, we will explain the operation procedure for Layer Editor Ver.5.4.0 or later version.

Function names, design and specification are subject to change without notice.

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2. Operating Environment

- To use this application, you need to have the Windows printer driver or RIP software for your printer installed on your computer.
- The driver Ver.1.0.0 or later is supported.
- Layer Editor is compatible with the system requirements of printer driver and/or RIP software.

System Requirements

Operating System (OS)	Windows7	[32bit/64bit]
	Windows8/8.1	[32bit/64bit]
	Windows10	[32bit/64bit]
	*Use the latest Service Pack.	
Video Card/ Display Resolution	Width: 1366 x Height: 768 px or more is recommended.	

NOTE

You can separately save a print data and preview data on your PC. If you want to save a large amount of data, change the save location by following the procedure of 7.17 Spool Folder.

3. Before Starting

3.1. Printer Registration

The registration of your printer is required to edit and print from Layer Editor. Follow the one of the following methods to add your printer name and IP address to Layer Editor.

3.1.1. Printing with Windows Printer Driver

XPJ-461UF	XPJ-661UF			
VJ-426UF	VJ-626UF	VJ-628X	VJ-628MP	VJ-1627MH

In the above models, the Windows printer driver is included in the supplied CD-ROM. Before starting Layer Editor, you need to install the printer driver to your computer. When starting Layer Editor after the installation, the printer model and the IP address are automatically applied to the application, allowing you to send and print data through the printer driver.

For details of this settings, see 4 Printer Driver 5.2.1 Printer Models using Windows printer driver










3.1.2. Printing with RIP Software








When starting Layer Editor for the first time, you need to add the printer model and IP address on the Printer dialog, allowing you to send and print data through RIP.

For details of this settings, see 5.2.2 Other Printer Models

3.2. Color Mode on Print File

Using print files sent from Windows printer driver or RIP software, you can perform layer printing in Layer Editor. Each print file has a color mode and should be assigned to the appropriate layer. Available color modes vary by printer model and ink configuration setting. If you are using VJ-628MP, VJ-628X, or VJ-1628X, the color mode file displayed in the print data list varies depending on the ink configuration selection (VJ-628MP: 5 color or 7 color, VJ-628X/ VJ-1628X: 7 color or 8 color). The ink configuration setting can be done from 5.2.3 Ink Color Configuration










6 Color "KCMYWV"				
Ink			Model	Color mode
K		black	XPJ-461UF	Color 
C		cyan	XPJ-661UF	
M		magenta	VJ-426UF	White 
Y		yellow	VJ-626UF ^(*1)	
W		white	VJ-1626UH	Varnish 
V		varnish	VJ-1638UH	
			VJ-1638UR ^(*2)	





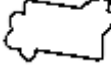







5 Color "KCMYW"				
Ink			Model	Color mode
K		black	VJ-628MP VJ-1627MH VJ-1617H	Color 
C		cyan		
M		magenta		White 
Y		yellow		
W		white		

NOTE

(*1) VJ-626UF has "Rotary Unit" mode to support cylindrical printing using the optional Rotary Unit. For details of this settings, see 5.2.4 XPJ-661UF / VJ-626UF .

(*2) If you select 5-color configuration "Color-Varnish (KCMYV)" in VJ-1638UR, some single layer mode will be disabled. When using 5-color configuration, check the layer mode (see 5.7.6 VJ-1638UR).

7 color "KCMYLcLmW"			
Ink		Model	Color mode
K	 black	VJ-628MP VJ-628X VJ-1628X	<div>color </div> <div>white </div>
C	 cyan		
M	 magenta		
Y	 yellow		
Lc	 light cyan		
Lm	 Light magenta		
W	 white		

8 color "KCMYLcLmWMt"			
Ink		Model	Color mode
K	 black	VJ-628X VJ-1628X	<div>color </div> <div>white </div> <div>metallic </div> <div>Mask Data (*3) </div>
C	 cyan		
M	 magenta		
Y	 yellow		
Lc	 light cyan		
Lm	 Light magenta		
W	 white		
Mt	 metallic		

NOTE

(*3) Mask data is used in VJ-628X / VJ-1628X with 8-color configuration for metallic printing to knock out the background color. When selecting the Metallic Library mode, use a mask data file and metallic color file for metallic printing (see 5.13 How to use Mutoh Metallic Library for VJ-628X / VJ-1628X).

4. Printer Driver

4.1. Open Printer Driver Properties

Open **Devices and Printers** dialog.

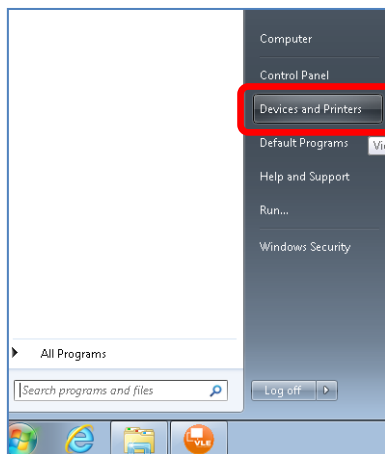


Click **Printing preferences**.

Open Devices and Printers dialog

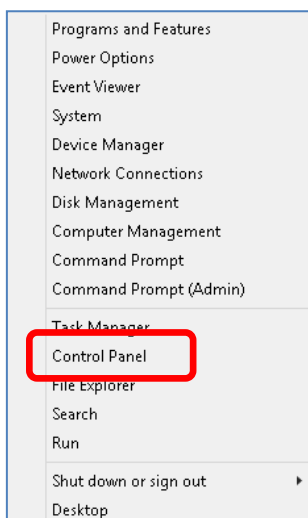
Windows7

Go to **Start** menu and click **Devices and Printers**.

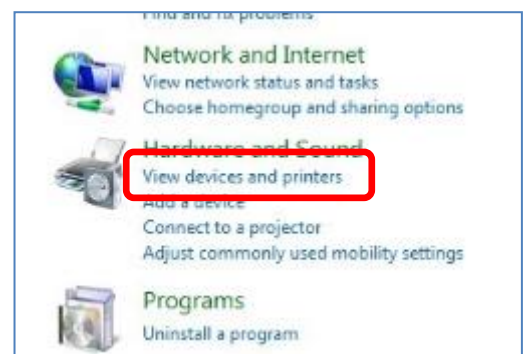


Windows8.1

Press [Windows] key and [X] key on the keyboard together. Click **Control Panel** from the menu.

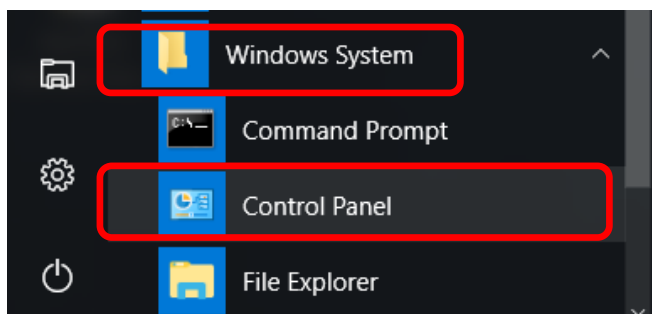


Click **View devices and printers**.

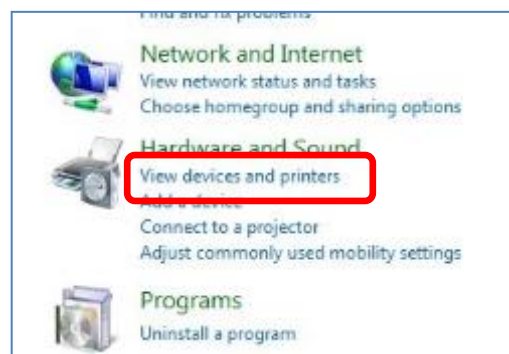


Windows10

Go to **Start** menu. Scroll down and open **Control Panel** in **Windows System**.

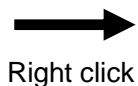


Click **View devices and printers**.

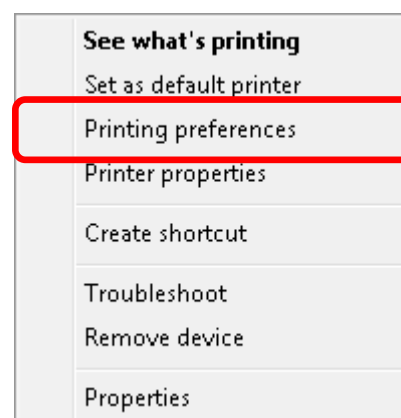


Click Printing Preferences

Right click on the printer icon you want to use, and click **Printing preferences** from the menu.



Right click



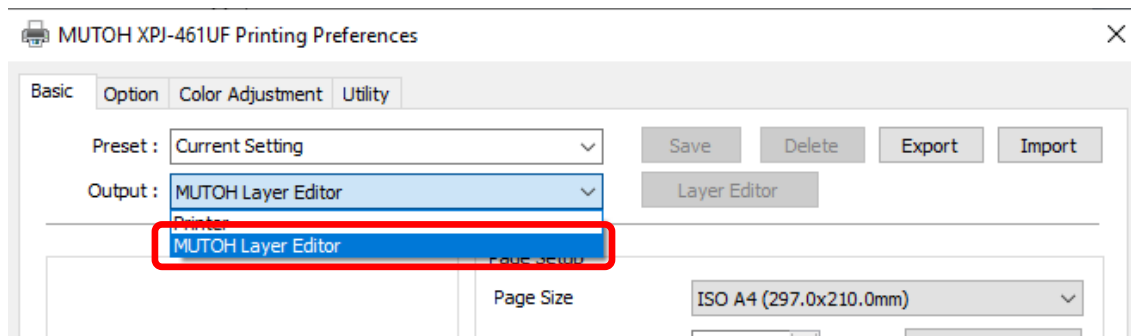
NOTE

For further operation procedure via driver or Layer Editor, go to the Help menu in the driver or see Printer Driver User's Guide.

4.2. Printer Driver Settings

Redirect the output from your printer to Layer Editor.

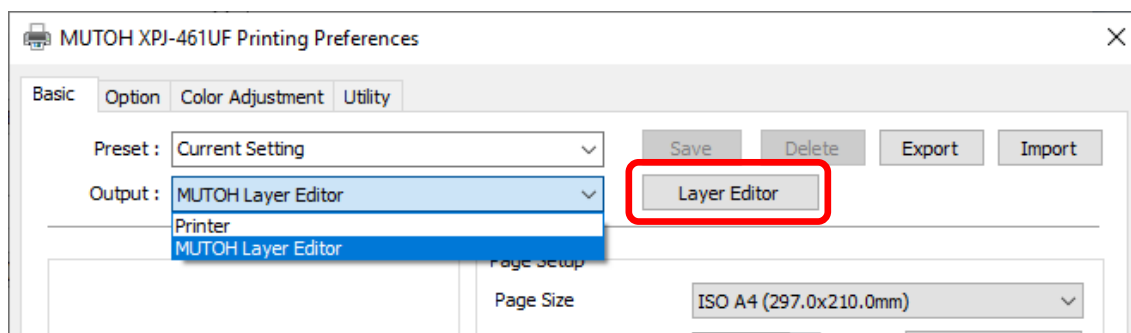
In your driver Basic tab, choose **MUTOH Layer Editor** from the Output pull-down menu and click **OK**.



4.3. Start Layer Editor

Start Layer Editor from the printer driver.

In your driver Option tab, click **Edit Layer**.

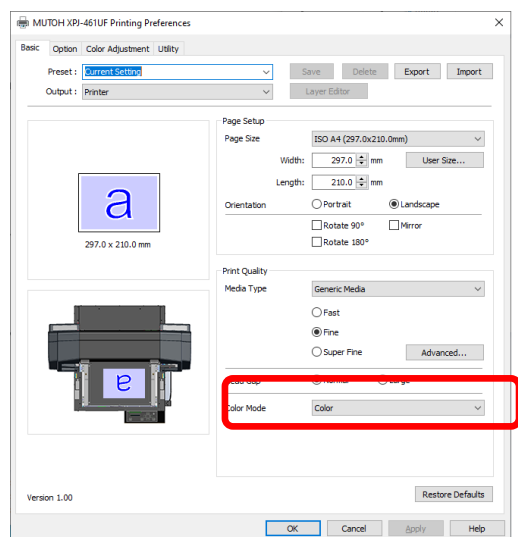


4.4. Color Mode Selection

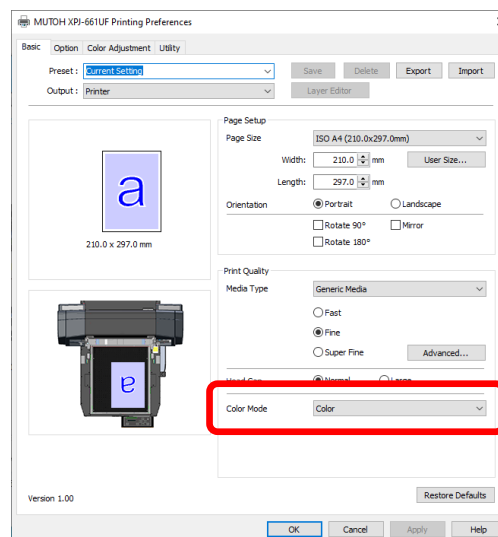
4.4.1. XPJ-461UF / XPJ-661UF / VJ-426UF / VJ-626UF

Select Full-Color printing or White/Varnish printing by using spot color data.

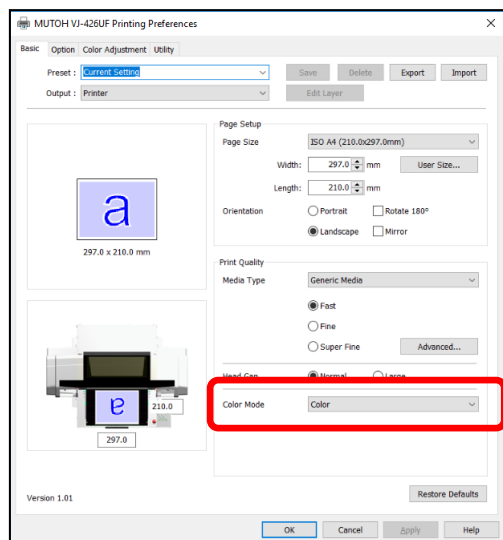
XPJ-461UF



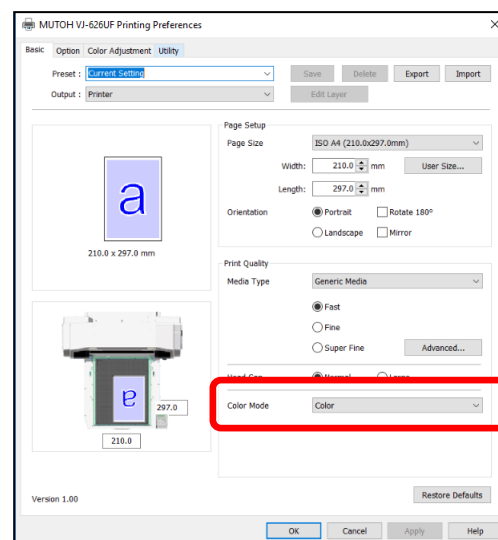
XPJ-661UF



VJ-426UF



VJ-626UF



Full-Color Printing

Color Mode	Color
Color Mode	No Color Correction

White Printing

Color Mode	White	
Ink Density	100 %	<input type="checkbox"/> High-density
	<input type="checkbox"/> Enables Gradation	

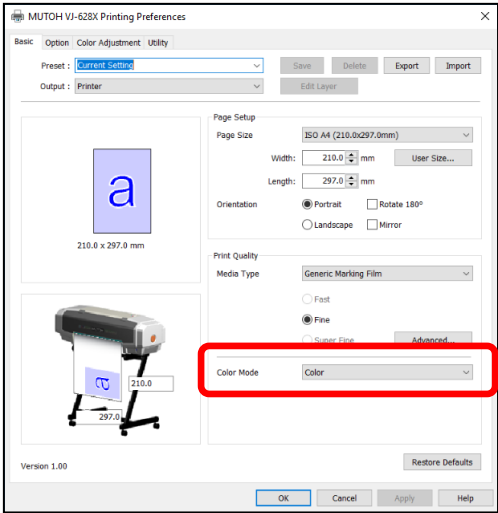
Varnish Printing

Color Mode	Varnish	
Ink Density	100 %	<input type="checkbox"/> High-density
	<input type="checkbox"/> Enables Gradation	
	<input type="checkbox"/> Gloss-Finish Printing	

4.4.2. VJ-628X

You can select following color mode for full-color printing or spot color printing:

- VJ-628X (7-color config.) Color, White
- VJ-628X (8-color config.) Color, White, Metallic, Mask Data



VJ-628X (7 colors)

Full-Color Printing

Color Mode Color

White Printing

Color Mode White

Ink Density 100 % ☐ High-density

☐ Enables Gradation

VJ-628X (8 colors)

Full-Color Printing

Color Mode Color

White Printing

Color Mode White

Ink Density 100 %

☐ Enables Gradation

Metallic Printing

Color Mode Metallic

Ink Density 100 %

☐ Enables Gradation

Mask Data Printing

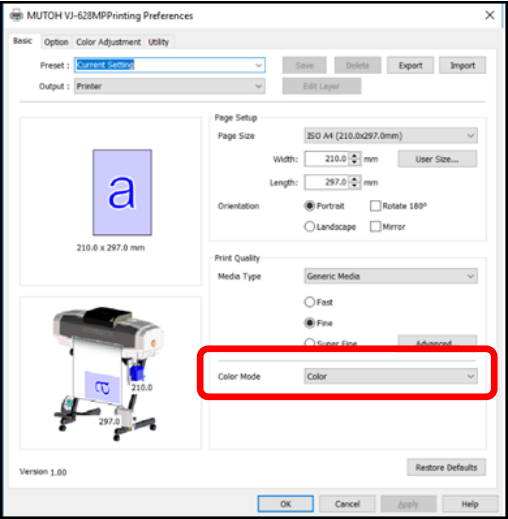
Color Mode Mask Data

Ink Density 100 %

☐ Enables Gradation

4.4.3. VJ-628MP

Select Full-Color printing or White printing by using spot color data.



VJ-628MP (5 colors)

Full-Color Printing

Color Mode Color

White Printing

Color Mode White
Ink Density 100 % ☐ High-density
☐ Enables Gradation

VJ-628MP (7 colors)

Full-Color Printing

Color Mode Color

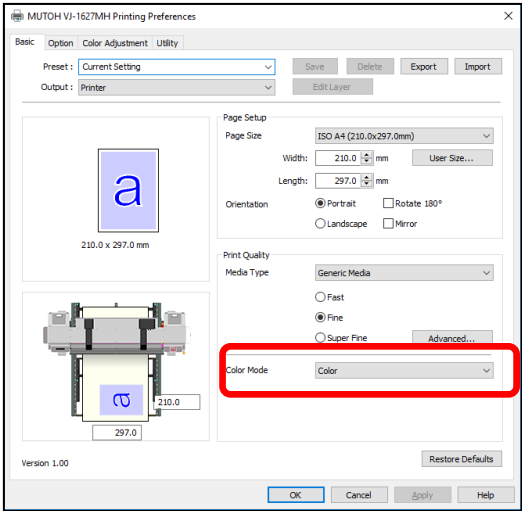
White Printing

Color Mode White
Ink Density 100 % ☐ Enables Gradation

4.4.4. VJ-1627MH

Select Full-Color printing or White printing by using spot color data.

VJ-1627MH



Full-Color Printing

Color Mode Color

White Printing

Color Mode White

Ink Density 100 %

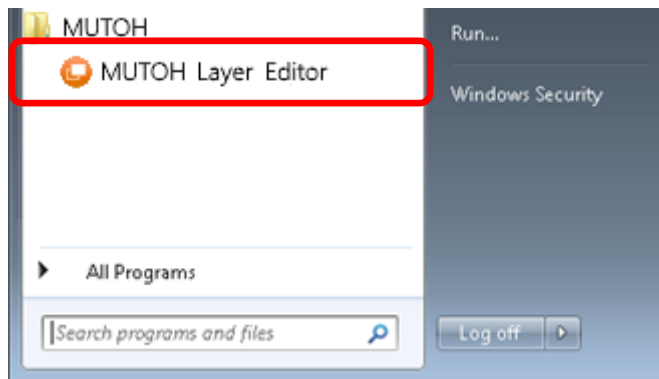
☐ Enables Gradation

5. Basic Layer Printing Procedure

5.1. Start MUTOH Layer Editor

Windows7

Go to **Start > All Programs > MUTOH > MUTOH Layer Editor**.



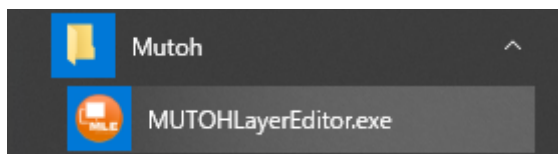
Windows8.1

- 1) On your Start screen, click the **Search** button to open Search.
- 2) Enter 'MUTOH Layer Editor' in the Search field. Right click on the **MUTOH Layer Editor** icon, and then select **Pin to Start**. Layer Editor will be pinned on the Start screen.



Windows10

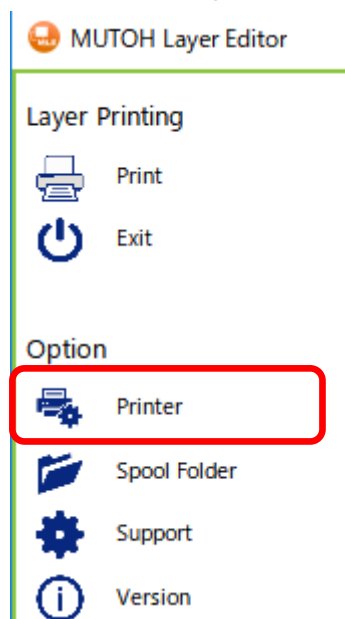
Go to **Start > All apps > MUTOH > MUTOH Layer Editor**.



5.2. Initial Setting (for initial Start-up only)

When starting Layer Editor for the first time, the Printer Selection dialog appears.

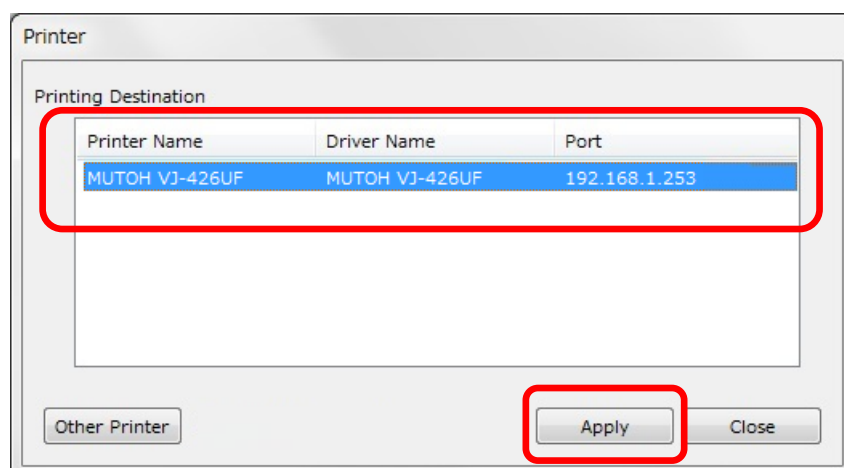
If you want to change the printer, go to Printer menu from the Main menu.



5.2.1. Printer Models using Windows printer driver

If printer driver has been already installed to your computer, the printer name, driver name and port setting are listed in the Printer Selection dialog.

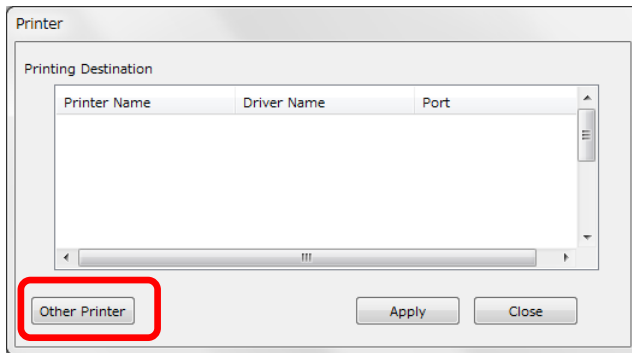
Choose the printer you want to use and click **Apply**.



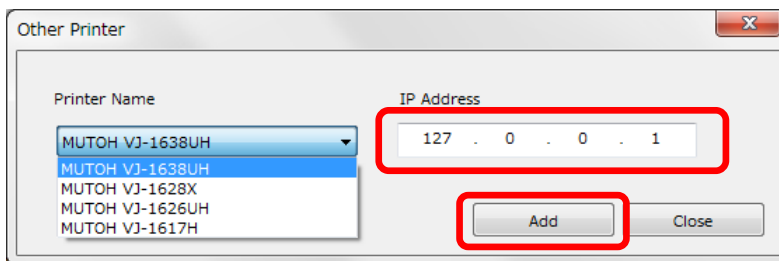
5.2.2. Other Printer Models

Printer models which use RIP software to output print files are not displayed in the Printer dialog when starting Layer Editor for the first time.

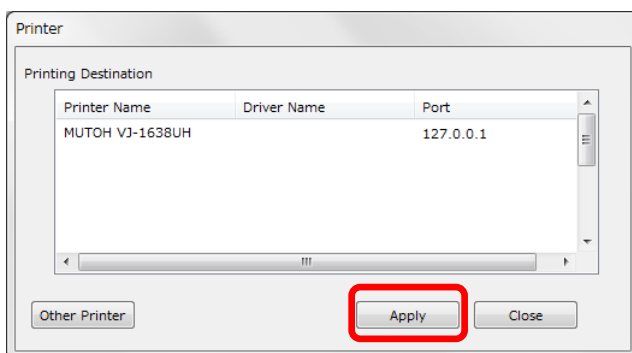
- 1) Click **Other Printer**. The Other Printer dialog will appear.



- 2) Check that the printer you want to use is selected in the list, and then enter the IP address. Click **Add**.



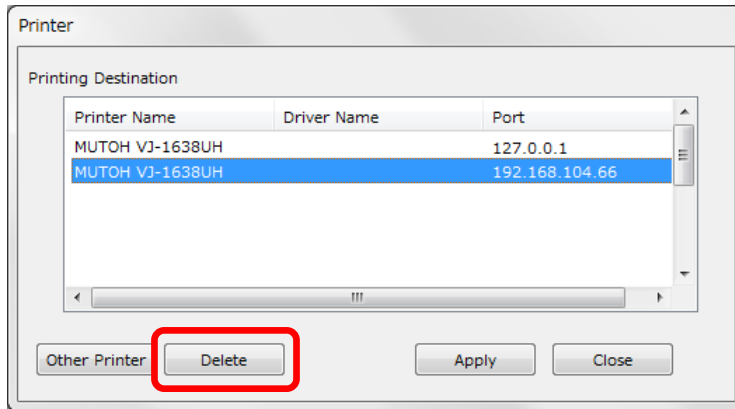
- 3) The IP address is added to the list on the Printer Selection dialog. Choose the printer you want to use and click **Apply**.



Delete

More than one printer port can be added to the Printer Selection dialog.

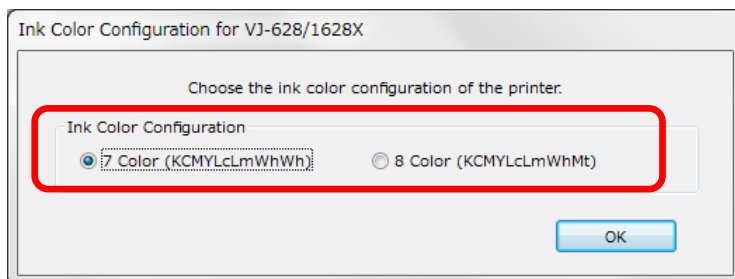
To delete the unwanted port from the list, select the port and click **Delete**.



5.2.3. Ink Color Configuration

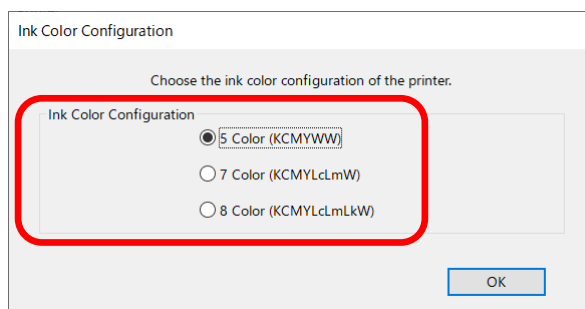
5.2.3.1. VJ-628X / VJ-1628X

If VJ-628X or VJ-1628X is selected, the Ink Color Configuration dialog for VJ-628X / VJ-1628X appears. Check the ink color configuration of your printer and choose 7-color or 8-color. Then click OK.



5.2.3.2. VJ-628MP

If VJ-628MP is selected, the Ink Color Configuration dialog appears. Check the ink color configuration of your printer and choose 5-color, 7-color or 8-color. Then click **OK**.

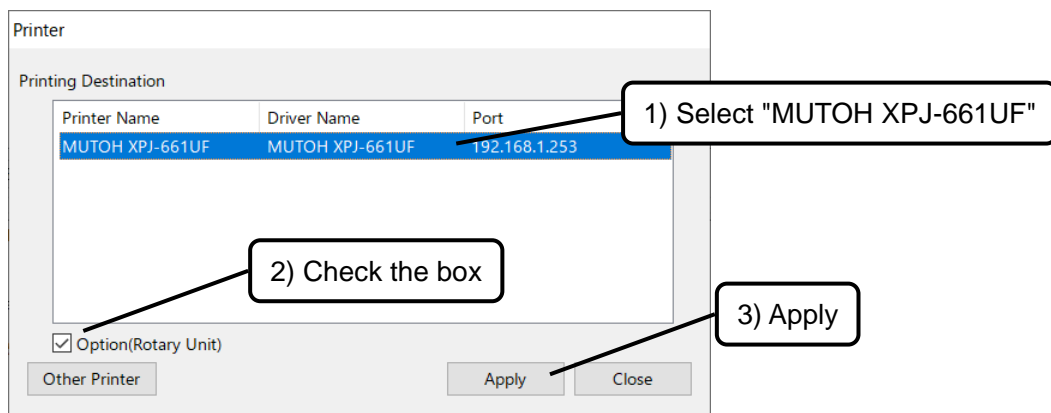


5.2.4. XPJ-661UF / VJ-626UF Rotary Unit

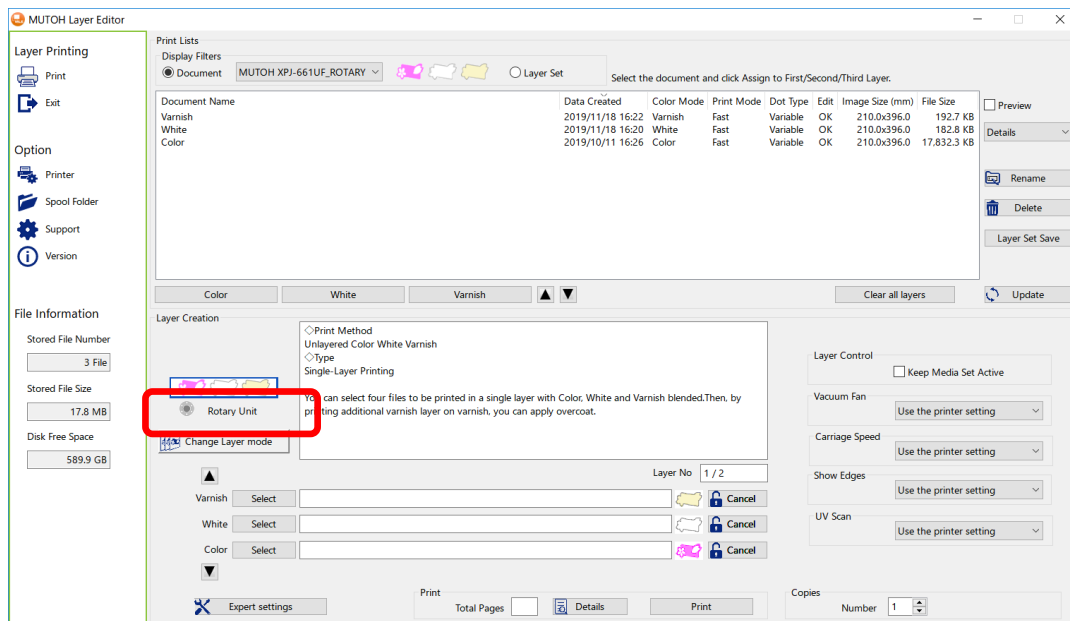
In addition to the basic flatbed printing mode, XPJ-661UF / VJ-626UF offers a cylindrical printing using the optional Rotary Unit.

When using the Rotary Unit, follow the steps below to enable Option (Rotary Unit).

- 1) Select the driver name, "MUTOH XPJ-661UF", "MUTOH VJ-626UF", from the Printer Selection dialog.
- 2) "Option (Rotary Unit)" check box appears at the bottom of the dialog. If you use Rotary Unit, click the check box.
- 3) Click **Apply**.



After setting the driver name, icon and text of Rotary Unit are displayed on the main screen.



5.3. Startup Behavior

Layer Editor automatically starts the following process on every startup.

Dot Type Conversion

Recognizes the dot type as variable dot for all print file. Always converts the dot type to variable dot even if a newly imported file has not specified variable dot.

Color Mode Edit Determination

Determines if color mode edit function is available for newly imported print file.

* With the Color Mode Edit function, you can change color mode or assign ink plane.

To open the Color Mode Edit dialog, see 5.9 Buttons (2) Image Preview.

For the procedures of color mode editing, see 'MUTOH Layer Editor How to Edit Color Mode on Print File'. This document is available from following folders:

CDROM Manual¥LayerEditor¥MLEE-B-01.pdf

Installer ¥MLEE-B-01.pdf

NOTE

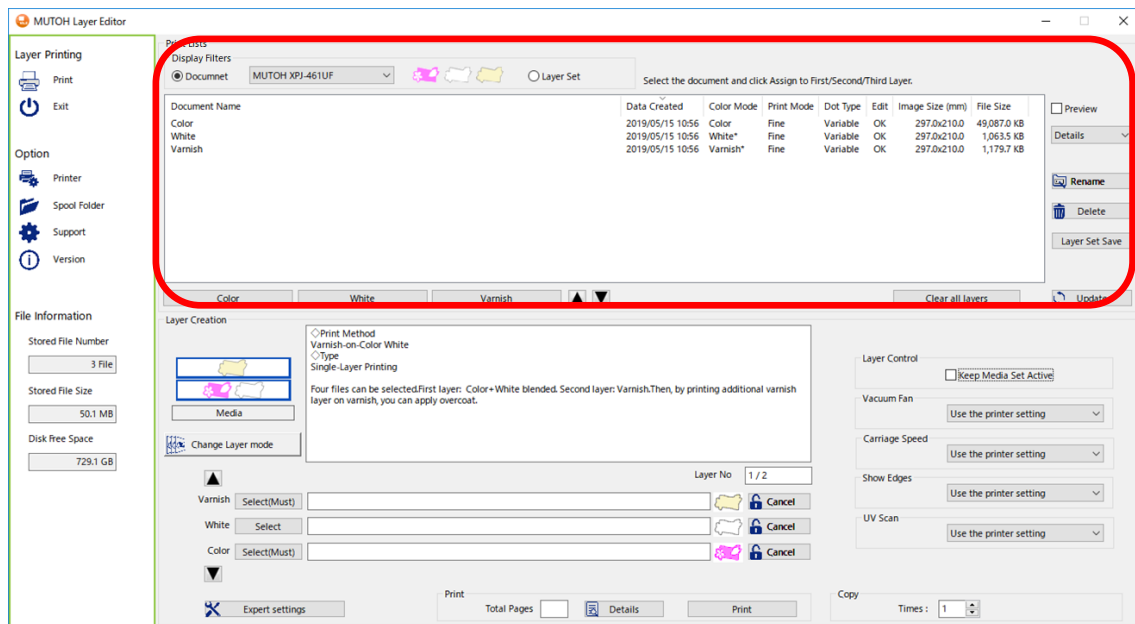
Above processing is run once for every print file and it requires time to display the result. If it has been already performed, Layer Editor will not run this processing on the print file from the next startup. For the details, see 5.5 Documents for Print

5.4. Menus

After selecting the printer, the main menu appears.

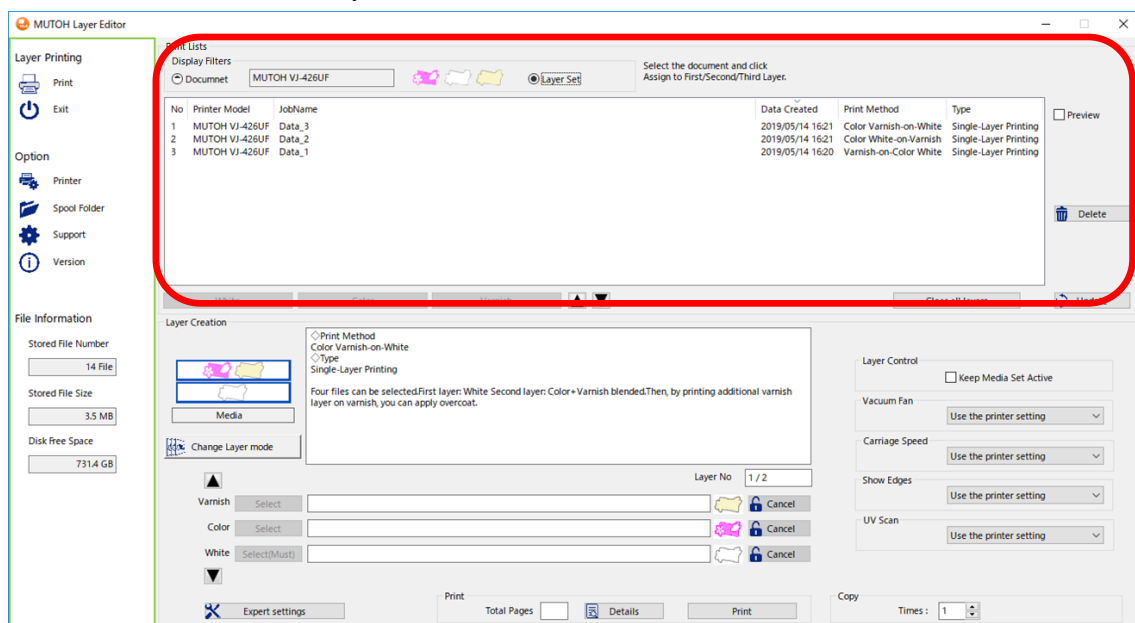
Two different lists are displayed in the upper part of main menu. Select the 'Document' to display the print files, and select the 'Layer Set' to display the layer printing data that you created. You can switch the display by clicking the radio button.

Main Menu 'Document'

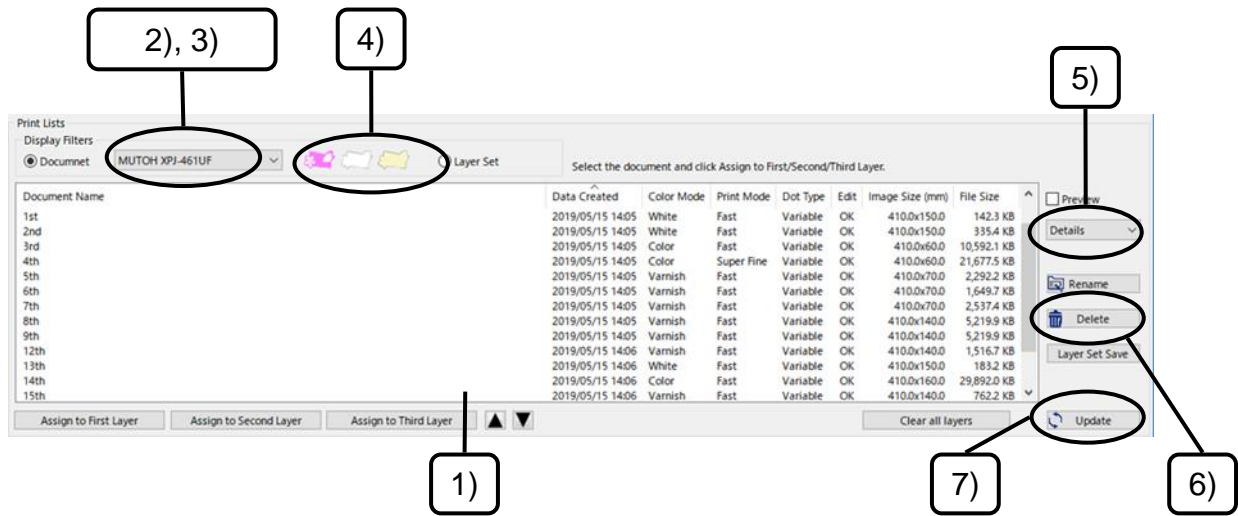


Main Menu 'Layer Set'

*For the details, see 5.16 Layer Set



5.5. Documents for Print



1) Print Data List

Displays the print data from the printer driver or RIP.

File information from the left: Document Name/Data Created/Color Mode/Print Mode/Dot Type/Edit/Image Size/File Size.

Document Name	Data Created	Color Mode	Print Mode	Dot Type	Edit	Image Size (mm)	File Size
13th	2019/05/10 14:11	Color	Super Fine	Variable	OK	297.0x210.0	599.2 KB
11th	2019/05/09 17:25	White	Fine	Variable	OK	297.0x210.0	107.0 KB
12th	2019/05/09 17:25	Varnish*	Fast	Variable	OK	297.0x210.0	432.0 KB
9th	2019/05/09 17:24	Varnish	Fast	Variable	OK	297.0x210.0	62.7 KB
7th	2019/05/09 17:23	Color	Fast	Variable	OK	297.0x210.0	194.5 KB
8th	2019/05/09 17:23	White	Fast	Variable	OK	297.0x210.0	59.7 KB
5th	2019/05/09 17:22	White	Fine	Variable	OK	297.0x210.0	76.6 KB
6th	2019/05/09 17:22	Varnish	Fine	Variable	OK	297.0x210.0	83.1 KB
4th	2019/05/09 17:21	Color	Fine	Variable	OK	297.0x210.0	265.5 KB
3rd	2019/05/09 17:20	Varnish*	Super Fine	Variable	OK	297.0x210.0	541.8 KB
2nd	2019/05/09 17:17	White*	Super Fine	Variable	OK	297.0x210.0	409.5 KB
1st	2019/05/09 17:15	Color	Super Fine	Variable	OK	297.0x210.0	432.5 KB

Color Mode

Displays the color mode applied to the print file. In some printer models, the mark ‘**’ appears next to the color mode.

Color Mode	XPJ-461UF XPJ-661UF VJ-426UF VJ-626UF VJ-1626UH	VJ-1627MH VJ-1617H VJ-628MP 5 color	VJ-628MP 7 color 8 color	VJ-628X 7color VJ-1628X 7 color	VJ-628X 8color VJ-1628X 8 color	VJ-1638UR VJ-1638UH
Color	✓	✓	✓	✓	✓	✓
White	✓	✓	✓	✓	✓	✓
Varnish	✓					✓
Metallic					✓	
Maskdata					✓	
Gray Scale						✓(*3)
Color#					✓(*2)	
White			✓			
White#					✓(*2)	
White*	✓(*1)	✓(*1)		✓(*1)		✓(*1)
Varnish*	✓(*1)					✓(*1)

(*1) White* or Varnish* indicates a white or varnish print file with ‘High-density’ setting.

(*2) Color# or White# indicates a color or white print file which is used for metallic layer printing using a metallic print file or Mutoh Metallic Library (5.13 How to use Mutoh Metallic Library for VJ-628X / VJ-1628XJ)

(*3) Gray Scale file can be assigned to white or varnish layer.

Dot Type

Displays the dot type of the imported print file. While converting, its original dot type appears on the print data list. If no data error is detected, the word 'Variable' appears on the list after data conversion.

Edit

Displays the determination results if the color mode edit function is available for the imported print file. While determining, the mark '-' appears on the list. After determining, the message 'OK' or 'NG' appears on the list. When 'OK' appears, you can edit the color mode of the print file or assign it to an appropriate layer.

Print Data List

During data conversion/determination

Document Name	Data Created	Color Mode	Print Mode	Dot Type	Edit
sample.jpeg	2017/03/21 14:29	Color	Banner1	Small	---



When the data conversion or determination is completed, the update icon appears next to 7) Update button. Click **Update** to update the list.



After data conversion/determination

Document Name	Data Created	Color Mode	Print Mode	Dot Type	Edit
sample.jpeg	2017/03/21 14:29	Color	Banner1	Variable	OK

NOTE

- Since some of the print files do not much the existing color mode conditions in Layer Editor, unintended color mode may be applied to the imported file. In such case, change to the appropriate color mode.
- For a print file with 'High-density' setting, while the mark '---' appears on the Edit column, the color mode of the file is tentatively displayed as 'Color'.

Document Name	Data Created	Color Mode	Print Mode	Dot Type	Edit
sample.jpeg	2017/03/21 14:45	Color	Fine	Variable	---
sample.jpeg	2017/03/21 14:45	Color	Fine	Variable	---



When 'OK' appears on the Edit column, 'White*' or 'Varnish*' is displayed on the Color Mode column. Then, you can edit the color mode of the file or assign it to an appropriate layer.

Document Name	Data Created	Color Mode	Print Mode	Dot Type	Edit
sample.jpeg	2017/03/21 14:45	White*	Fine	Variable	OK
sample.jpeg	2017/03/21 14:45	Varnish*	Fine	Variable	OK

Multiple selections

You can also select multiple files using [shift] or [ctrl] key to delete them all at once.

While holding down the [shift] key, click on “1_Black” through “10_Varnish” to select all files.

Document Name	Data Created	Color Mode
10_Varnish	2015/06/25 17:14	Varnish
8_Varnish	2015/06/25 17:13	Varnish
9_Varnish	2015/06/25 17:13	Varnish
7_Varnish	2015/06/25 17:12	Varnish
6_Varnish	2015/06/25 17:11	Varnish
4_Color	2015/06/25 17:10	Color
5_Varnish	2015/06/25 17:10	Varnish
3_Carbon	2015/06/25 17:08	Color
2_White	2015/06/25 17:07	White
1_Black	2015/06/25 17:05	Color

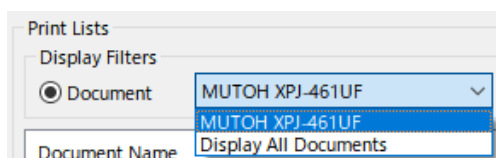
While holding down the [ctrl] key, click on “1_Black” and “10_Varnish” to select two files.

Document Name	Data Created	Color Mode
10_Varnish	2015/06/25 17:14	Varnish
8_Varnish	2015/06/25 17:13	Varnish
9_Varnish	2015/06/25 17:13	Varnish
7_Varnish	2015/06/25 17:12	Varnish
6_Varnish	2015/06/25 17:11	Varnish
4_Color	2015/06/25 17:10	Color
5_Varnish	2015/06/25 17:10	Varnish
3_Carbon	2015/06/25 17:08	Color
2_White	2015/06/25 17:07	White
1_Black	2015/06/25 17:05	Color

2) Selected Model Documents button

This button indicates your printer model and ink configuration selected in the Ink Color Configuration dialog.

When clicking this button or at the first start-up, the print data list refines the data of your selected model.



XPJ-461UF XPJ-661UF VJ-426UF VJ-626UF

VJ-1626UH VJ-1617H VJ-628MP VJ-1627MH

Document Name	Data Created	Color Mode
Amsterdam	2017/03/27 17:15	Color
White	2017/03/22 09:44	White
High-Density White	2017/03/21 14:45	White*
Varnish	2017/03/29 09:18	Varnish
High-Density Varnish	2017/03/21 14:45	Varnish*

VJ-1638UH VJ-1638UR

Document Name	Data Created	Color Mode
Amsterdam	2017/03/27 17:15	Color
White	2017/03/22 09:44	White
High-Density White	2017/03/21 14:45	White*
Varnish	2017/03/29 09:18	Varnish
High-Density Varnish	2017/03/21 14:45	Varnish*
Gray Scale	2017/03/29 10:30	Gray Scale

VJ-628X VJ-1628X

Document Name	Data Created	Color Mode
Metallic	2017/03/29 09:40	Metallic
White1	2017/03/29 09:43	White
White2	2017/03/29 09:40	White#
MaskData	2017/03/29 09:40	Maskdata
Amsterdam	2017/03/29 09:42	Color
Amsterdam	2017/03/29 09:40	Color#
High-Density White	2017/03/21 14:45	White*

3) Display All Documents button

Cancels to refine the data to display all print data.

Print Lists

Display Filters

Document

MUTOH XPJ-461UF

MUTOH XPJ-461UF

Display All Documents

Document Name

Document Name	Data Created	Color Mode
Sample	2018/09/18 17:06	Color
Sample-photo	2018/09/18 17:07	Color#
Sample2	2018/09/18 17:07	Color
Under-White	2018/09/18 17:06	White#
White_Sample	2018/09/19 11:10	White
Metallic_Sample	2018/09/18 17:07	Metallic

4) Color Icons

Displays the color icons supported to each model.

XPJ-461UF

XPJ-661UF

VJ-626UF

VJ-1638UH

VJ-426UF

VJ-1626UH

VJ-1638UR

VJ-1627MH

VJ-628X (7-color)

VJ-628MP

VJ-1628X(7-color)

VJ-1617H

VJ-628X (8-color)

VJ-1628X (8-color)

5) Details/Icon

Change the display format on the print data list.

Switch the print data list between Details and Icon.

Preview

Details

Details

Icon

Details

Document Name	Data Created	Color Mode
Amsterdam	2018/09/20 08:49	Color#
Sample_Font1	2018/09/20 08:49	White#
Sample_Font2	2018/09/20 08:49	Metallic
Sample_Font2	2018/09/20 08:49	Maskdata

Icon

Sample

Sample

Sample

Amsterdam

Sample_Font1

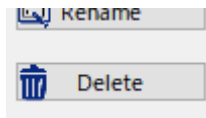
Sample_Font2

Sample_Font2

6) Delete button

Deletes a file from the Print Data List.

Click on the file you want to delete and then click **Delete**.



7) Update button

Updates the print data list.

To prompt the update, the following icon will appear next to the Update button.

When the icons appear, click **Update** to update the list.

**NOTE**

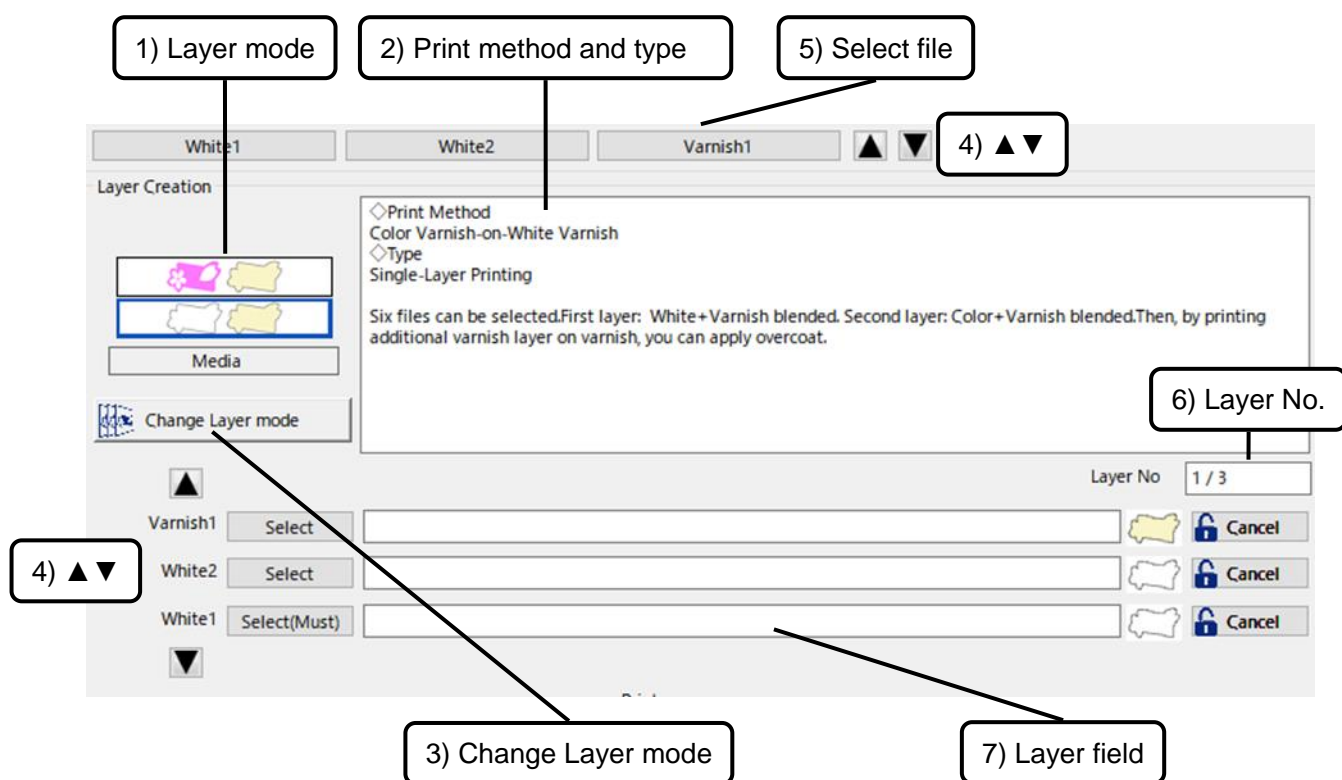
If you accidentally delete a file from the Print Data List, please check the 'Recycle Bin' in Windows. You can restore the deleted file to its original location by right-clicking on the file (***.prn) and then clicking **Restore**.

5.6. Select Layer Mode

The selected layer mode is displayed in the middle of main screen.

- 1) The color icon shows the layer mode.
- 2) Print method, type and its functional explanation are described in the text box field.
- 3) Click "Change Layer mode" to go to the Select Layer Mode menu. The supported layer mode varies by printer model and ink color configuration.
- 4) If more than 3 files can be assigned, [▲] [▼] arrows are displayed to switch the layer display by clicking the button.

By switching the layer display, the currently selected 1) Layer mode is displayed in the blue frame and the display of 5) "Select file", 6) "Layer No." and 7) "Layer field" are also switched.

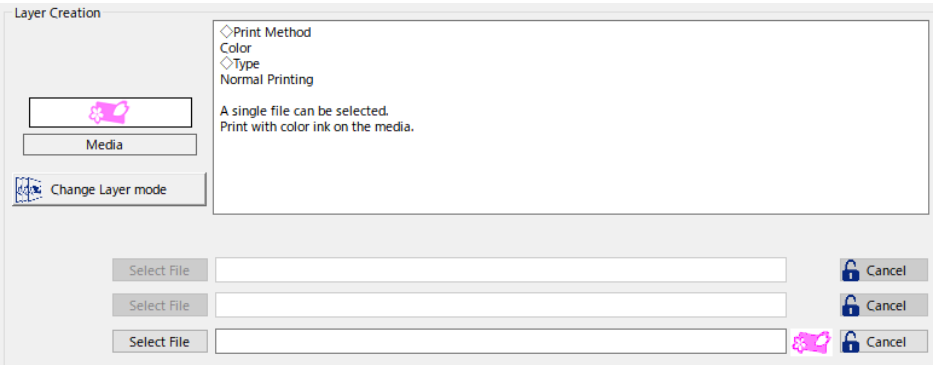


5.6.1. Normal Printing

Prints a file in color or white or varnish in single layer.

White and varnish are available depending on the printer model.

Color

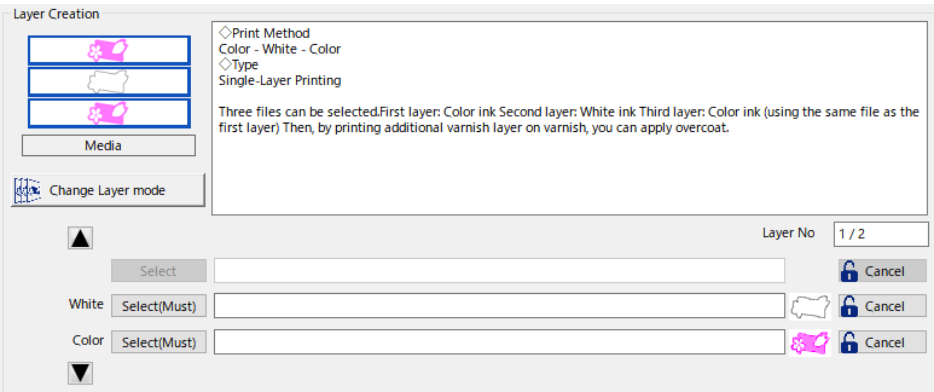


5.6.2. Single-Layer-Printing

Prints the color mode files specified for each layer in one single pass.

Assign the print file in the layer field, and combine all layers to print as one data.

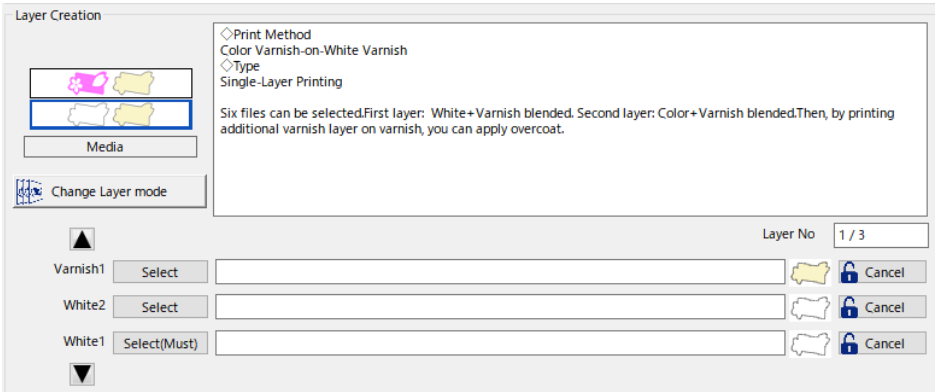
Color - White – Color



Displays [▲] [▼] arrows to switch the layer display by clicking the button.

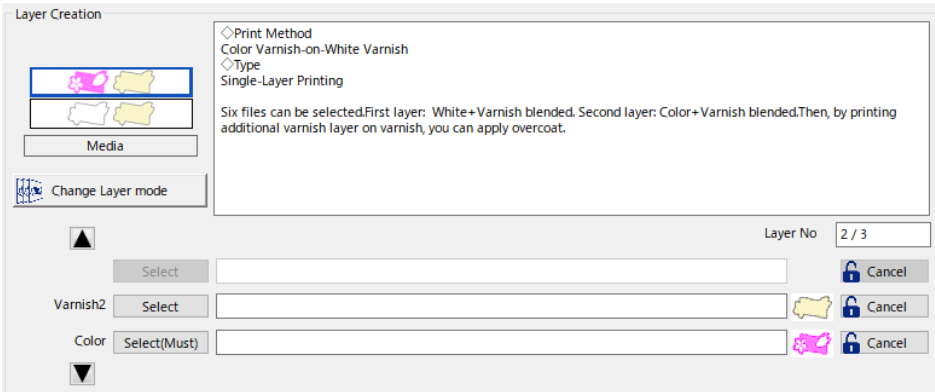
Color Varnish-on-White Varnish

Layer
No 1 / 2



[▲][▼]click

Layer
No 2 / 2



5.6.3. Multi-Layer Printing

XPJ-461UF XPJ-661UF VJ-426UF VJ-626UF

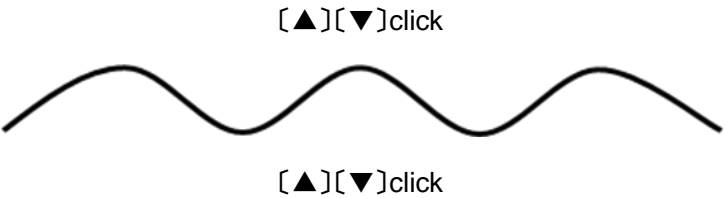
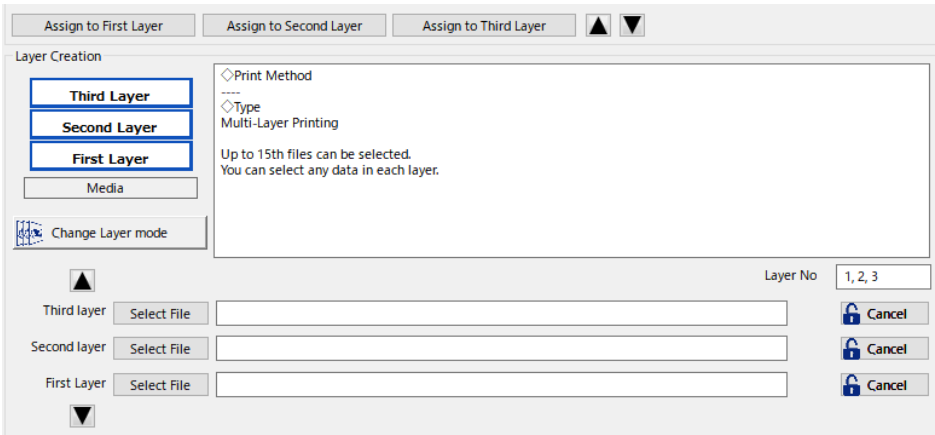
Prints the color mode files assigned to each layer field per layer. The next layer is printed on top of the last layer.

The selected layer number between 1 and 15 is displayed in Layer mode and Layer field.

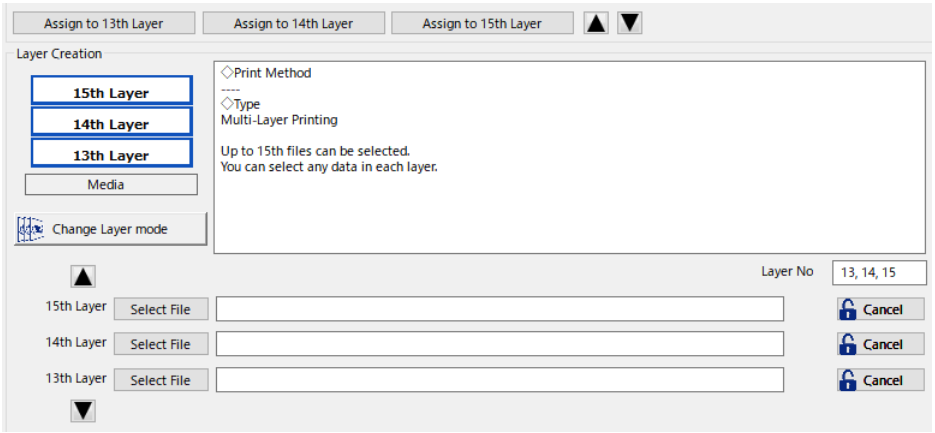
Displays [▲] [▼] arrows to switch the layer display by clicking the button

For details, see 5.12How to Perform Multi-Layer Printing for XPJ-461UF / XPJ-661UF / VJ-426UF / VJ-626UF.

Layer
No 1, 2, 3



Layer
No 13, 14, 15



5.6.4. Overcoat Printing

XPJ-461UF XPJ-661UF VJ-426UF VJ-626UF

Apply overcoat with varnish after the single layer printing.

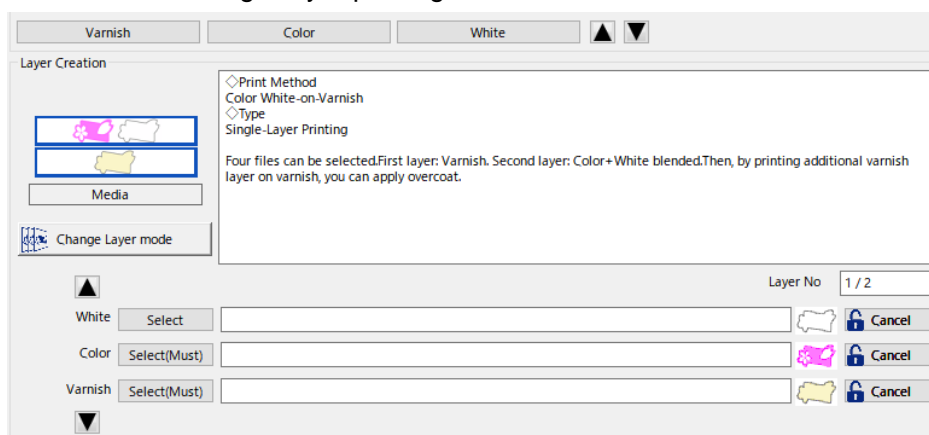
Varnish can be used in the last layer in Single layer printing.

Displays [▲] [▼] arrows to switch the layer display by clicking the button.

Color White-on-Varnish

Layer No 1 / 2

Print setting as same as normal single layer printing.

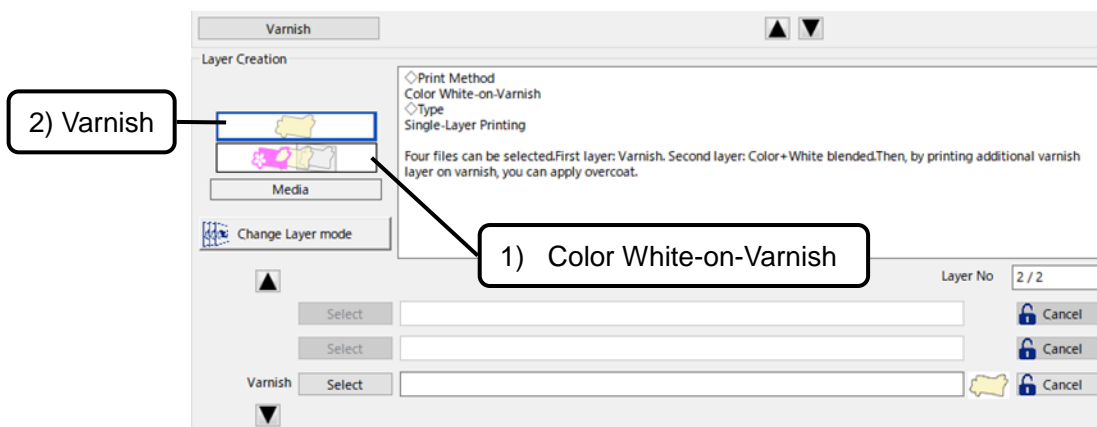


[▲][▼]click

Layer No 2 / 2

Displays the last layer dialog and select Varnish for overcoat printing.

In Layer mode, "Color White-on-Varnish" icon are displayed in No.1 and Varnish in No.2.

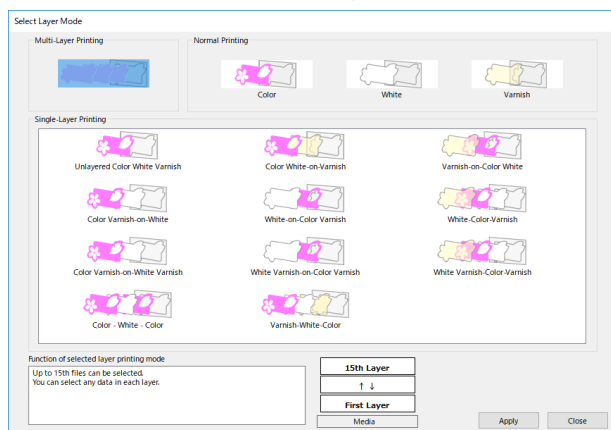


5.7. Layer mode for each printer model

5.7.1. XPJ-461UF / XPJ-661UF

Layer Mode	Layer Type
Multi Layer Printing	---
Normal Printing	Color White Varnish
Single Layer Printing	Single layer(Unlayered Color White Varnish) White Underlay(KCMYVV-on-WW) White Overlay(WW- on- KCMYVV) Varnish Underlay(KCMYWW-on-VV) Varnish Overlay(VV-on-KCMYWW) White Varnish Underlay(KCMYV-on-WWV) White Varnish Overlay(WWV-on-KCMYV) 3-layer (WW-KCMY -VV) 3-layer (WWV-KCMY-V) 3-layer (KCMY-WW-KCMY) 3-layer (VV-WW-KCMY)
Over Coat	---

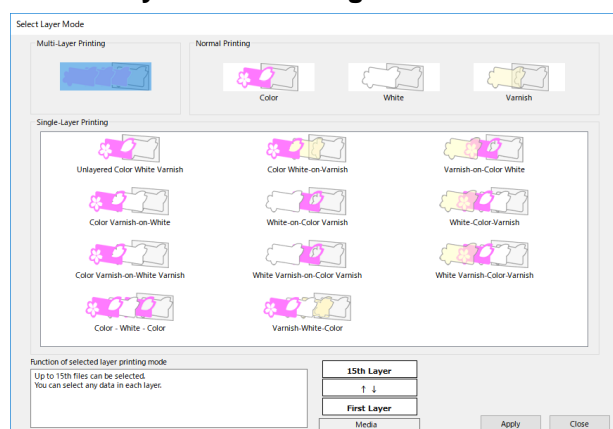
'Select Layer Mode' Dialog



5.7.2. VJ-426UF / VJ-626UF

Layer Mode	Layer Type
Multi Layer Printing	---
Normal Printing	Color White Varnish
Single Layer Printing	Single layer(Unlayered Color White Varnish) White Underlay(KCMYVV-on-WW) White Overlay(WW- on- KCMYVV) Varnish Underlay(KCMYWW-on-VV) Varnish Overlay(VV-on-KCMYWW) White Varnish Underlay(KCMYV-on-WWV) White Varnish Overlay(WWV-on-KCMYV) 3-layer (WW-KCMY -VV) 3-layer (WWV-KCMY-V) 3-layer (KCMY-WW-KCMY) 3-layer (VV-WW-KCMY)
Over Coat	---

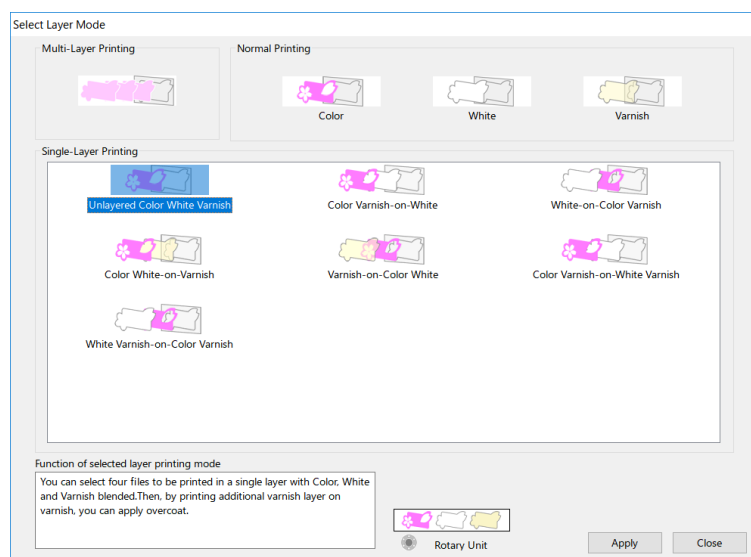
'Select Layer Mode' Dialog



5.7.3. XPJ-661UF / VJ-626UF Rotary Unit

Layer Mode	Layer Type
Multi Layer Printing	--
Normal Printing	Color White Varnish
Single Layer Printing	Single layer(Unlayered Color White Varnish) White Underlay(KCMYVV-on-WW) White Overlay(WW- on- KCMYVV) Varnish Underlay(KCMYWW-on-VV) Varnish Overlay(VV-on-KCMYWW) White Varnish Underlay(KCMYV-on-WWV) White Varnish Overlay(WWV-on-KCMYV)
Over Coat	--

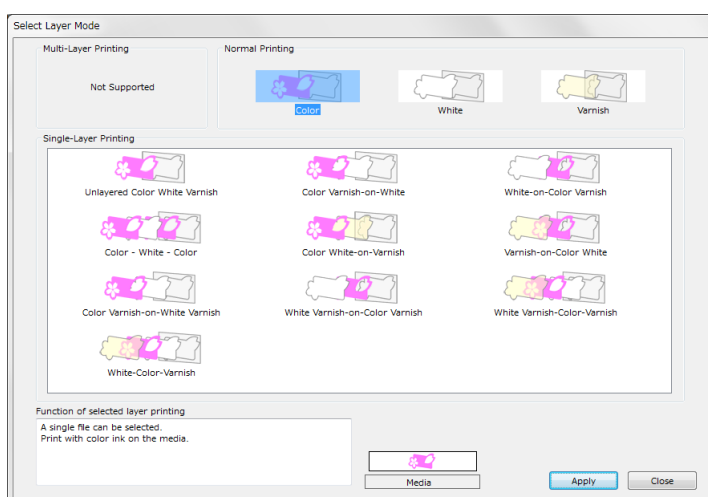
'Select Layer Mode' Dialog



5.7.4. VJ-1626UH

Layer Mode	Layer Type
Normal Printing	Color White Varnish
Single Layer Printing	Single layer(Unlayered Color White Varnish) White Underlay(KCMYVV-on-WW) White Overlay(WW- on- KCMYVV) Varnish Underlay(KCMYWW-on-VV) Varnish Overlay(VV-on-KCMYWW) White Varnish Underlay(KCMYV-on-WWV) White Varnish Overlay(WWV-on-KCMYV) 3-layer (KCMY-WW-KCMY) 3-layer (WWV-KCMY-V) 3-layer (WW-KCMY-VV)

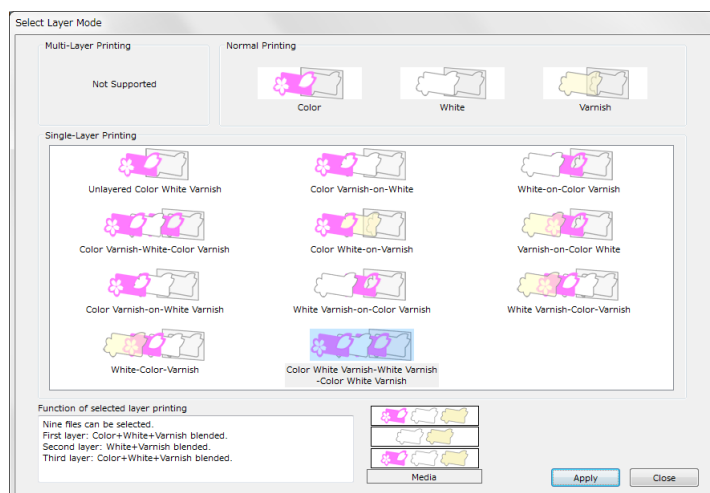
'Select Layer Mode' Dialog



5.7.5. VJ-1638UH

Layer Mode	Layer Type
Normal Printing	Color White Varnish
Single Layer Printing	Single layer(Unlayered Color White Varnish) White Underlay(KCMYVV-on-WW) White Overlay(WW- on- KCMYVV) Varnish Underlay(KCMYWW-on-VV) Varnish Overlay(VV-on-KCMYWW) White Varnish Underlay(KCMYV-on-WWV) White Varnish Overlay(WWV-on-KCMYV) 3-layer (WWV-KCMY-V) 3-layer (WW-KCMY-VV) 3-layer (KCMYVV-WW-KCMYVV) 3-layer (KCMYWV-WWV-KCMYWV)

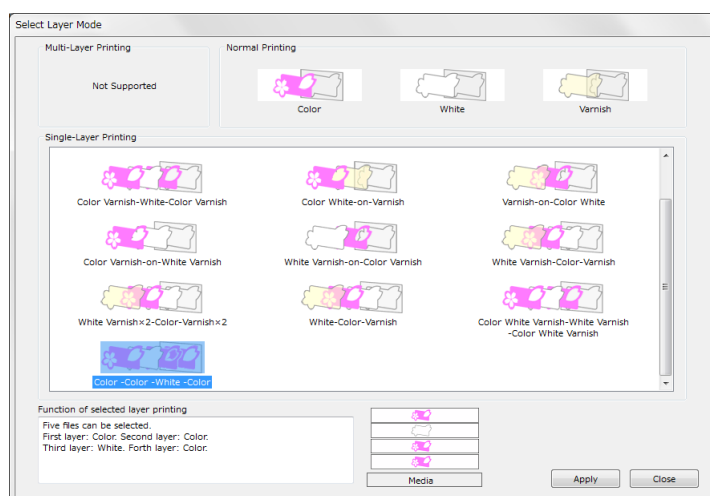
'Select Layer Mode' Dialog



5.7.6. VJ-1638UR

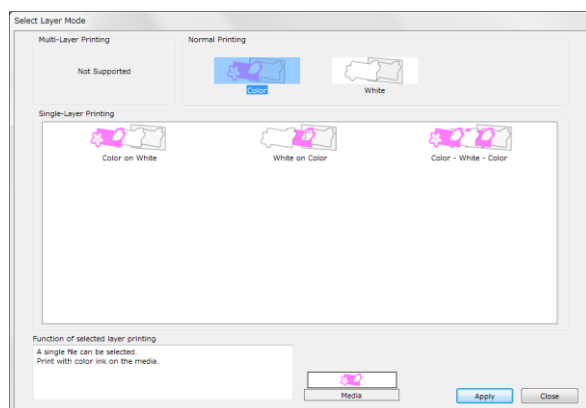
Layer Mode	Layer Type	6 colors (KCMYWV)	5 colors (KCMYV)
Normal Printing	Color	✓	✓
	White	✓	Unavailable
	Varnish	✓	✓
Single Layer Printing	Single layer(Unlayered Color White Varnish)	✓	✓
	White Underlay(KCMYVV-on-WW)	✓	Unavailable
	White Overlay(WW- on- KCMYVV)	✓	Unavailable
	Varnish Underlay(KCMYWW-on-VV)	✓	✓
	Varnish Overlay(VV-on-KCMYWW)	✓	✓
	White Varnish Underlay(KCMYV-on-WWV)	✓	✓
	White Varnish Overlay(WWV-on-KCMYV)	✓	✓
	3-layer (WWV-KCMY-V)	✓	✓
	3-layer (WWVV-KCMY -VV)	✓	✓
	3-layer (WW-KCMY -VV)	✓	Unavailable
	3-layer (KCMYVV-WW-KCMYVV)	✓	Unavailable
	3-layer (KCMYWV-WWV-KCMYWV)	✓	✓
	4-layer (KCMY-KCMY-WW-KCMY)	✓	Unavailable

‘Select Layer Mode’ Dialog



5.7.7. VJ-1617H / VJ-1627MH

Layer Mode	Layer Type
Normal Printing	Color
	White
Single Layer Printing	Underlay (Color-on-White)
	Overlay (White-on-Color)
	3-layer (Color-White-Color)

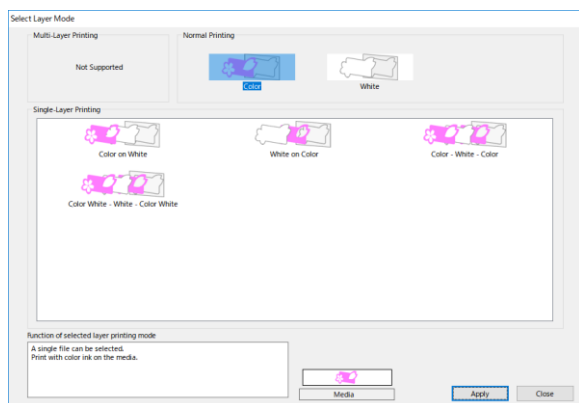
‘Select Layer Mode’ Dialog

5.7.8. VJ-628MP

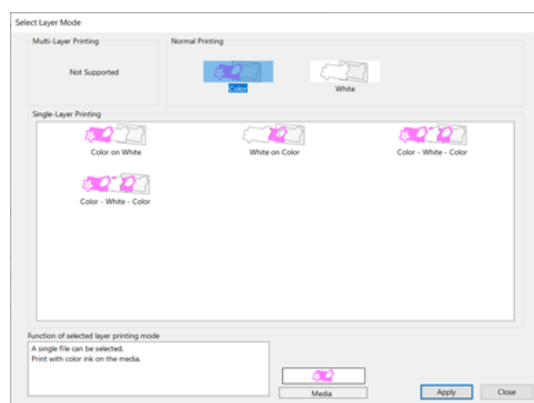
Layer Mode	Layer Type	5 colors (KCMYW)	7 colors (KCMYLcLmW) ※VJ-628MP	8 colors (KCMYLcLmLkW)
Normal Printing	Color	✓	✓	✓
	White	✓	✓	✓
Single Layer Printing	Underlay (Color-on-White)	✓	✓	✓
	Overlay (White-on-Color)	✓	✓	✓
	3-layer (Color-White-Color)	✓	✓	✓
	3-layer (KCMYW-WW-KCMYW)	✓	Unavailable	Unavailable
	3-layer (KCMYLcLm-W-KCMYLcLm)	Unavailable	✓	Unavailable
	3-layer (KCMYLcLmLk-W-KCMYLcLmLk)	Unavailable	Unavailable	✓

‘Select Layer Mode’ Dialog

5 colors



7 colors / 8 colors

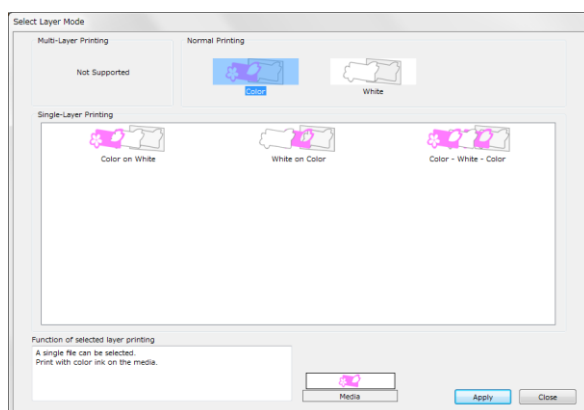


5.7.9. VJ-628X / VJ-1628X

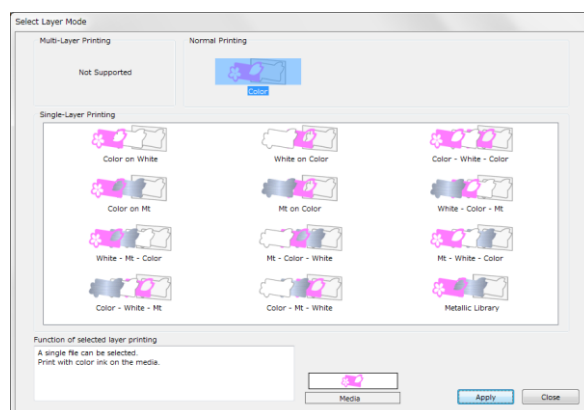
Layer Mode	Layer Type	7 colors (KCMYLCmWt)	8 colors (KCMYLCmWtMt)
Normal Printing	Color	✓	✓
	White	✓	Unavailable
Single Layer Printing	Underlay (Color-on-White)	✓	✓
	Overlay (White-on-Color)	✓	✓
	Underlay (Color-on-Mt)	Unavailable	✓
	Overlay (Mt-on-Color)	Unavailable	✓
	3-layer (Color-White-Color)	✓	✓
	3-layer (White-Color-Mt)	Unavailable	✓
	3-layer (White-Mt-Color)	Unavailable	✓
	3-layer (Mt-Color-White)	Unavailable	✓
	3-layer (Mt-White-Color)	Unavailable	✓
	3-layer (Color-White-Mt)	Unavailable	✓
	3-layer (Color-Mt-White)	Unavailable	✓
	Mutoh Metallic Library	Unavailable	✓

‘Select Layer Mode’ Dialog

VJ-628X (7-color) / 1628X (7-color)

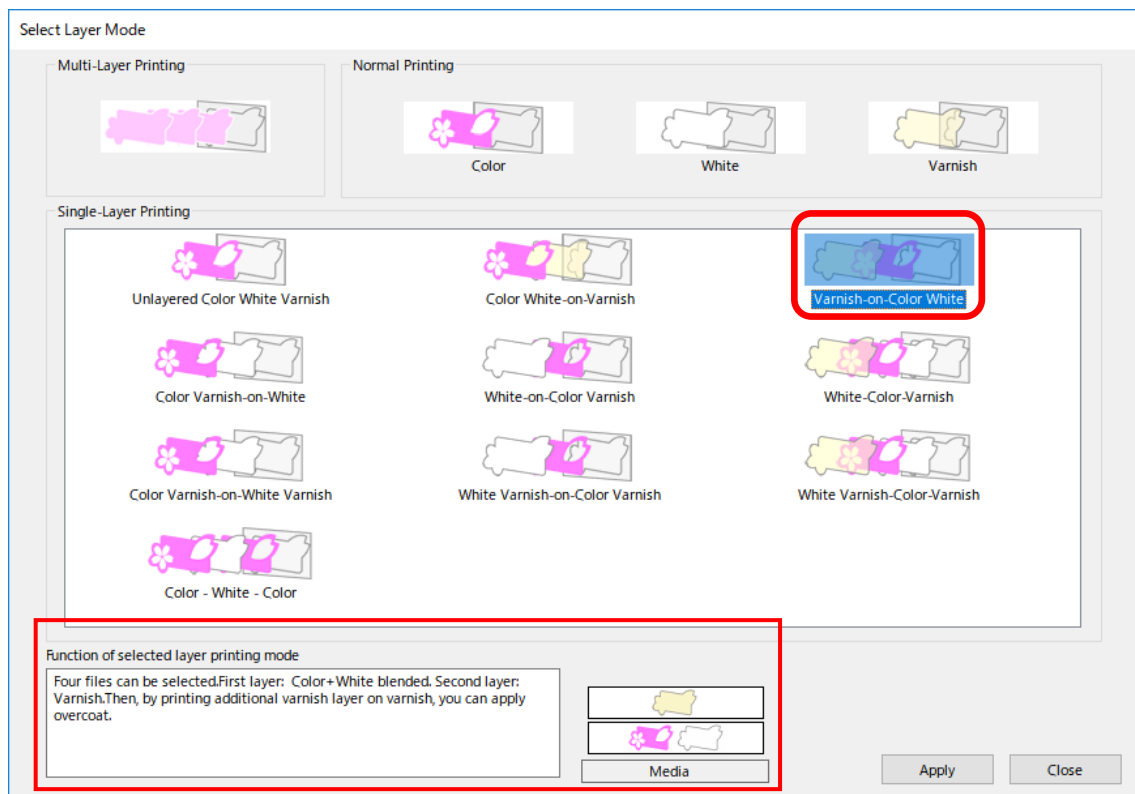


VJ-628X (8-color) / 1628X (8-color)



Select the layer type you want to use.

The Function of selected layer printing field explains the layer structure of your selected layer type.



Click **Apply**.



5.8. Select Print File

After selecting the layer mode, you will assign a print file to the appropriate layer.

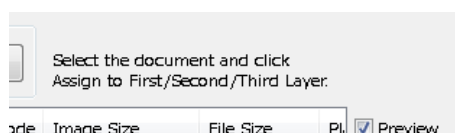
The color mode of each file is also displayed in the Print Data List. Using these indications, assign the appropriate file to each layer field.

Document Name	Data Created	Color Mode	Print Mode	Dot Type	Edit	Image Size (mm)	File Size
White	2019/05/09 15:21	White*	Line	Variable	OK	297.0x210.0	1,063.5 KB
Varnish	2019/05/09 15:21	Varnish*	Line	Variable	OK	297.0x210.0	1,179.7 KB
Color	2019/05/09 15:21	Color	Line	Variable	OK	297.0x210.0	49,087.0 KB

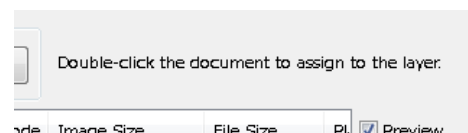
Color Mode

Depending on the layer mode you selected, there are two ways to assign a file to each layer field. The instruction of the appropriate method will be displayed in the upper right of the Print Data List.

Standard Method

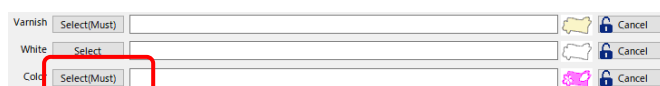


Double-click

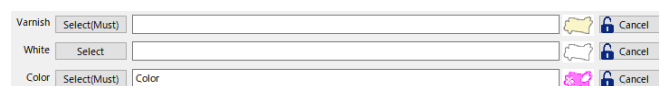


Standard Method

Click on the appropriate file in the Print Data List, and then click Select File in the layer field that you want to assign it to.



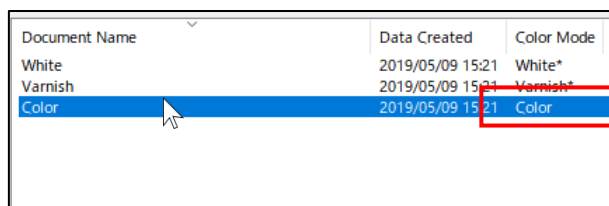
1). Click **Select File** of the color layer field.



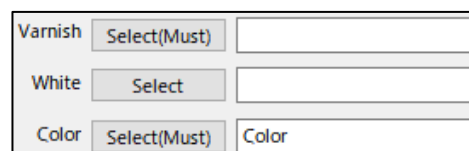
2). The selected file is now assigned to the color layer field.

Double-click

In addition to the standard method, when the double-clicking instruction appears, you can also double click the file in the Print Data List so that it will be automatically assigned to the appropriate layer field.



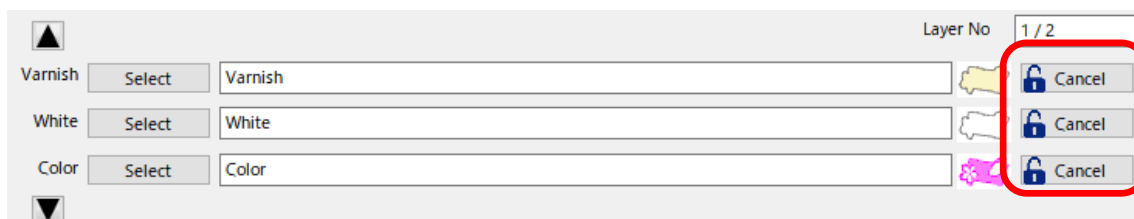
1) Double click the color file.



2) The color file is automatically assigned to the color layer field.

Use either available way to assign the file.

To cancel the file being assigned, click **Cancel**.



The screenshot shows the MUTOH Layer Editor interface for a single layer (Layer No 1/2). It features three rows for assigning files: Varnish, White, and Color. Each row has a 'Select' button and a 'Cancel' button. The 'Cancel' buttons are highlighted with a red rectangle.

Normal Printing

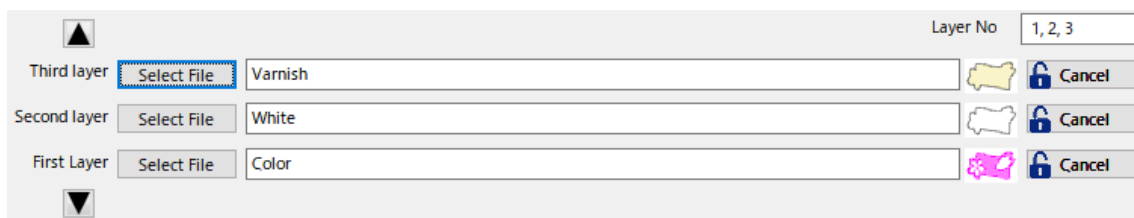
Assign one color mode file to an appropriate layer.



The screenshot shows the MUTOH Layer Editor interface for three layers. The first two layers have 'Select File' buttons and 'Cancel' buttons. The third layer has a 'Select File' button, a text field containing 'Color', a color mode icon, and a 'Cancel' button.

Multi-Layer Printing (XPJ-461UF / XPJ-661UF / VJ-426UF / VJ-626UF)

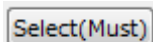
There is no specific color mode restriction. You can assign up to 15 files to any layers you want.



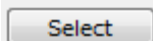
The screenshot shows the MUTOH Layer Editor interface for three layers (Third layer, Second layer, First Layer). Each layer has a 'Select File' button and a 'Cancel' button. The 'Select File' button for the Third layer is highlighted with a blue dashed border.

Single-Layer Printing

In single-layer printing, 'Select (Must)' or 'Select' button appears in the file selection field.



When the 'Select (Must)' button appears, you must assign an appropriate color mode file to the layer.

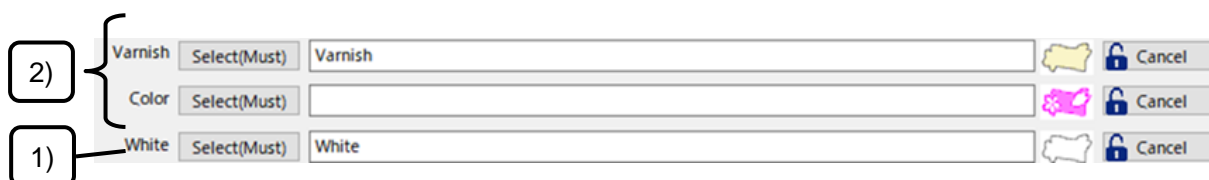


When the 'Select' button appears, you do not have to assign a file to the layer if the following conditions are met,

In the following cases, you can perform layer printing if at least two color mode files are assigned to each appropriate layer.

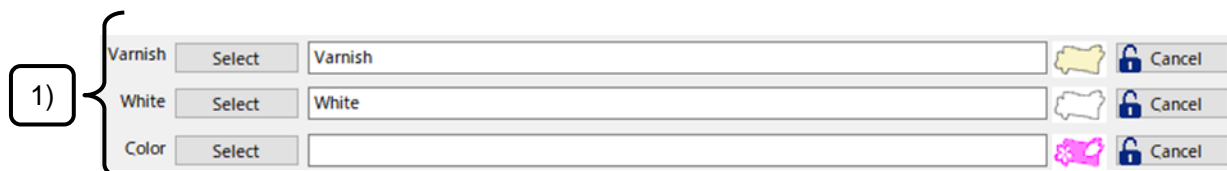
- **Color Varnish-on-White**

- 1) A white file must be assigned to the white layer.
- 2) If you assign either color or varnish file, you can perform layer printing.



- **Unlayered Color White Varnish**

- 1) The 'Select' button appears to each layer. Assign at least two color mode files to the appropriate layers.



If you are using VJ-628X in 8-color configuration or VJ-1628X in 8-color configuration, you can omit assigning a mask data file.

- **Mask data file for metallic emphasis**

- 1) Assign a color and metallic files to the appropriate layers where the 'Select (Must)' buttons appear.
- 2) You can omit a mask data file for the metallic emphasis. Depending on your application, assign a mask data file.



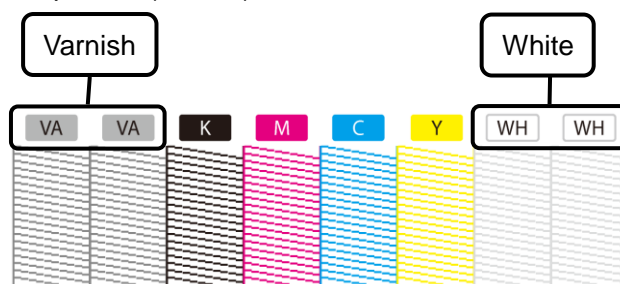
The method to assign white or varnish file to layer varies depending on the printer model.

Assign White/Varnish File (XPJ-461UF / XPJ-661UF / VJ-426UF / VJ-626UF)

Assign one white or varnish file to the appropriate layer. These files are copied and applied to two white or varnish nozzles.

Varnish	Select(Must)	Varnish			Cancel
Color	Select(Must)				Cancel
White	Select(Must)	White			Cancel

Example) Nozzle check pattern (6-color)



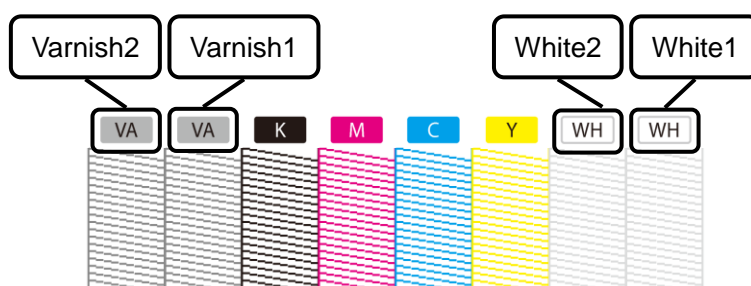
Assign White/Varnish File (VJ-1626UH/VJ-1638UH / VJ-1638UR / VJ-426UF / VJ-626UF)

Assign two white or varnish files to the appropriate layer. The assigned files are applied to each white or varnish nozzle. The nozzle number appears on the left side of the Select button.

Select	
White2	Select white.jpeg
White1	Select(Must) white.jpeg

Varnish2	Select	varnish.jpeg
Varnish1	Select	varnish.jpeg
Color	Select	

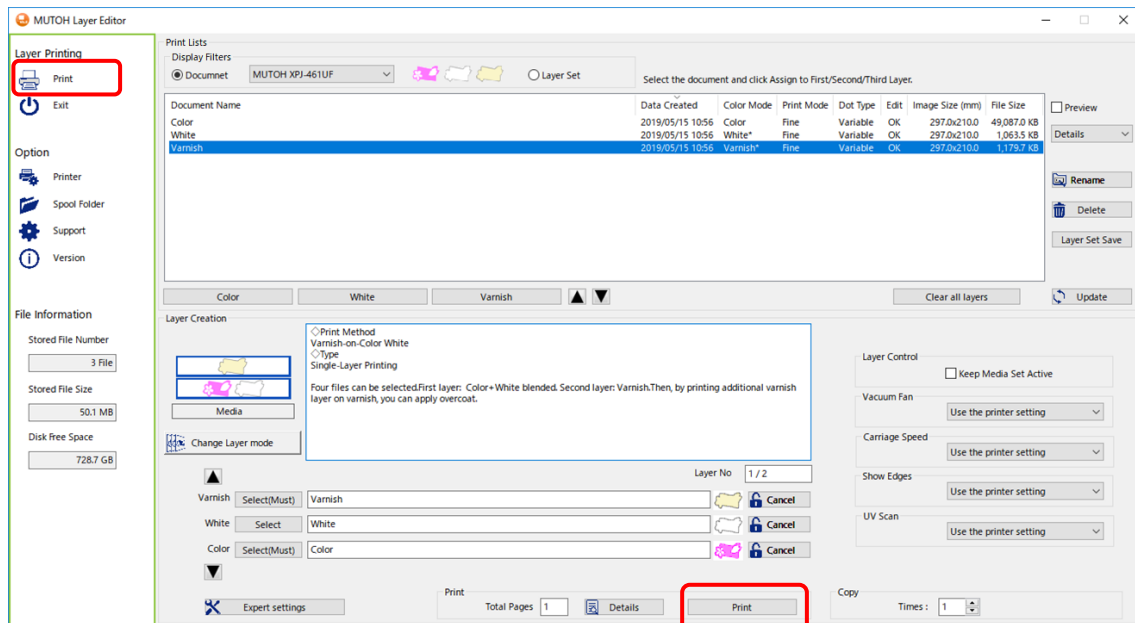
Example) Nozzle check pattern (6-color)



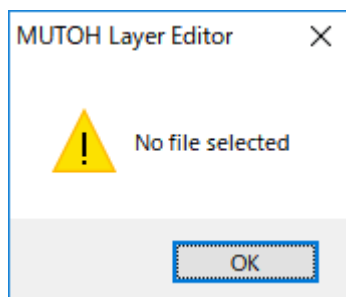
NOTE

If you assign the same file to White1 and White2 or Varnish1 and Varnish2, the white or varnish ink density will double.

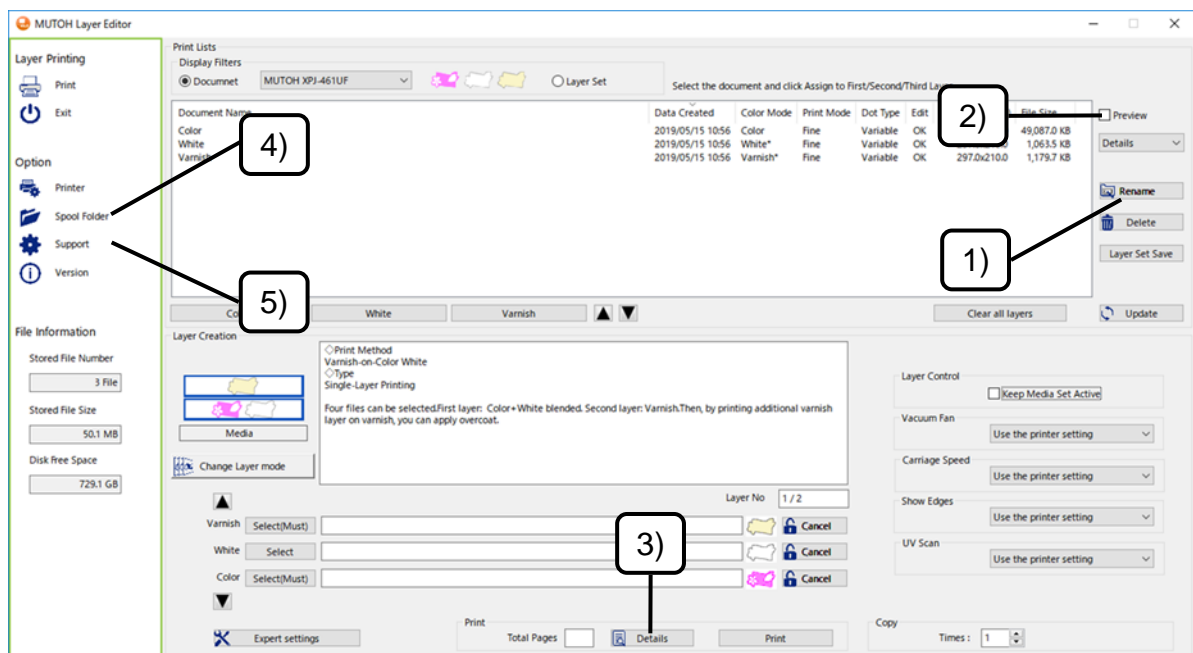
After assigning files to the valid layer fields, click **Print** to start the print job.



The error message below will appear on the screen if the Print button is clicked without selecting any files or necessary color mode files.



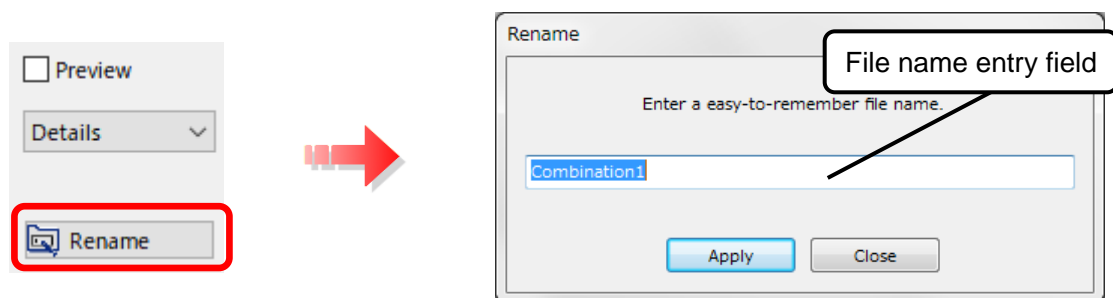
5.9. Buttons



5.9.1. 1) Rename

Displays the Rename dialog to rename the print data on the list.

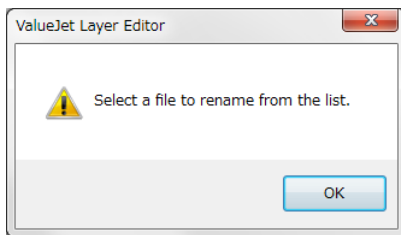
Select the print data from the list and enter a new file name.



Step. 1 Select the print data you want to rename from the list. You can select multiple files at once to rename the same file name.

Document Name	Data Created	Color Mode
Amsterdam	2018/09/20 08:49	Color#
Sample_Font1	2018/09/20 08:49	White#
Sample_Font2	2018/09/20 08:49	Metallic
Sample_Font2	2018/09/20 08:49	Maskdata

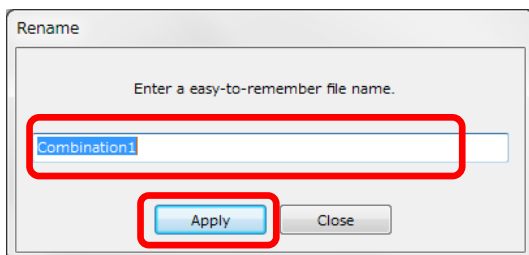
If the print file is not selected, the following message appears.



Step. 2 Click **Rename**.

Document Name	Data Created	Color Mode	Print Mode	Dot Type	Edit	Image Size (mm)	File Size	
Amsterdam	2018/09/20 08:49	Color#	Fine	Variable	OK	297.0x210.0	20,334.2 KB	<input type="checkbox"/> Preview
Sample_Font1	2018/09/20 08:49	White#	Fine	Variable	OK	297.0x210.0	218.8 KB	Details ▾
Sample_Font2	2018/09/20 08:49	Metallic	Fine	Variable	OK	297.0x210.0	189.0 KB	
Sample_Font2	2018/09/20 08:49	Maskdata	Fine	Variable	OK	297.0x210.0	189.0 KB	Rename

Step. 3 The following dialog appears. Enter your desired file name and click **Apply**.



Step. 4 The file name will be changed on the list.

Document Name	Data Created	Color Mode	Print Mode	Dot Type	Edit	Image Size (mm)	File Size
Combination1	2018/09/20 08:49	Color#	Fine	Variable	OK	297.0x210.0	20,334.2 KB
Combination1	2018/09/20 08:49	White#	Fine	Variable	OK	297.0x210.0	218.8 KB
Sample_Font2	2018/09/20 08:49	Metallic	Fine	Variable	OK	297.0x210.0	189.0 KB
Sample_Font2	2018/09/20 08:49	Maskdata	Fine	Variable	OK	297.0x210.0	189.0 KB

NOTE

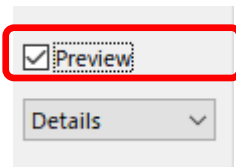
This function is valid for the file already assigned to layer.

5.9.2. 2) Image Preview

Displays the Preview window to show each image preview and its comment.

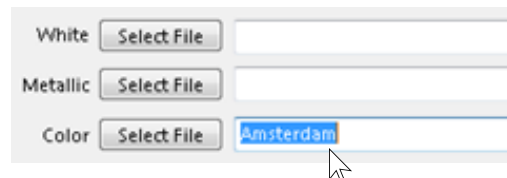
To display the image preview, check **Preview** and click on the file in the list or click on the file assigned to each layer.

Click on the file in the Print Data List.

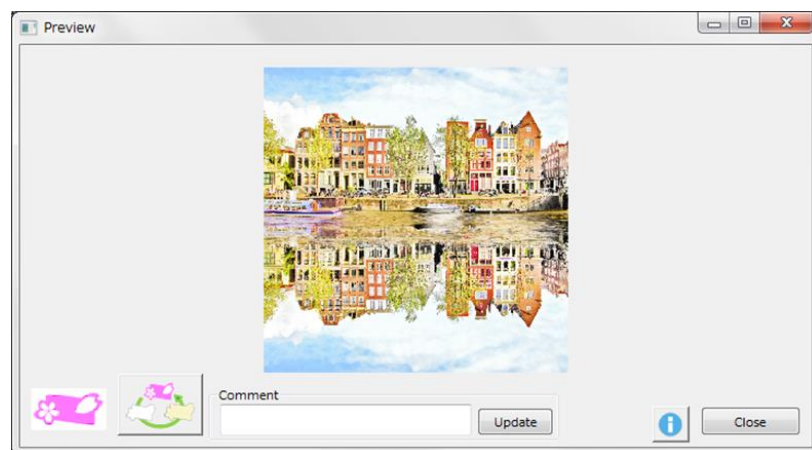


Document Name	Data Created	Color Mode	Print
Sample_Font2	2015/11/16 11:00	Metallic	Fine
Sample_Font2	2015/11/16 10:59	Maskdata	Fine
Sample_Font1	2015/11/16 10:35	White*	Fine
Amsterdam	2015/11/13 13:10	Color*	Fine

Or click on the file assigned to each layer.



The image preview of the selected file is displayed.



In this image preview, white, varnish or metallic file is normally displayed with black color as shown below.

For white or varnish file with 'High-density' setting, the preview shows it with different color.

White, Varnish or Metallic file without
'High-density' setting



White file with 'High-density' setting



Varnish file with 'High-density' setting

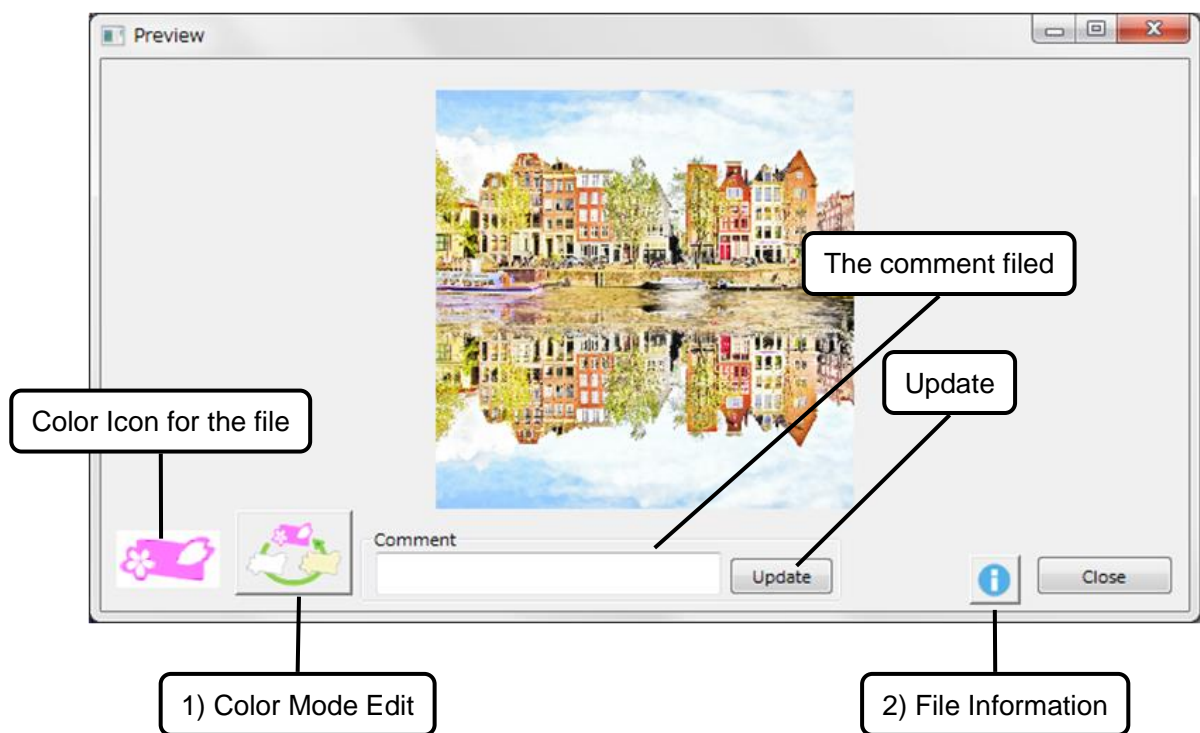


You can enter your comment in the field and click **Update** to save it.

The color of the file is displayed with an icon.

To open the Color Mode Edit dialog or the File Information dialog, click the icon shown below.

Image Preview



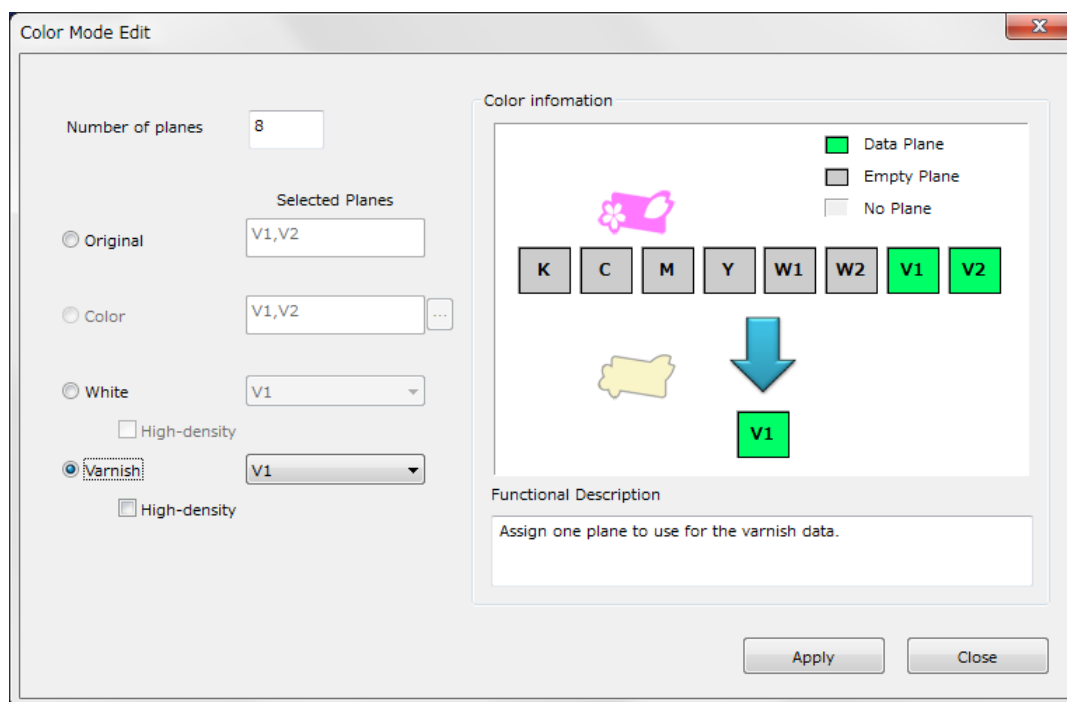
NOTE

If the file size is over 2GB, the image preview will be partially displayed.

1) Color Mode Edit

The Color Mode Edit dialog appears by clicking the Color Mode Edit icon.

You can change color mode or assign ink plane.

Color Mode Edit dialog

With the Color Mode Edit function, you can assign any file to your preferred layer by changing its color mode. New color mode of the file will appear on the print data list after the color mode change.

Before editing:

Color Mode:Color

Document Name	Data Created	Color Mode
sample.jpeg	2016/05/09 14:38	Color



After editing:

Color Mode: White

Document Name	Data Created	Color Mode
sample.jpeg	2016/05/09 14:38	White

For the procedures of color mode editing, see 'MUTOH Layer Editor How to Edit Color Mode on Print File'. This document is available from following folders:

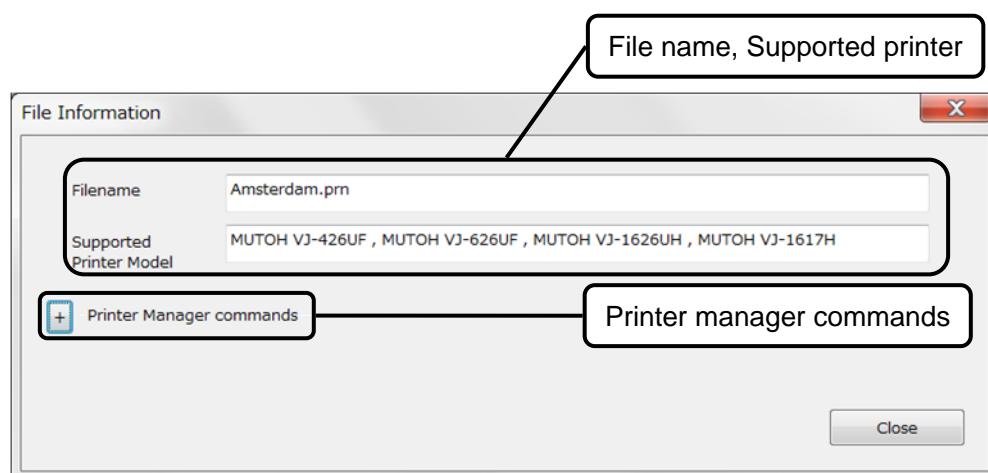
CDROM Manual¥MUTOH¥MLEE-B-01.pdf

Installer ¥MLEE-B-01.pdf

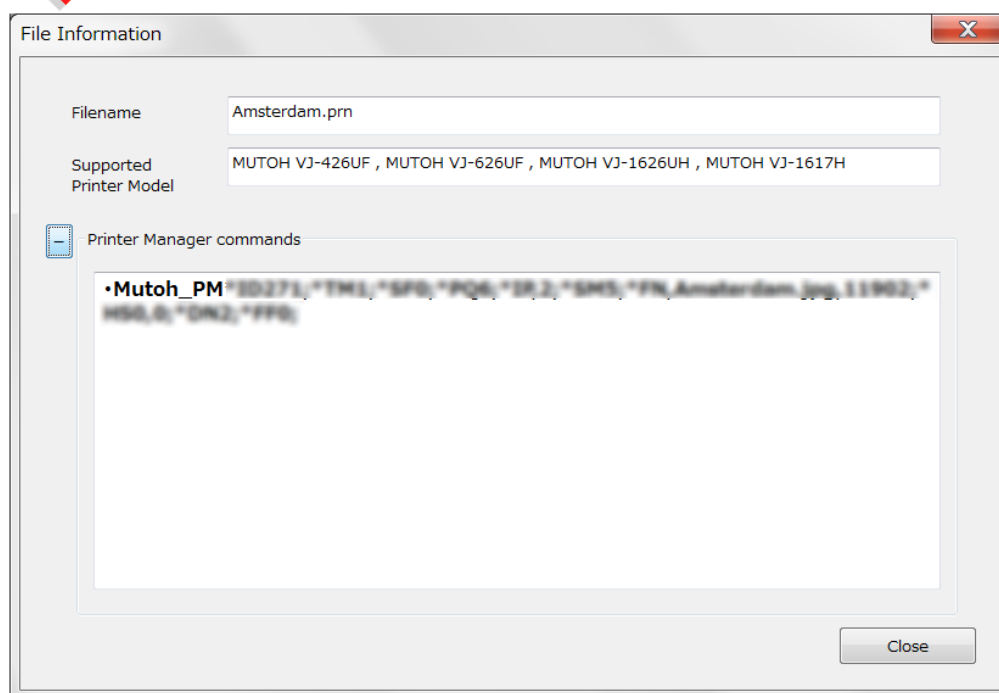
2) File Information

This menu displays the file name and the supported printer of the file displayed in the image preview. You can also check the printer manager commands applied to the file.

File Information dialog



Click '+' or '-' to open/close the printer manager commands box.



5.9.3. 3) Details

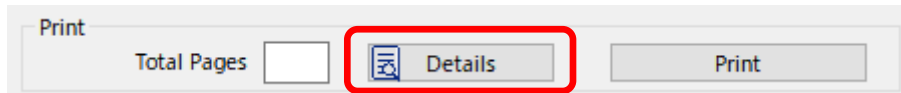
The Details and Additional Setting menu appears by clicking **Details**.

Click each image preview to check the assigned file information.

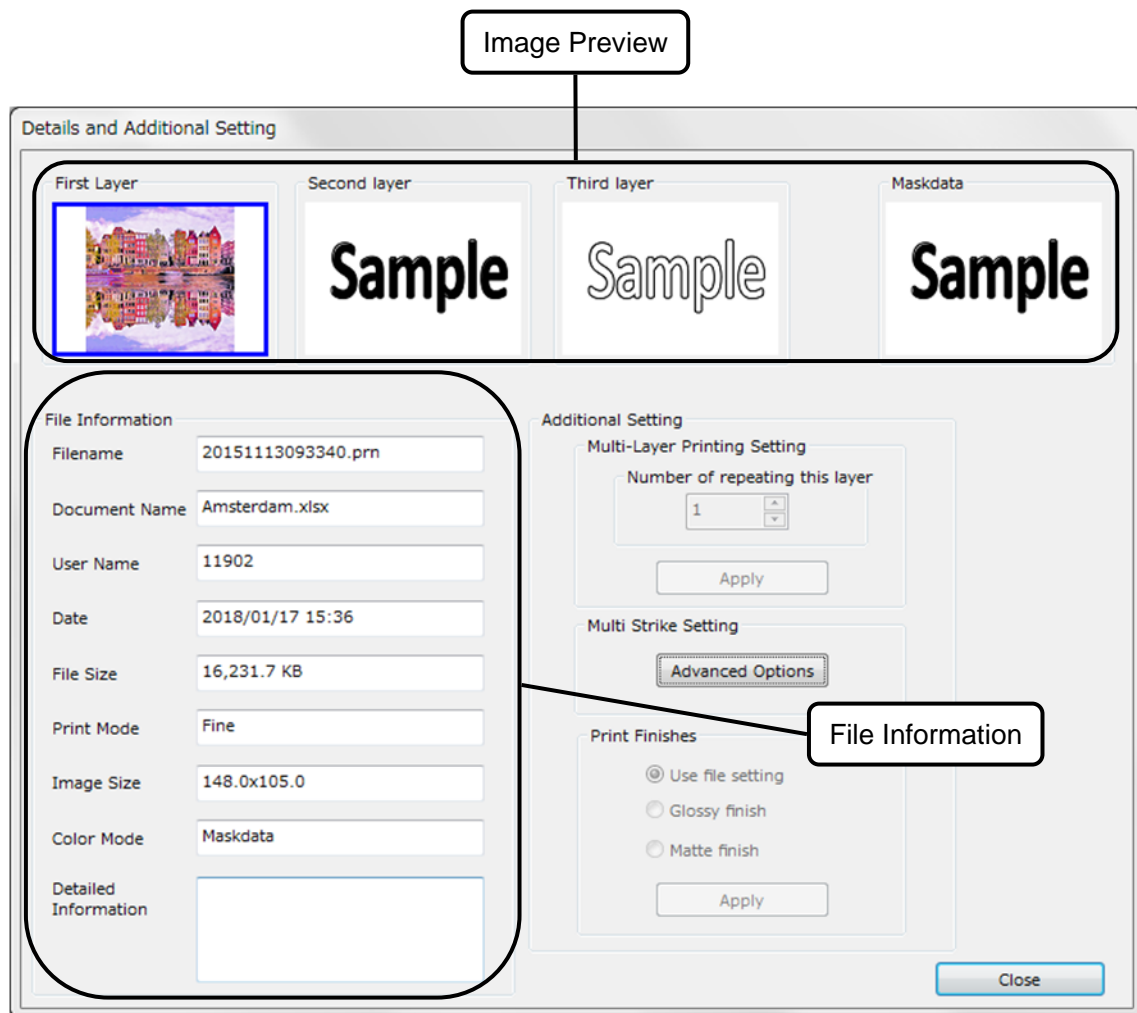
In Additional Setting, specify the Multi-Layer Printing or Multi Strike setting.

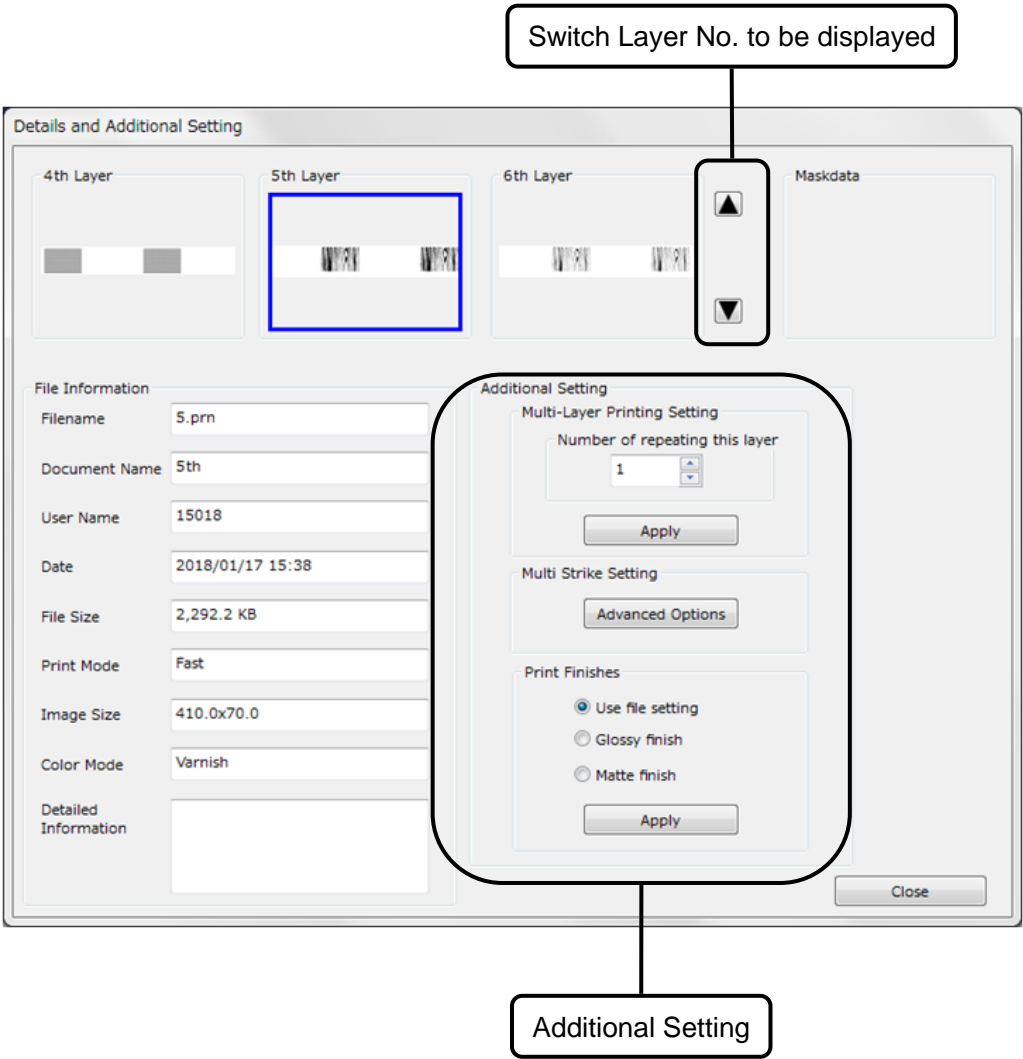
For more details, see 6.How to Create Finishing Effects

or 7.13 Multi Strike Setting.



The Details and Additional Setting menu





5.9.4. 4) Spool Folder dialog

Displays the Spool Folder dialog.

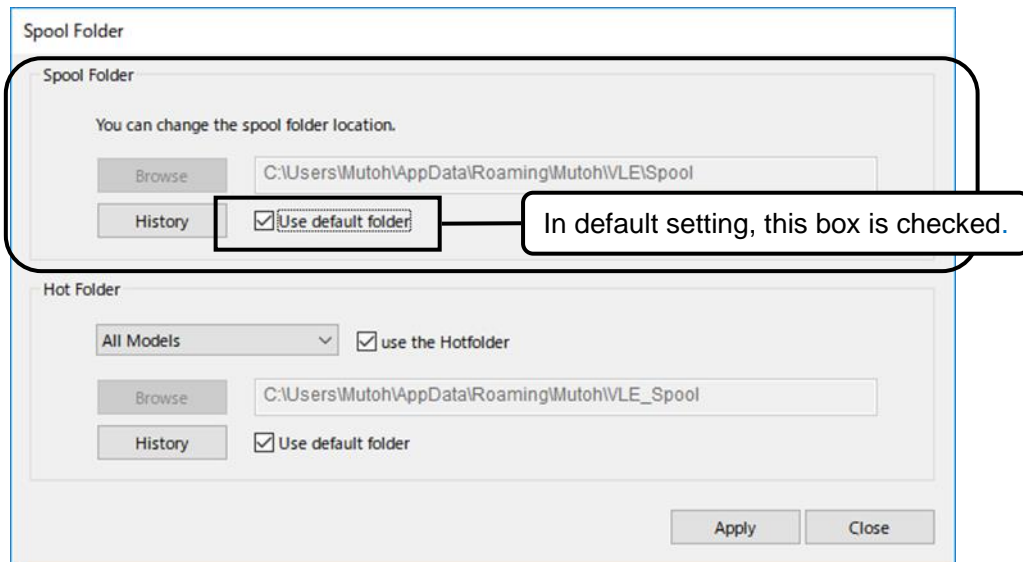
Spool Folder

In the upper part of this dialog, the spool folder path is displayed. This folder stores the files listed in the Print Data List.

When you install Layer Editor, the following default folder is specified.

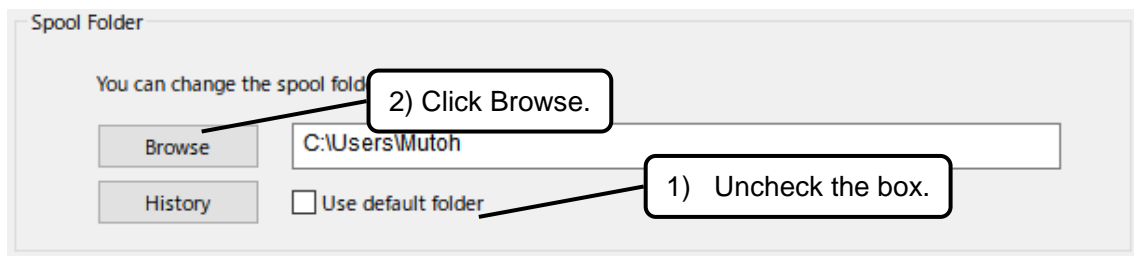
Default Folder	%Users****\AppData\Roaming\Mutoh\VLE\Spool
----------------	---

Spool Folder in the Spool Folder dialog

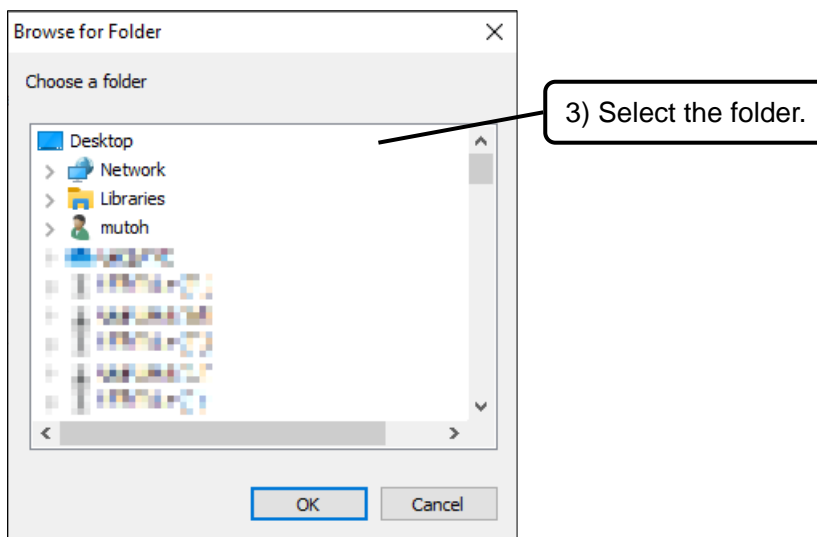


To change the location of the spool folder,

- 1) Uncheck 'Use default folder'.
- 2) Click **Browse**.
- 3) Browse for Folder dialog will appear. Select the folder you want to use.



Browse for Folder dialog



NOTE

Windows Explorer does not display the default spool folder location (under environment variables AppData).

If you stored the necessary file in the default location, check **Use default folder** to use the file.

Hot Folder for Print File

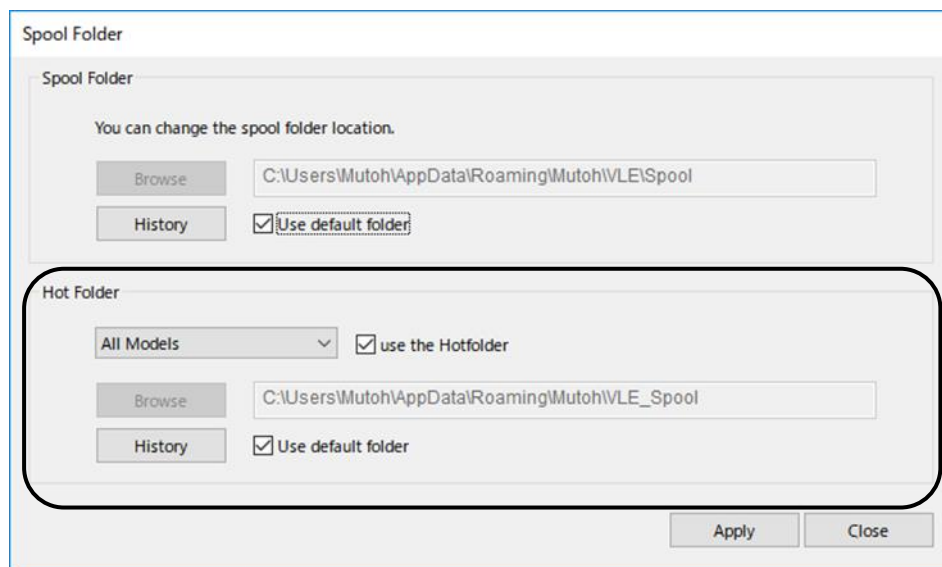
In the lower part of this dialog, the hot folder path is displayed.

The file stored in the hot folder is automatically spooled to the spool folder of Layer Editor.

With this function, you can store your print file in any local drive.

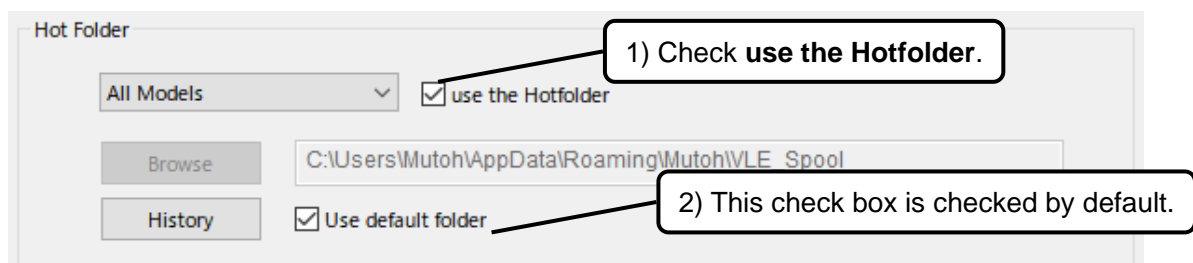
Default Folder	C:\Users****\AppData\Roaming\Mutoh\VLE_Spool
----------------	---

Hot Folder in the Spool Folder dialog



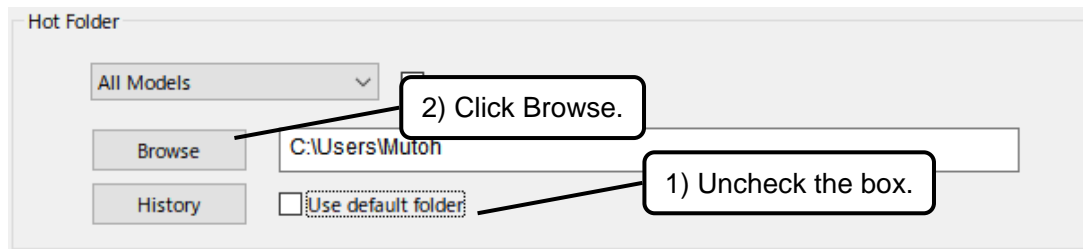
The hot folder function is not available by default. To enable it:

- 1) Check **use the Hotfolder**.
- 2) Specify the location of the hot folder. **Use default folder** is checked by default.

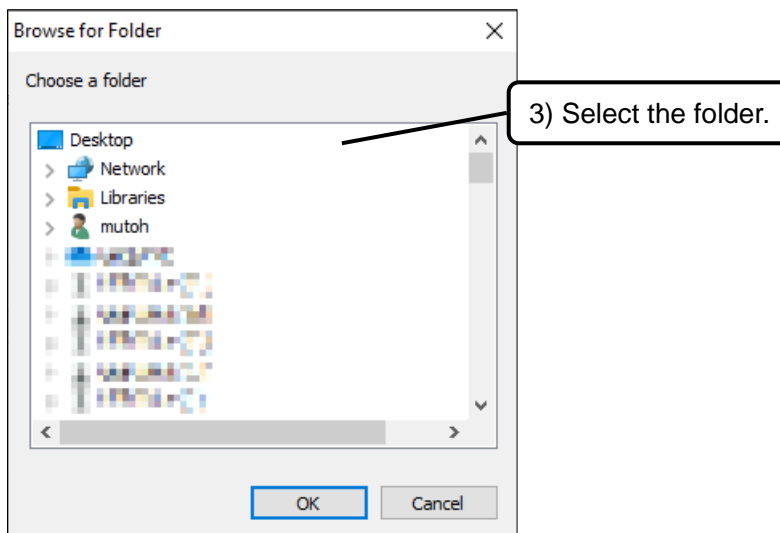


To change the location of the hot folder,

- 1) Uncheck 'Use default folder'.
- 2) Click **Browse**.
- 3) Browse for Folder dialog will appear. Select the folder you want to use.



Browse for Folder dialog



NOTE

When importing the print file via hot folder, make sure that there is enough space left in your hard drive and note the following points:

- If the hot folder and spool folder are stored in the different hard drive, all file in the hot folder will be copied to the spool folder and these files may exceed the capacity of the hard drive for the spool folder.
- If the dot type of the imported print file is not specified as variable dot, Layer Editor will automatically convert it into variable dot on every startup. If so, the file size will double.
- If a long data is printed from RIP, your PC may become unstable due to processing a huge data. Make sure to keep the printing data less than 30m.

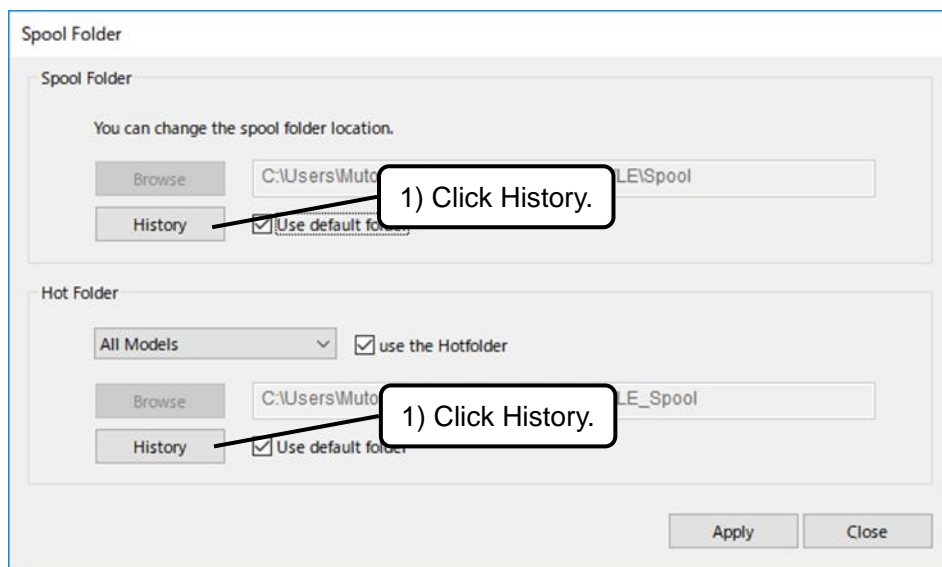
History of Spool Folder Path / Hot Folder Path

The folder path is automatically saved when you change the location of folder.

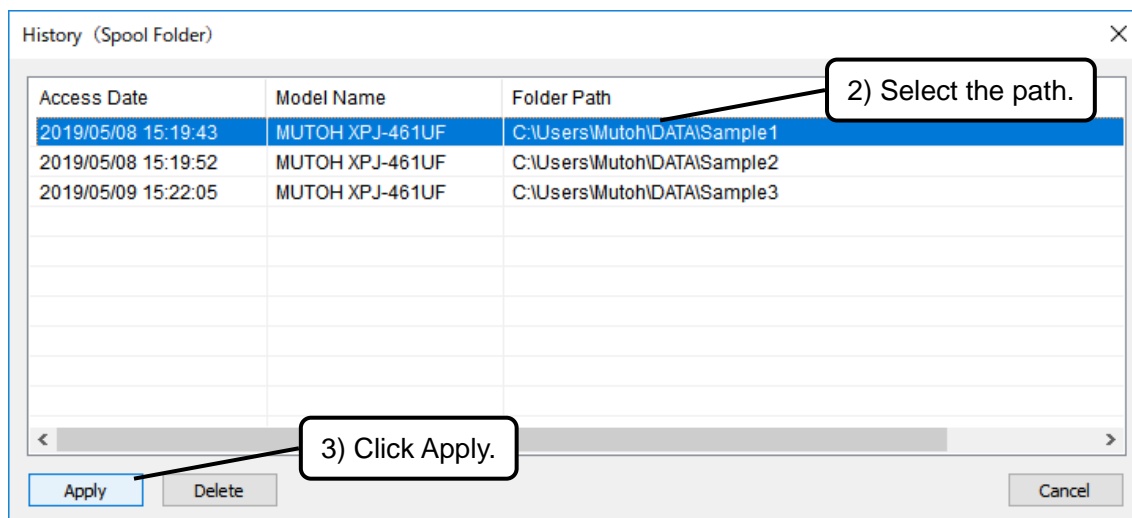
To use the previous path,

- 1) Click **History**.
- 2) The History dialog will appear. Select the path from the list.
- 3) Click **Apply**. To delete the unwanted path from the list, select the path and click **Delete**.

Spool Folder dialog



History dialog



5.9.5. 5) Support

Displays the Support dialog.

Dump Option Setting

The Dump Options is displayed in the upper part of this dialog.

When you check Dump, the dump for the next print job is saved in the file.

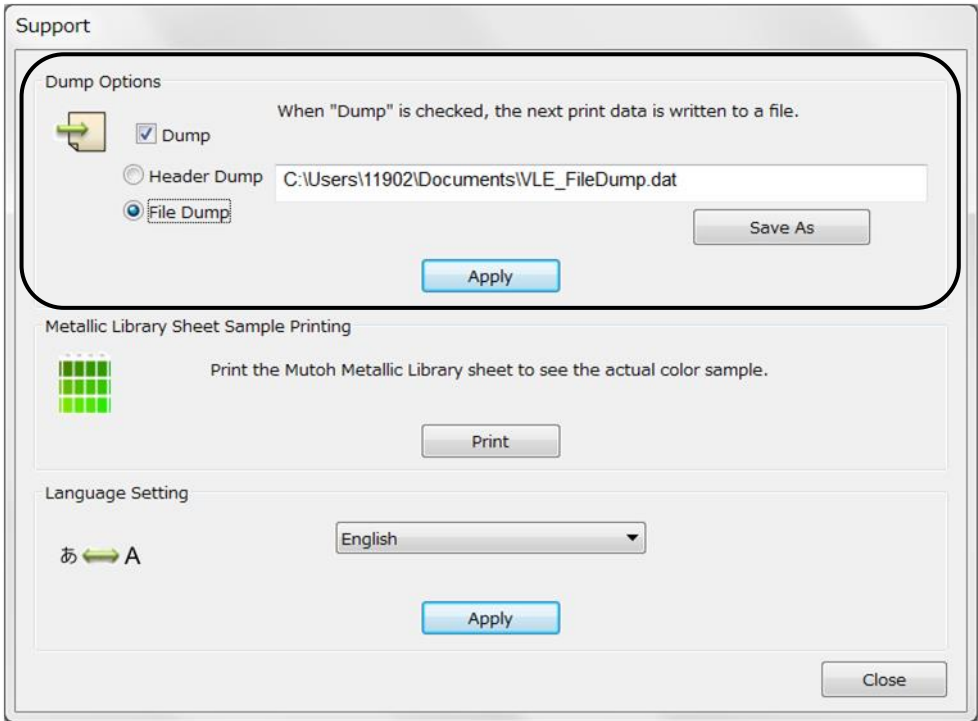
In the default setting, the dump is saved in the following folder with the default file name.

Default Folder	%Users****\Documents
Default File Name	VLE_FileDump.dat

You can choose Header Dump or File Dump.

Header Dump	Write the header dump (command line) of the print data to the file.
File Dump	Write the dump of print data to the file.

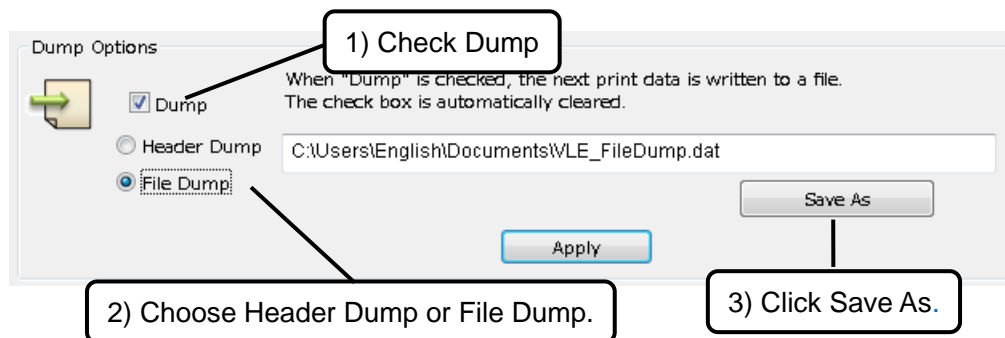
Dump Options in the Support dialog



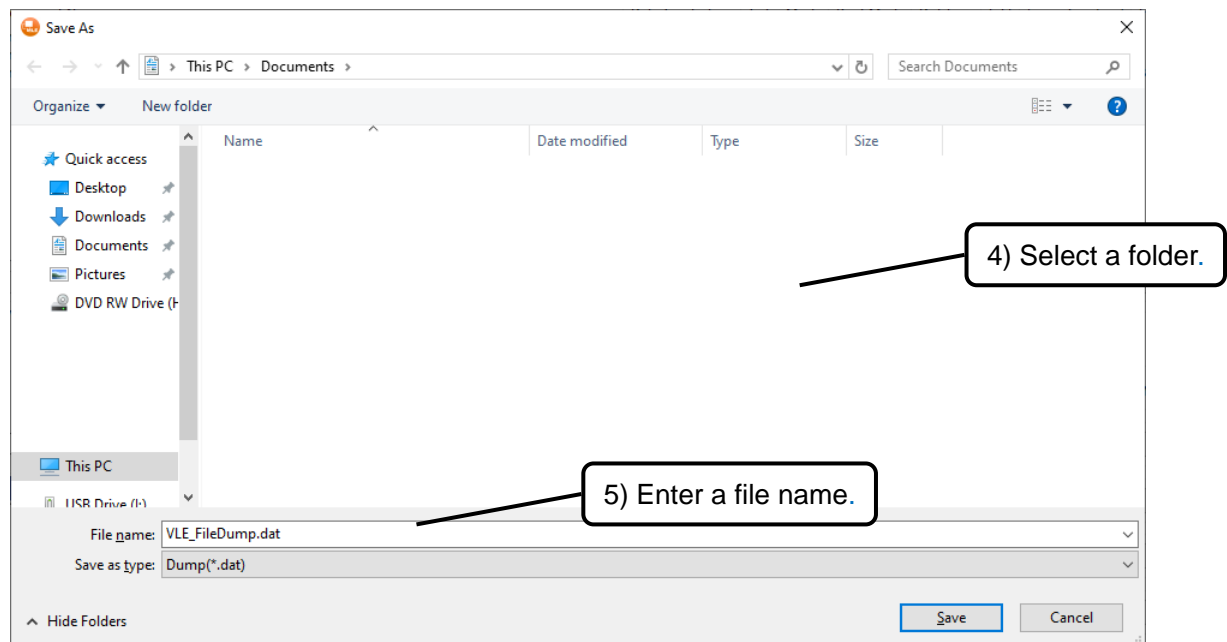
To rename the file,

- 1) Check **Dump**.
- 2) Choose Header Dump or File Dump.
- 3) Click **Save As**.
- 4) The Save As dialog will appear. Select the folder to save.
- 5) Enter a file name and click **Save**.

Dump Options Setting



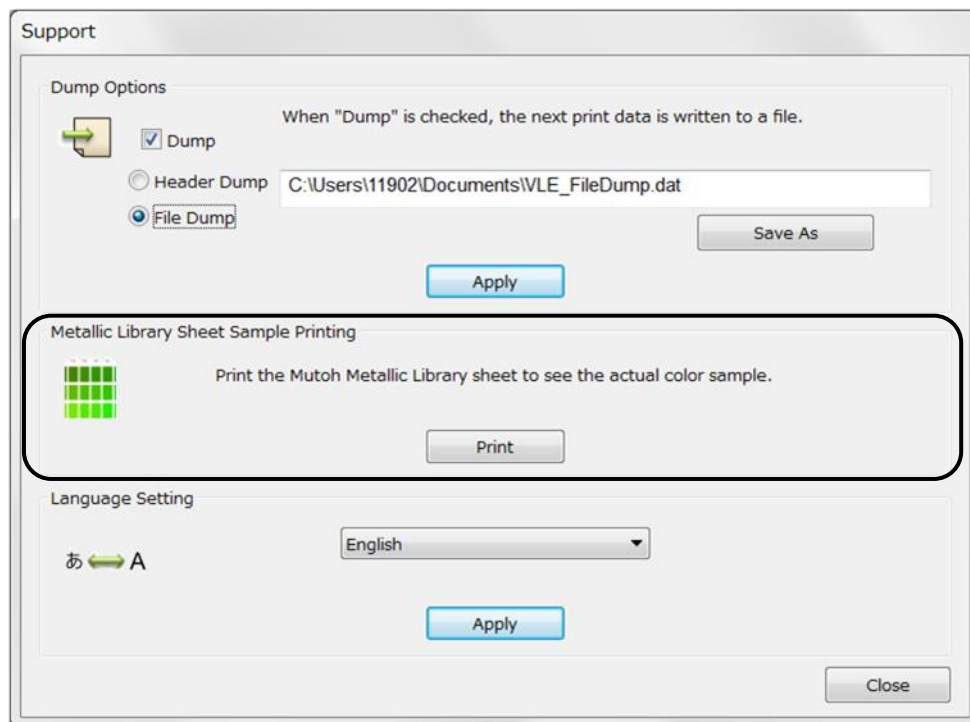
Save As dialog



Metallic Library Sheet Sample Printing

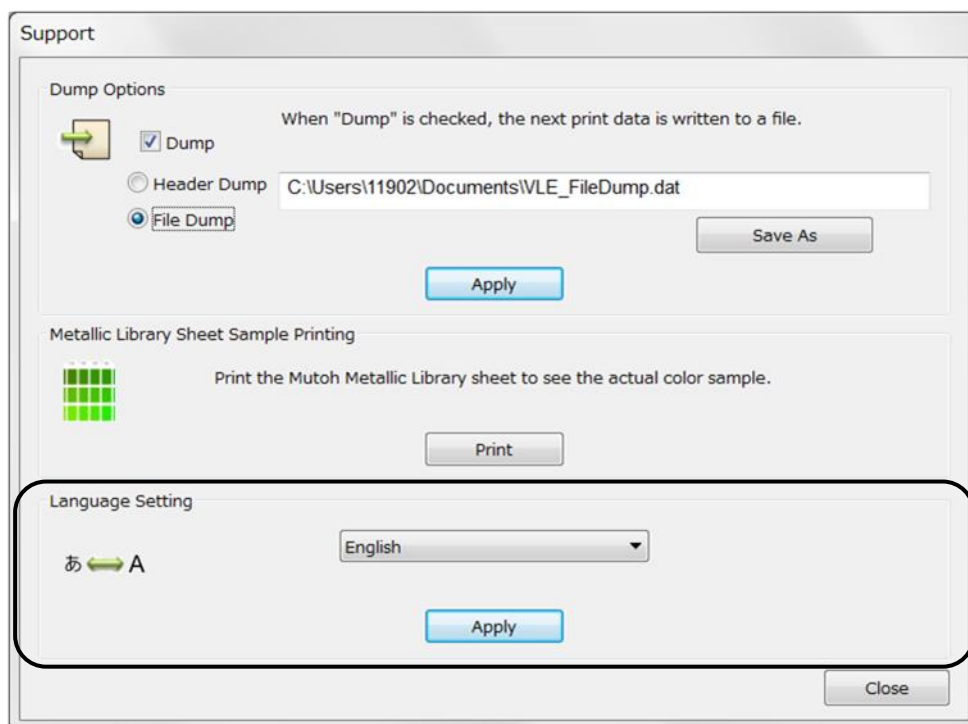
In the center of this dialog, the menu of metallic library sheet sample printing is displayed.

For the details, see 5.13 How to use Mutoh Metallic Library for VJ-628X / VJ-1628X.



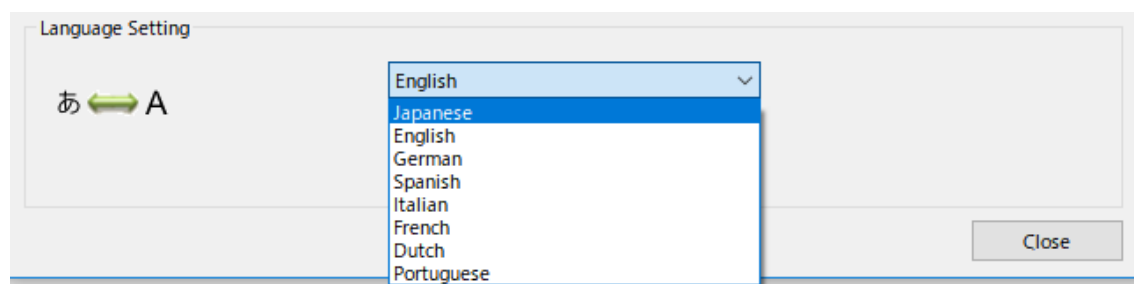
Language Setting

In the lower part of this dialog, the language setting menu is displayed.



Select a language from the drop-down list.

Japanese English German Spanish Italian French
Dutch Portuguese



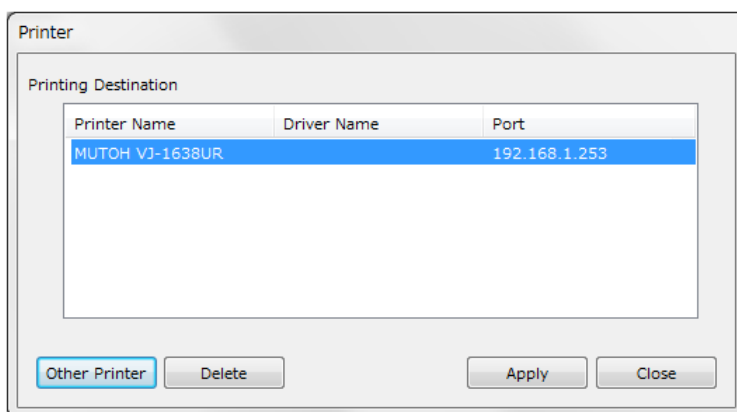
5.10. How to Perform Single-Layer Printing for VJ-1638UR

In single-layer printing mode - "4-layer (KCMY-KCMY-WW-KCMY)" for VJ-1638UR, up to 5 files can be assigned to 4 layers.

Basic Procedure

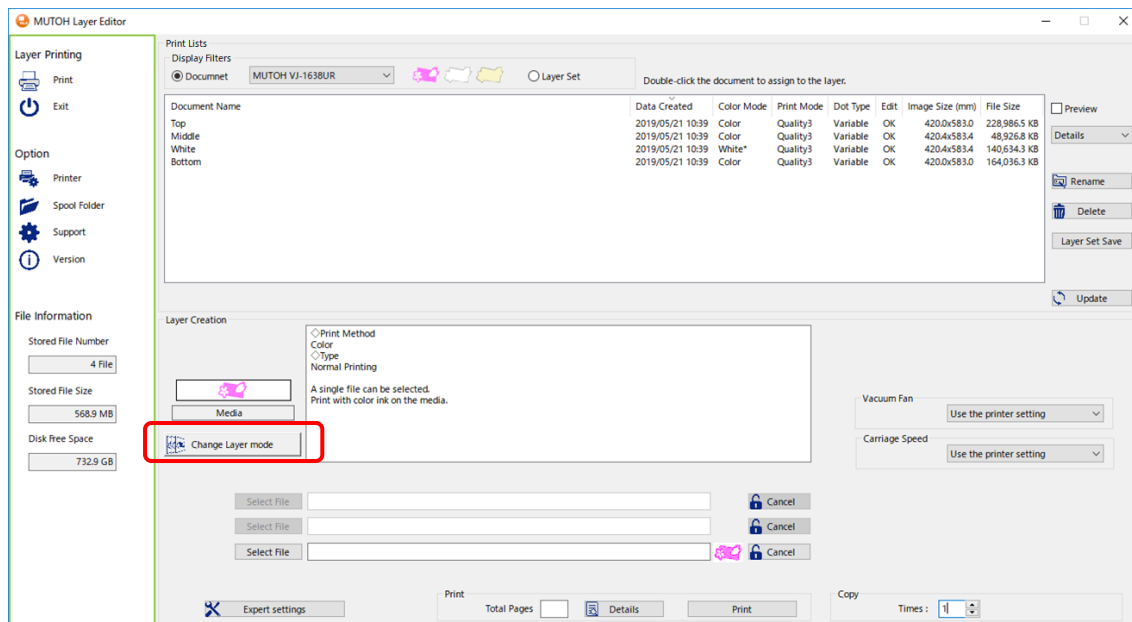
1) Select VJ-1638UR

For the printer port setting, see Initial Setting (for initial Start-up only).

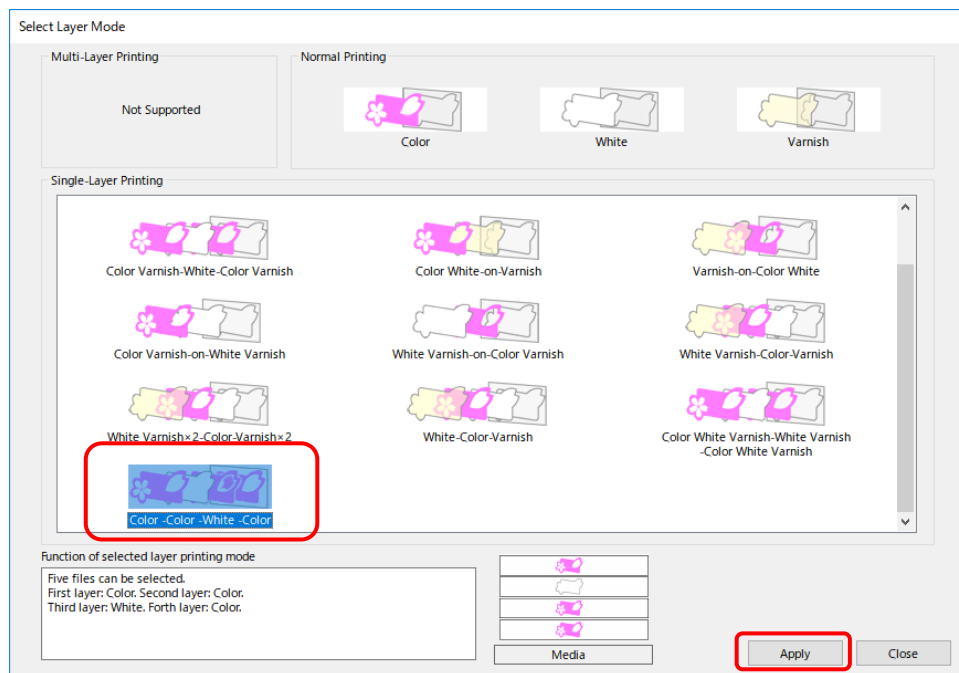


2) Switch the layer mode

Click **Change Layer Mode** to go to the Select Layer Mode menu.

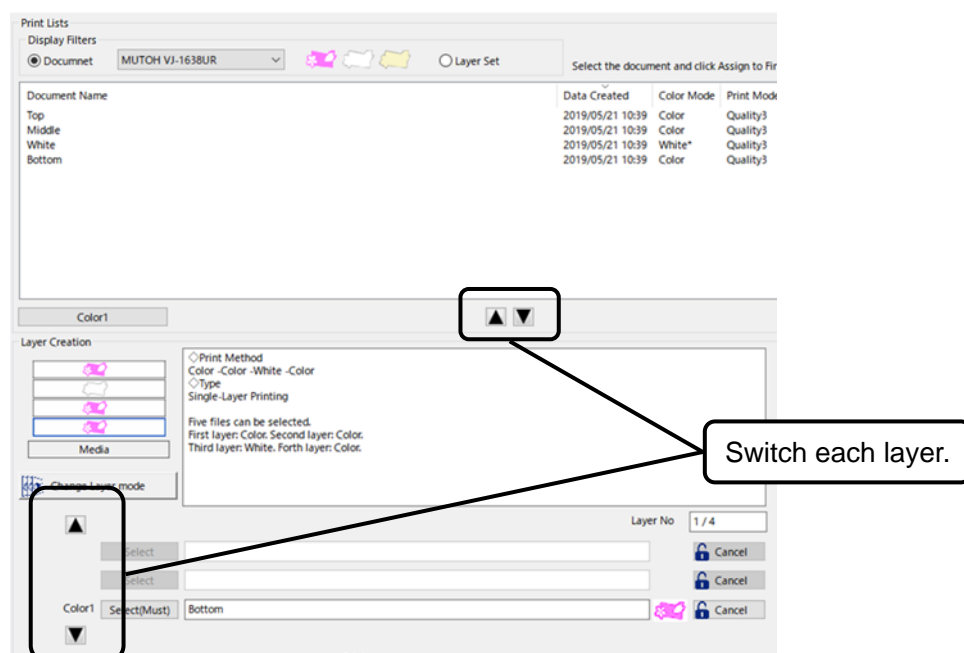


Select **Color -Color -White -Color** and click **Apply**.

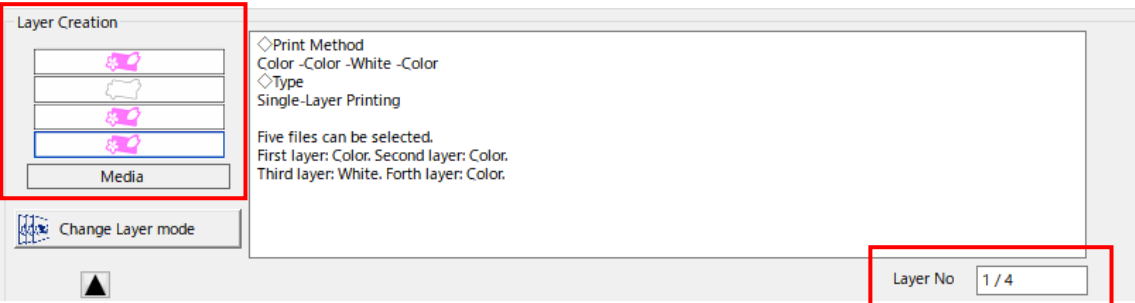


3) Assign a print file to each layer

The ▲ ▼ arrows appear under the list and the left side of Layer Creation to switch each layer.

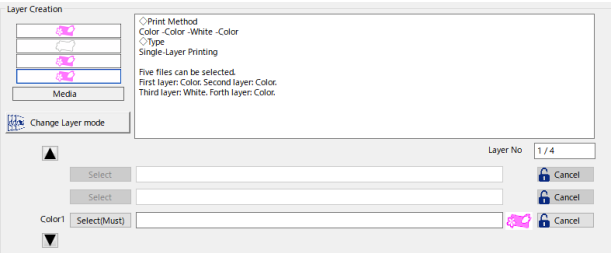


The selected layer is indicated by the layer mode icon (blue-colored frame) or Layer No field.

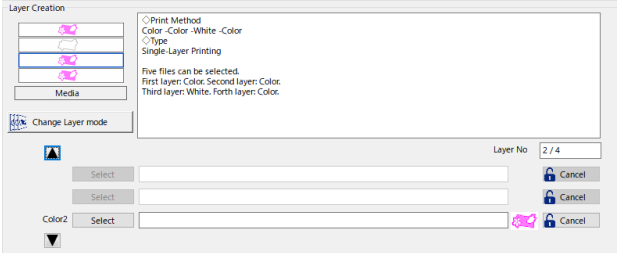


Switch each layer with one click of ▲ or ▼ arrow.

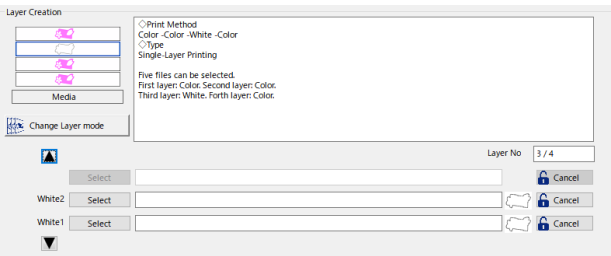
Layer No 1 / 4



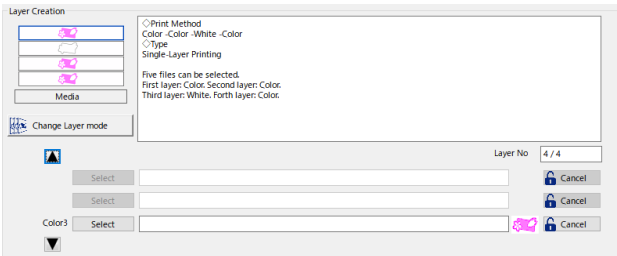
Layer No 2 / 4



Layer No 3 / 4



Layer No 4 / 4



Check the color mode of the file on the list before assigning.

The file with gray scale mode can be assigned to white or varnish layer.

Document Name	Data Created	Color Mode	Print
white_sample	2016/02/03 09:15	White	Graph
varnish sample	2016/05/12 15:41	Varnish	Graph
gray_sample	2016/03/11 15:51	Gray Scale	Banne
color sample	2016/04/20 17:32	Color	Qualit

The Select button shows "Select (Must)" or "Select".

Select (Must): File should be assigned.

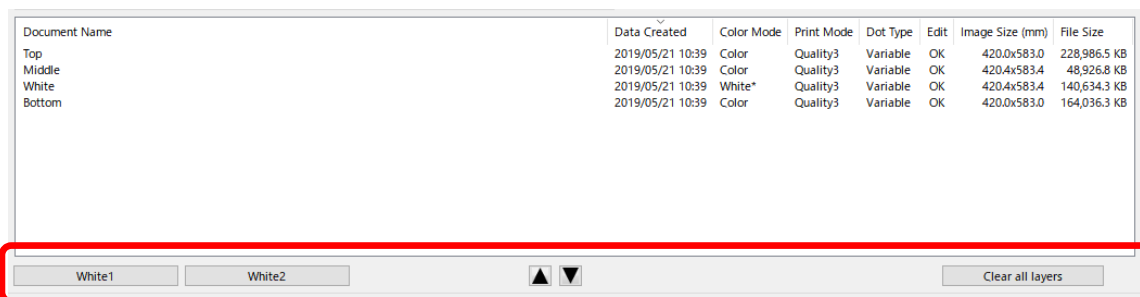
Select: You can select whether to assign a file depending on your desired output result.

To cancel the file being assigned, click **Cancel**.



The file can be also assigned with the buttons under the list.

To cancel all the file being assigned to the layers, click **Clear all layers**.



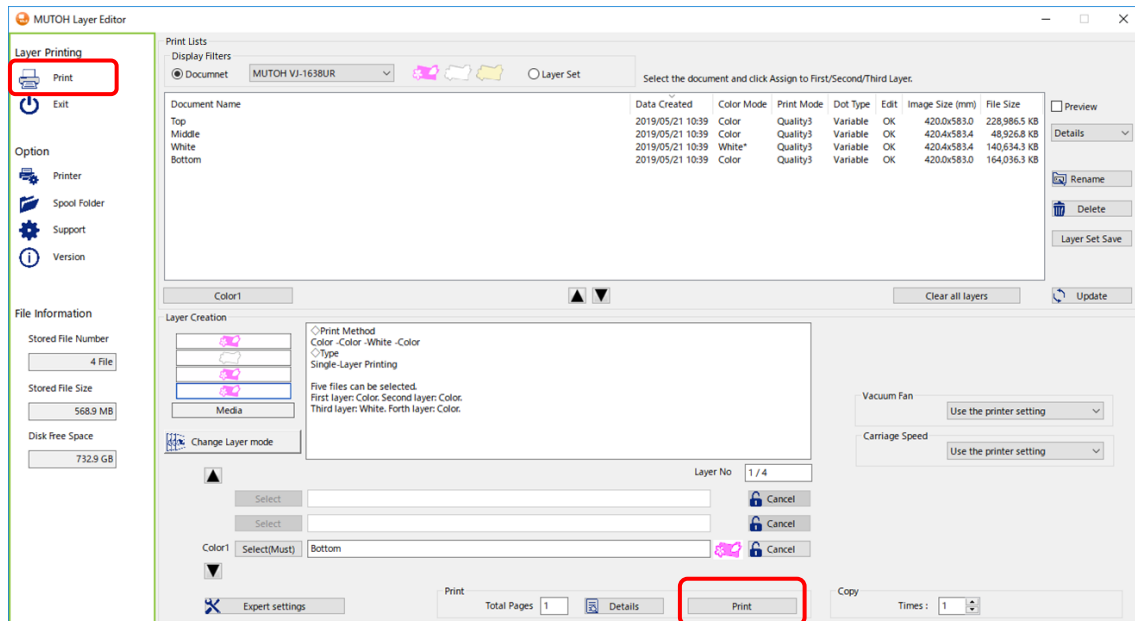
NOTE

In the single layer printing mode for VJ-1638UR, use the buttons to assign a file.

File cannot be assigned by a double click.

4) Print

After selecting the layer file, click **Print** to start layer printing.



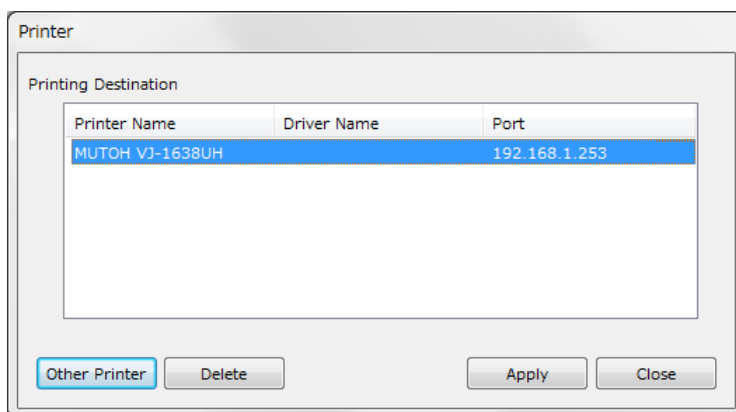
5.11. How to Perform Single-Layer Printing for VJ-1638UH

In single-layer printing mode - "3-layer (KCMYWV-WWV-KCMYWV)" for VJ-1638UH, up to 3 files can be assigned to each layer. In total, 9 files can be assigned to 3 layers.

Basic Procedure

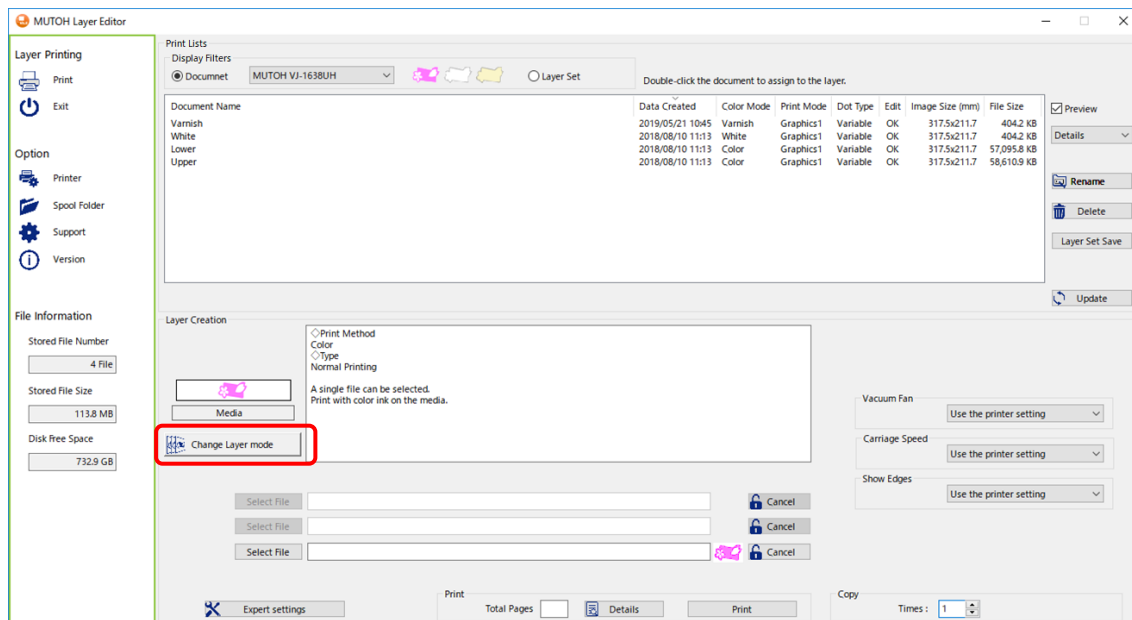
1) Select VJ-1638UH

For the printer port setting, see Initial Setting (for initial Start-up only).

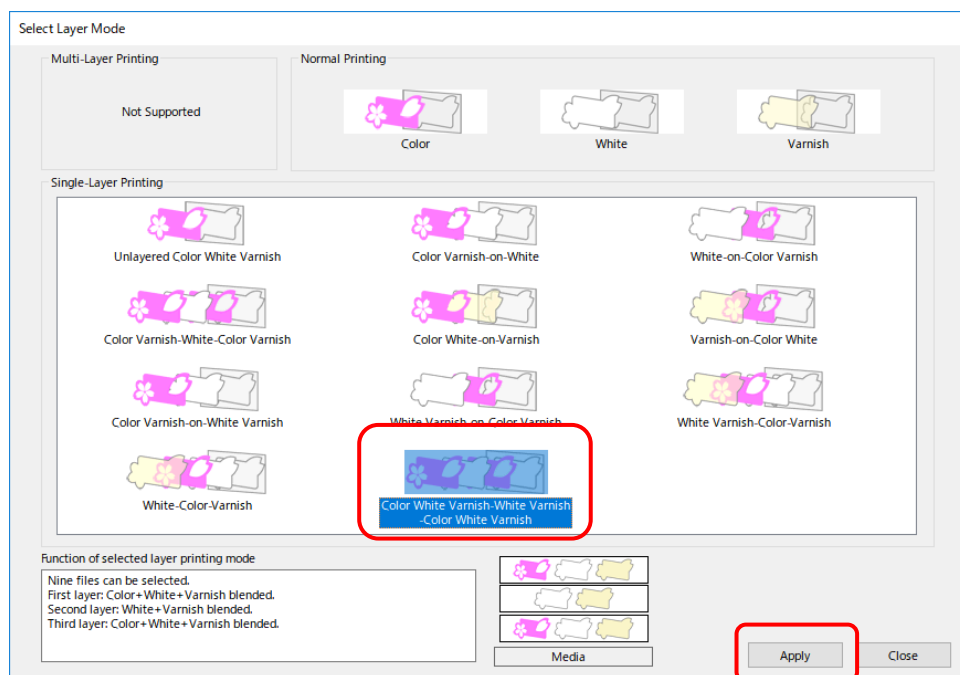


2) Switch the layer mode

Click **Change Layer Mode** to go to the Select Layer Mode menu.

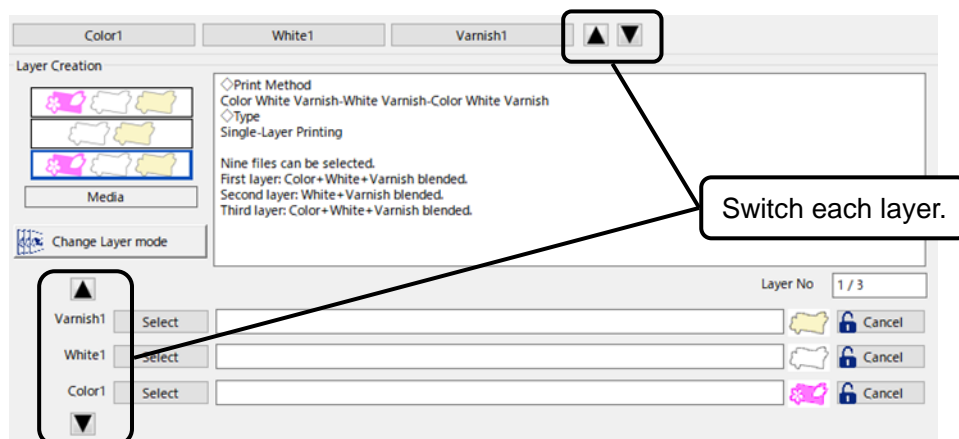


Select **Color White Varnish-White Varnish-Color White Varnish** and click **Apply**.

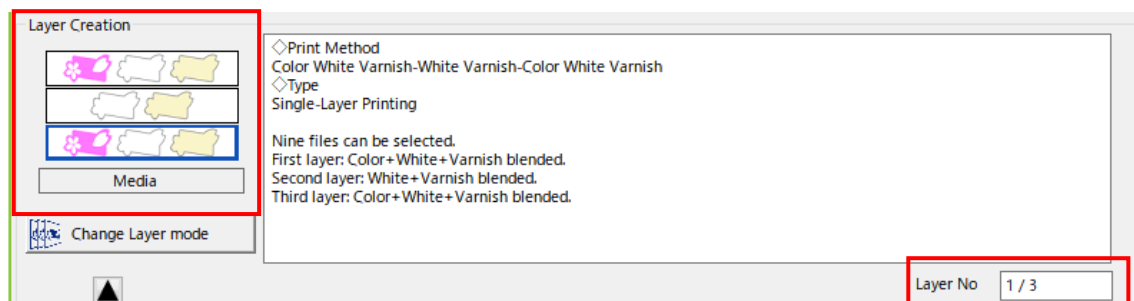


3) Assign a print file to each layer

The ▲ ▼ arrows appear under the list and the left side of Layer Creation to switch each layer.

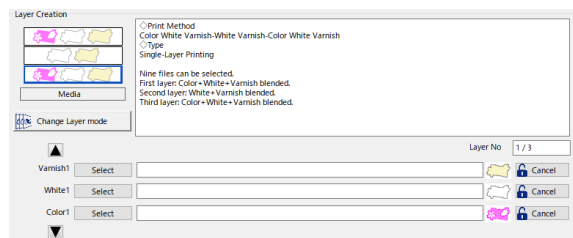


The selected layer is indicated by the layer mode icon (blue-colored frame) or Layer No field.

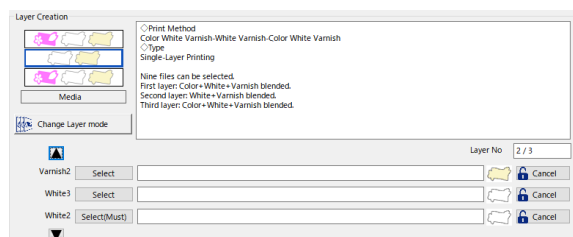


Switch each layer with one click of ▲ or ▼ arrow.

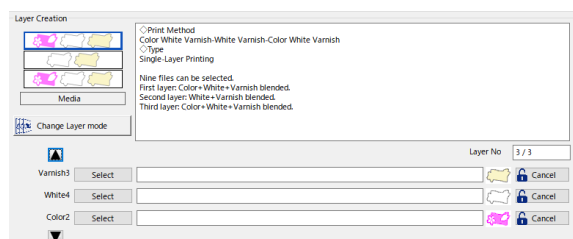
Layer No 1 / 3



Layer No 2 / 3



Layer No 3 / 3



Check the color mode of the file on the list before assigning.

The file with gray scale mode can be assigned to white or varnish layer.

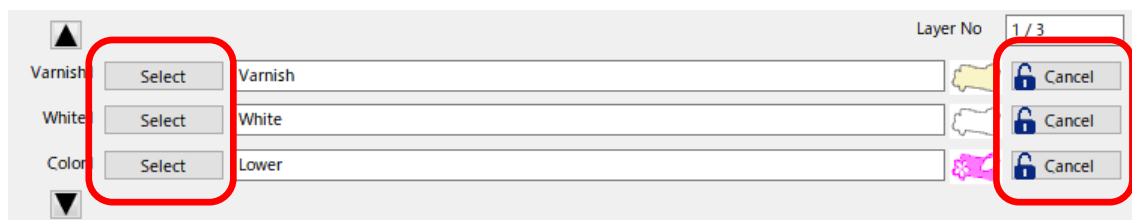
Document Name	Data Created	Color Mode	Print
white_sample	2016/02/03 09:15	White	Graph
varnish sample	2016/05/12 15:41	Varnish	Graph
gray_sample	2016/03/11 15:51	Gray Scale	Banne
color sample	2016/04/20 17:32	Color	Qualit

The Select button shows "Select (Must)" or "Select".

Select (Must): File should be assigned.

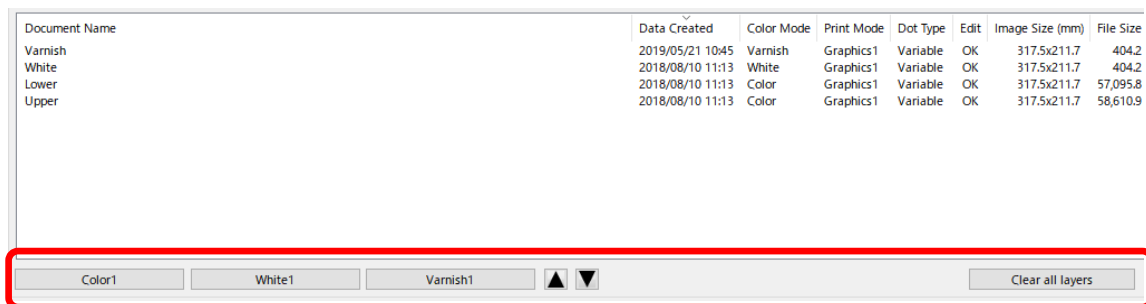
Select: You can select whether to assign a file depending on your desired output result.

To cancel the file being assigned, click **Cancel**.



The file can be also assigned with the buttons under the list.

To cancel all the file being assigned to the layers, click **Clear all layers**.



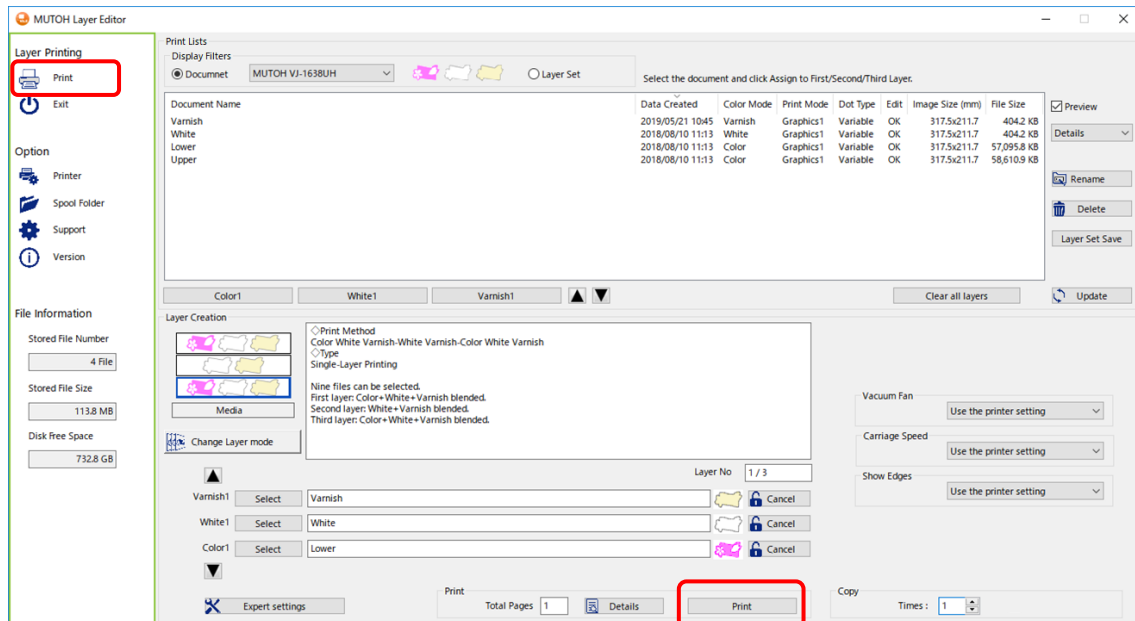
NOTE

In the single layer printing mode for VJ-1638UH, use the buttons to assign a file.

File cannot be assigned by a double click.

4) Print

After selecting the layer file, click **Print** to start layer printing.



5.12. How to Perform Multi-Layer Printing for XPJ-461UF / XPJ-661UF / VJ-426UF / VJ-626UF

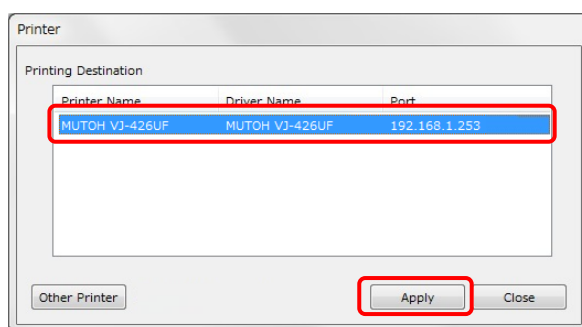
Up to 15 files can be assigned for multi-layer printing.

This section explains the basic procedure of multi-layer printing.

Basic procedure

1) Select XPJ-461UF XPJ-661UF / VJ-426UF / VJ-626UF

When launching the Layer Editor for the first time or from the main menu, click **Printer** to open the Printer Selection dialog and select **XPJ-461UF / XPJ-661UF / VJ-426UF / VJ-626UF**.

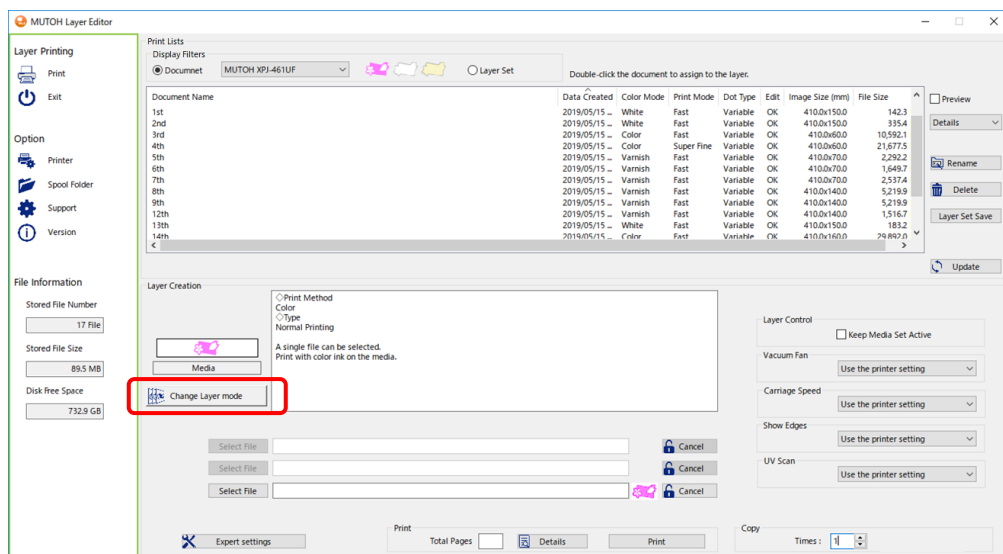


2) Switch the Layer Mode

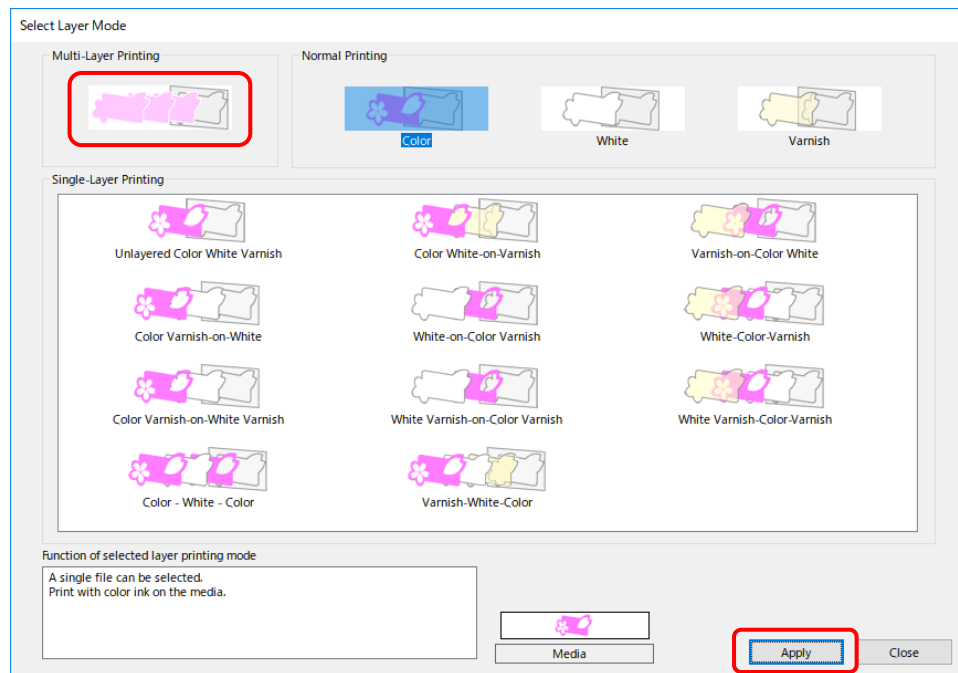
Default status for XPJ-461UF / XPJ-661UF / VJ-426UF / VJ-626UF is the Multi-Layer Printing mode.

(The Single-Layer Printing mode is currently selected below as example.)

Click **Change Layer Mode** to go to the Select Layer Mode menu.

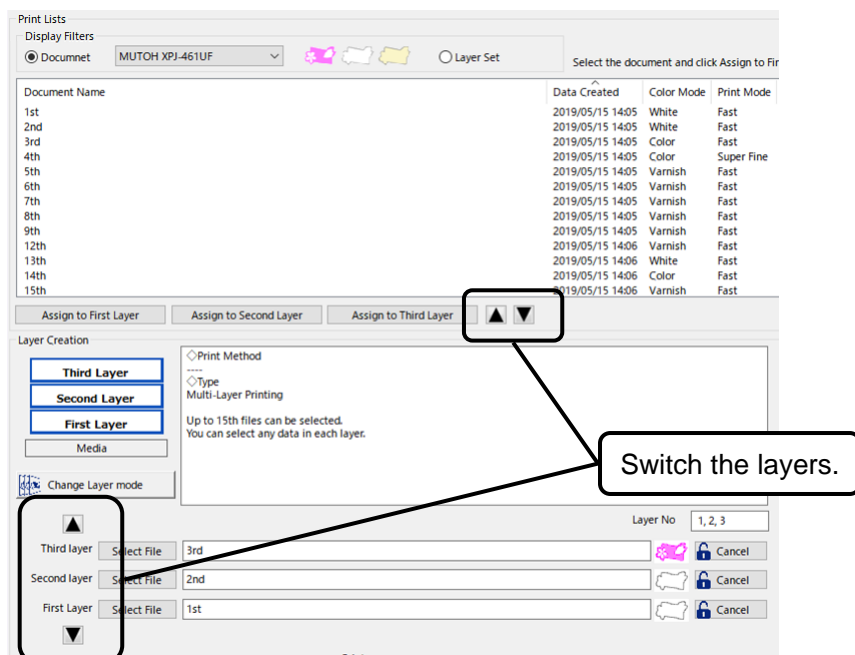


Select **Multi-Layer Printing** and click **Apply**.

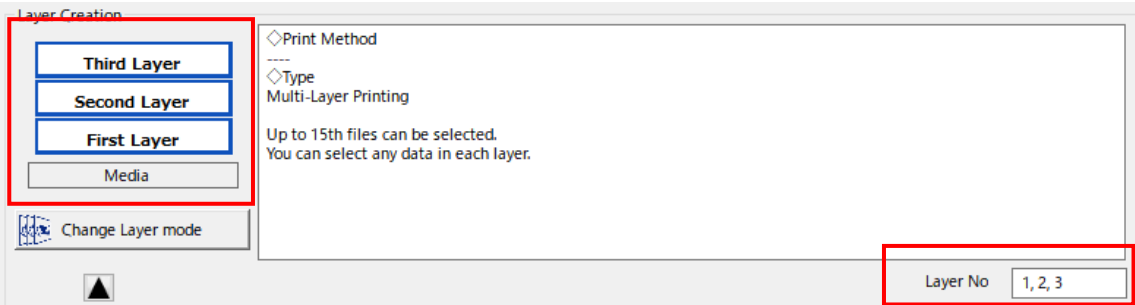


3) Assign a print file to each layer

The ▲ ▼ arrows appear under the list and the left side of Layer Creation to switch the layers.

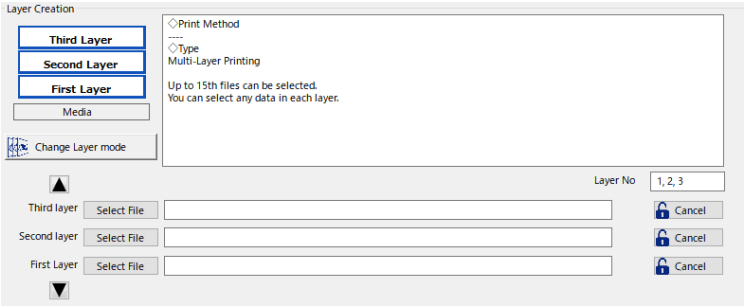


The selected layers are indicated by the layer mode icon (blue-colored frames) or Layer No field.

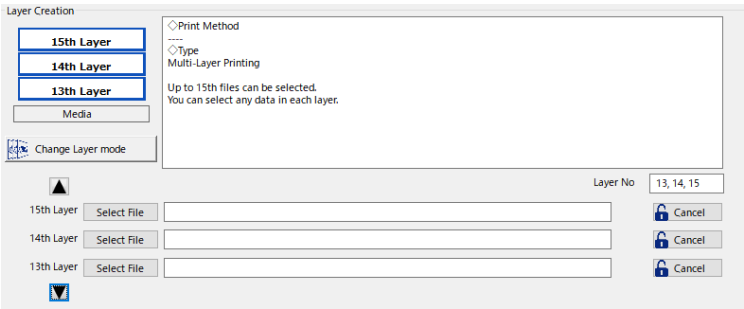


Click ▲ or ▼ arrow to switch the layers.
One click can switch the layers in increments of 3 layers.

Layer No. 1 / 2 / 3



Layer No. 13 / 14 / 15

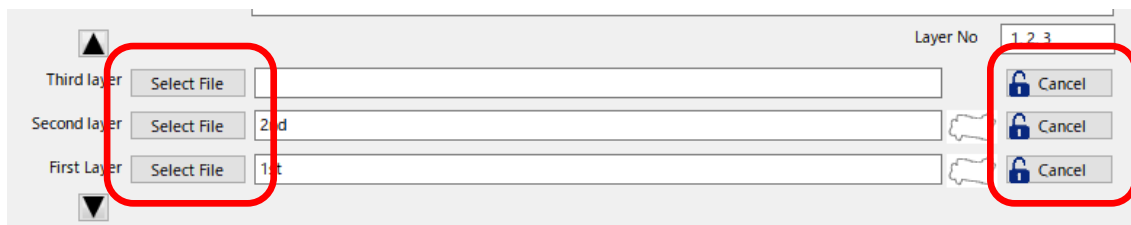


In multi-layer printing, you can assign any file to any layer regardless of color mode of the file.

Document Name	Data Created	Color Mode	Print Mode	Dot Type	Edit	Image Size (mm)	File Size
1st	2018/01/17 11:52	Color	Fast	Variable	OK	252.0x189.0	52,941.1 KB
4th	2018/01/17 11:52	Color	Fast	Variable	OK	252.0x189.0	52,941.1 KB
7th	2018/01/17 11:52	Color	Fast	Variable	OK	252.0x189.0	52,941.1 KB
10th	2018/01/17 11:52	Color	Fast	Variable	OK	252.0x189.0	52,941.1 KB
13th	2018/01/17 11:52	Color	Fast	Variable	OK	252.0x189.0	52,941.1 KB
2nd	2018/01/17 11:52	White	Fast	Variable	OK	252.0x189.0	13,071.0 KB
5th	2018/01/17 11:52	White	Fast	Variable	OK	252.0x189.0	13,071.0 KB
8th	2018/01/17 11:52	White	Fast	Variable	OK	252.0x189.0	13,071.0 KB
11th	2018/01/17 11:52	White	Fast	Variable	OK	252.0x189.0	13,071.0 KB
14th	2018/01/17 11:52	White	Fast	Variable	OK	252.0x189.0	13,071.0 KB

Click **Select File** to assign a file.

To cancel the file being assigned, click **Cancel**.



The file can be also assigned with the buttons under the list.

To cancel all the file being assigned to each layer, click **Clear all layers**.

Document Name	Data Created	Color Mode	Print Mode	Dot Type	Edit	Image Size (mm)	File Size
1st	2019/05/15 14:05	White	Fast	Variable	OK	410.0x150.0	142.3 KB
2nd	2019/05/15 14:05	White	Fast	Variable	OK	410.0x150.0	335.4 KB
3rd	2019/05/15 14:05	Color	Fast	Variable	OK	410.0x60.0	10,592.1 KB
4th	2019/05/15 14:05	Color	Super Fine	Variable	OK	410.0x60.0	21,677.5 KB
5th	2019/05/15 14:05	Varnish	Fast	Variable	OK	410.0x70.0	2,292.2 KB
6th	2019/05/15 14:05	Varnish	Fast	Variable	OK	410.0x70.0	1,649.7 KB
7th	2019/05/15 14:05	Varnish	Fast	Variable	OK	410.0x70.0	2,537.4 KB
8th	2019/05/15 14:05	Varnish	Fast	Variable	OK	410.0x140.0	5,219.9 KB
9th	2019/05/15 14:05	Varnish	Fast	Variable	OK	410.0x140.0	5,219.9 KB
12th	2019/05/15 14:06	Varnish	Fast	Variable	OK	410.0x140.0	1,516.7 KB
13th	2019/05/15 14:06	White	Fast	Variable	OK	410.0x150.0	183.2 KB
14th	2019/05/15 14:06	Color	Fast	Variable	OK	410.0x160.0	29,892.0 KB

Assign to First Layer Assign to Second Layer Assign to Third Layer Clear all layers

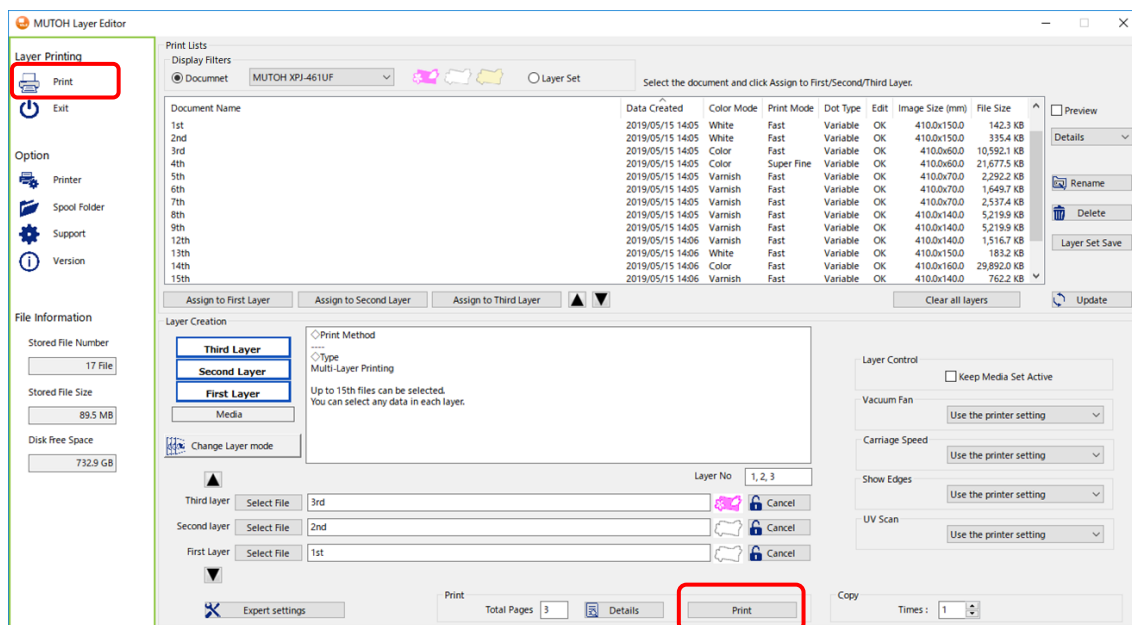
NOTE

In multi-layer printing mode for XPJ-461UF / XPJ-661UF / VJ-426UF / VJ-626UF, use the buttons to assign a file. File cannot be assigned by a double click.

4) Print

After selecting the layer file, click **Print** to start layer printing.

The layer data will be printed from the first layer.



NOTE

Even when the Multi Layer setting is set to Off from the printer panel, the multi-layer printing can be performed from Layer Editor.

5.13. How to use Mutoh Metallic Library for VJ-628X / VJ-1628X

Mutoh Metallic Library is the layer mode to use Mutoh metallic color file contained in Layer Editor.

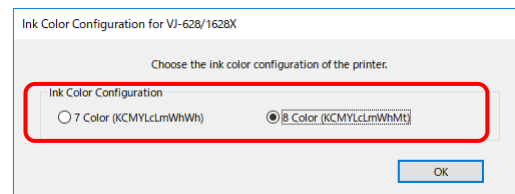
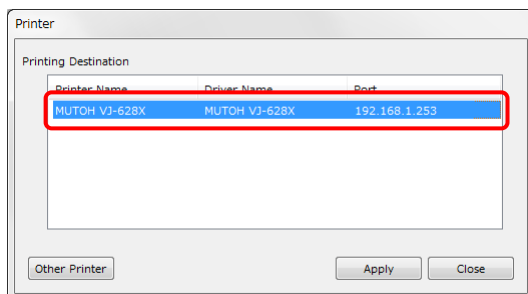
This section explains the basic procedure of how to use Mutoh Metallic Library in VJ-628X.

Basic procedure

1) Select VJ-628X / VJ-1628X.

When starting Layer Editor for the first time or from the main menu, click **Printer** to open the Printer Selection dialog and select **VJ-628X / VJ-1628X**.

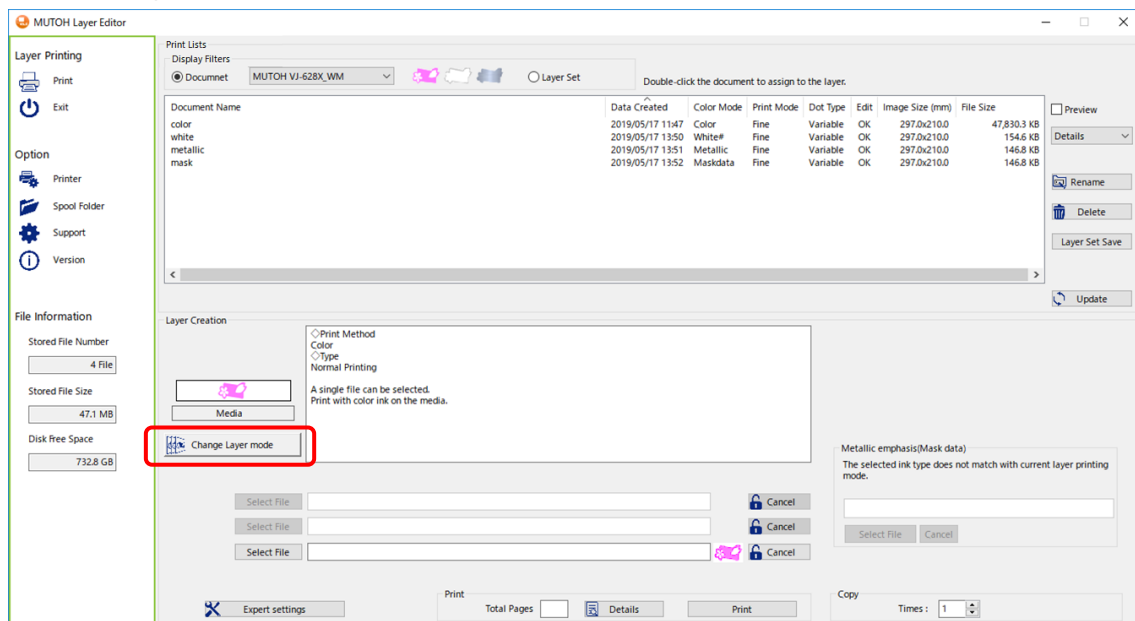
Then, the Ink Color Configuration dialog appears. Select **8 Color (KCMYLCmWhMt)**.



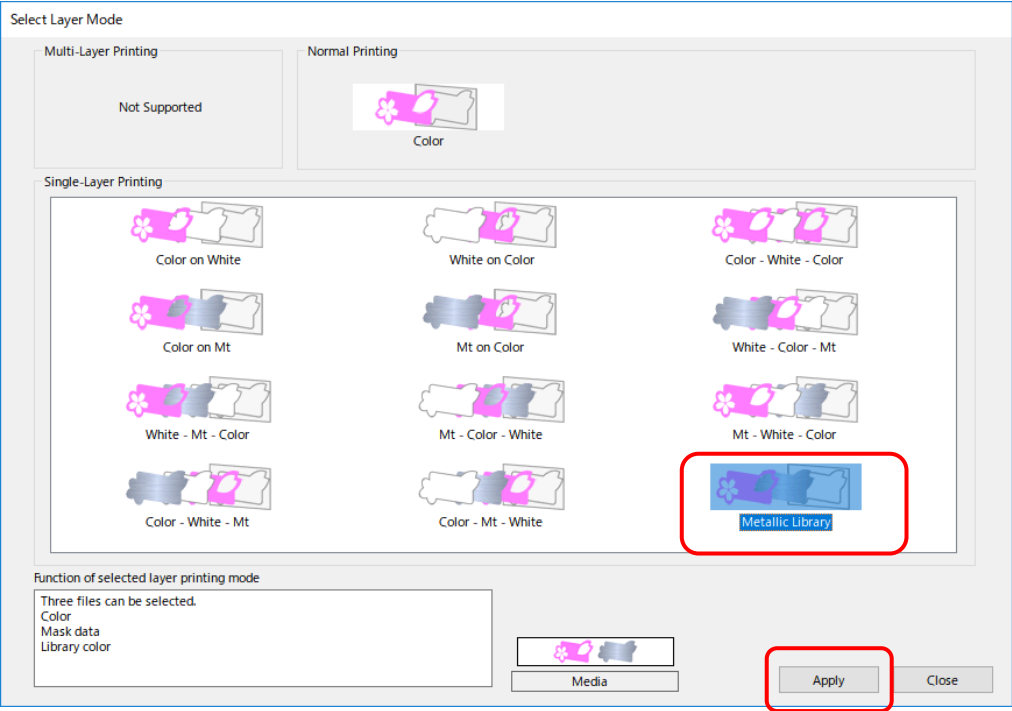
2) Select Metallic Library.

Default setting for VJ-628X / VJ-1628X is Normal Printing/Color.

Click **Change Layer mode** to open the Select Layer Mode menu.



From Single-Layer Printing, click on **Metallic Library**.
Then, click **Apply**.

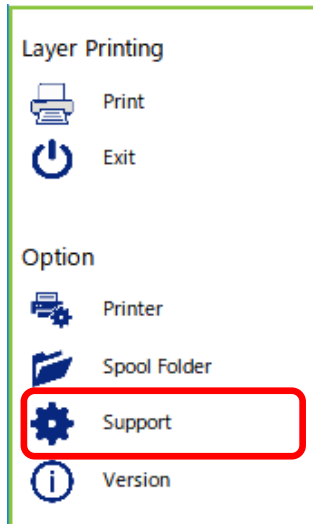


3) Print Mutoh Metallic library sheet.
This sheet is used as metallic color sample of the Library spot color.

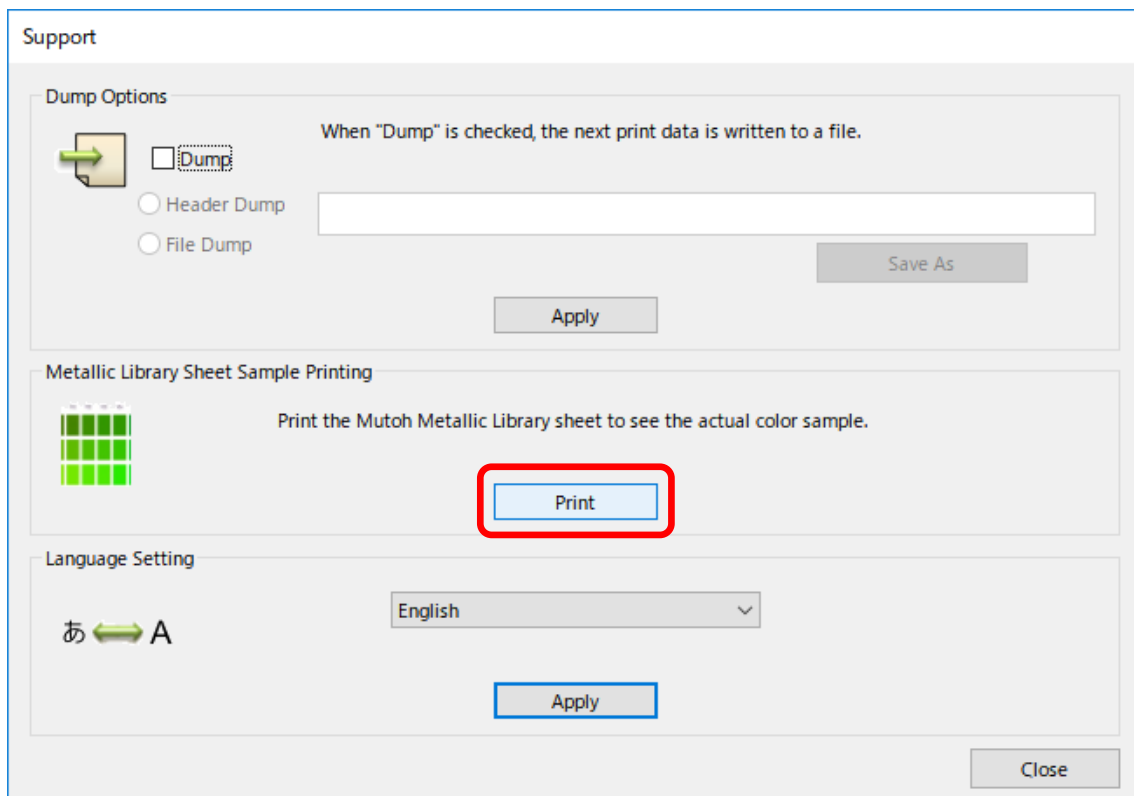
Mutoh Metallic Library sheet sample



Click **Support** from the main menu to go to the Support menu.



Click **Print** to print the Library sheet.

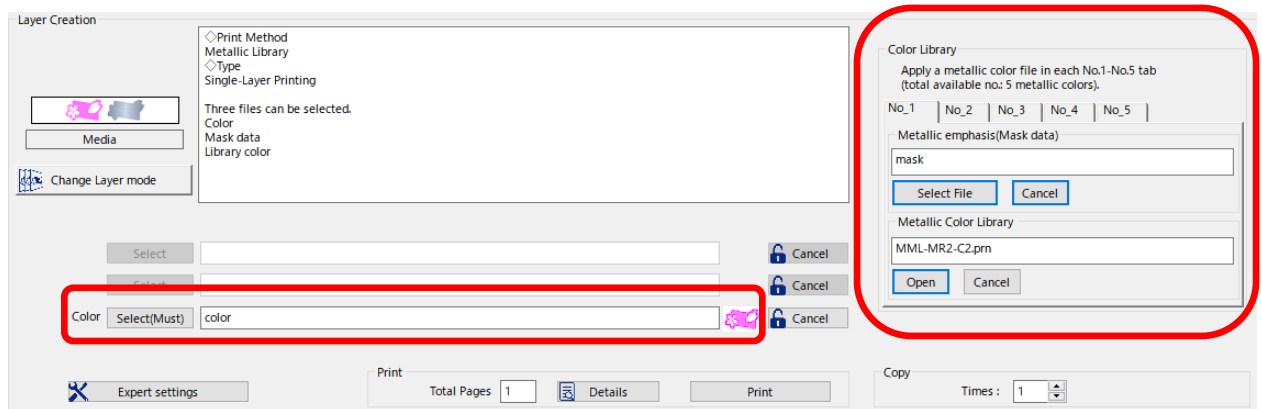


4) Assign files in the main menu.

First, assign a color file to First Layer, and then assign mask data files and metallic color files in the tabs, No1-No5. Up to 5 metallic color files can be specified in no particular order.

- Select the color file from the print data list and click **Select File** in the First Layer to assign the file.
- Select a tab from No.1- No.5 in the Color Library. Then, select a mask data file from the print data list and click **Select File** in the selected tab to assign the file.
- In the same tab, click Open to display the metallic color file selection dialog. By checking the Metallic Library sheet printed in the previous step, select your desired metallic color and find the corresponding file from the selection dialog.

Assign a mask data file and metallic color file

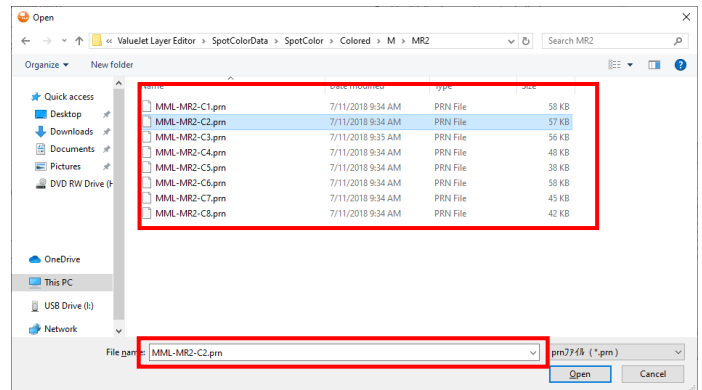
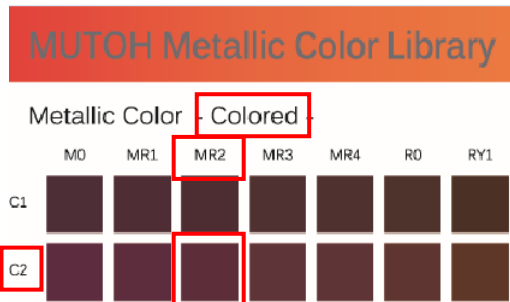


How to find the corresponding metallic color file name

In this example, we will use the color: MR2-C2 from Metallic Color – Colored.

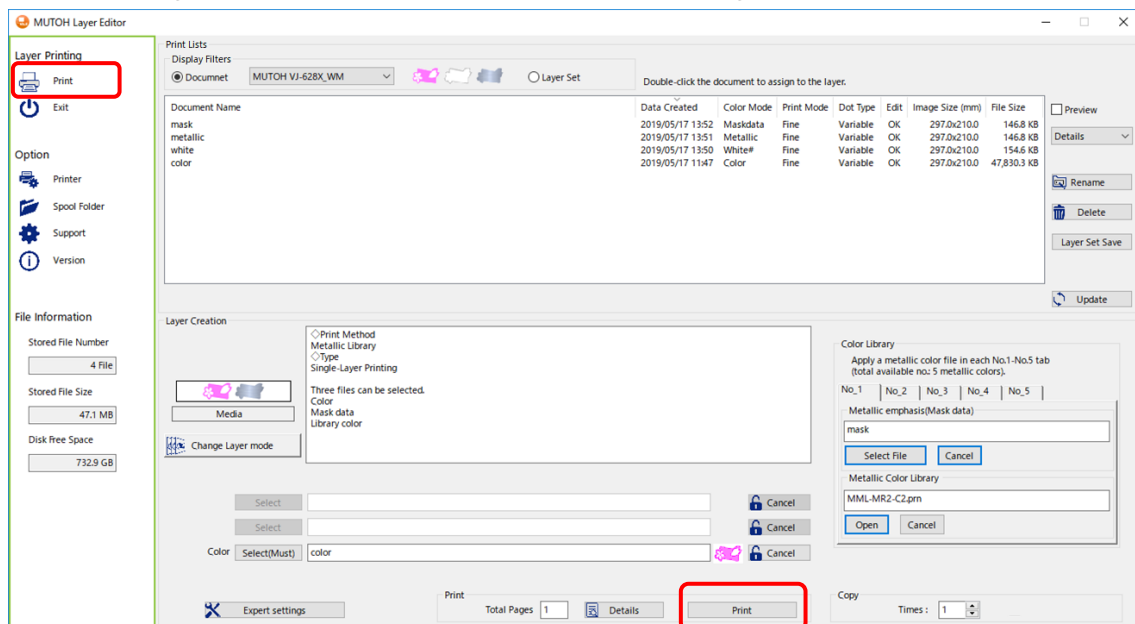
The corresponding file: MML-MR2-C2.prn is stored in the folder below.

"C:\ProgramFiles(x86)\Mutoh\ValueJetLayerEditor\SpotColorData\SpotColor\Colored\M\MR2"



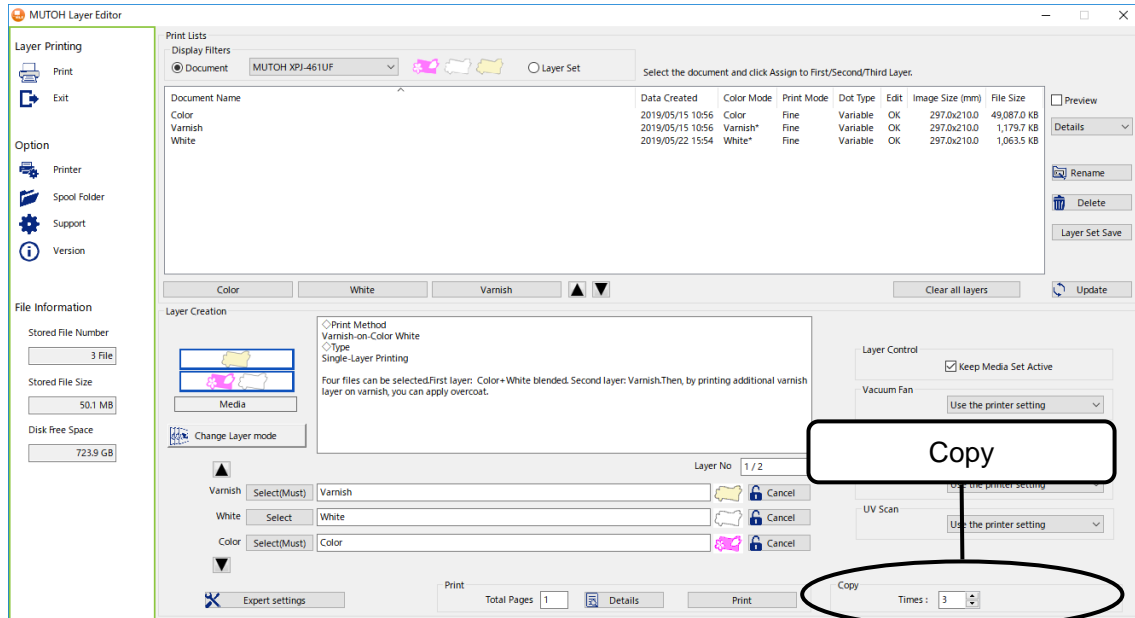
5) Print.

After selecting the layer file, click **Print** to start layer printing.

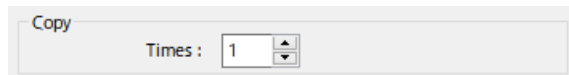


5.14. Copy Settings

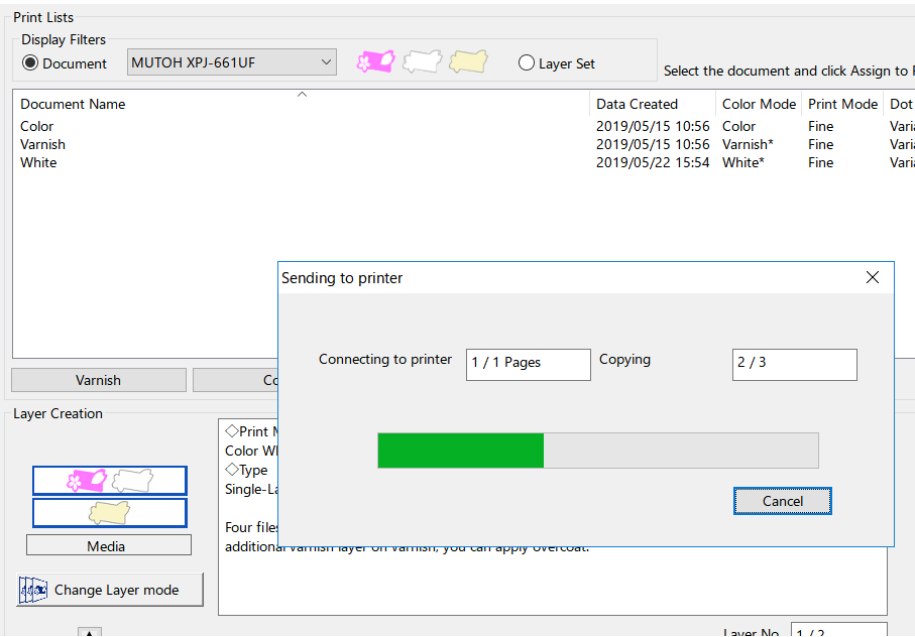
You can repeat the printing with the same layer set. The number of prints can be specified in the lower right corner of the window.



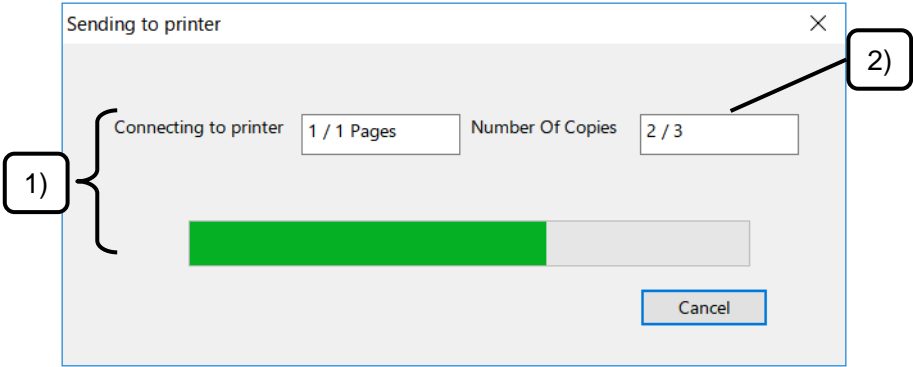
Enter the number of prints required in the 'Times' (Up to 99 times).



While printing, the progress bar is displayed.

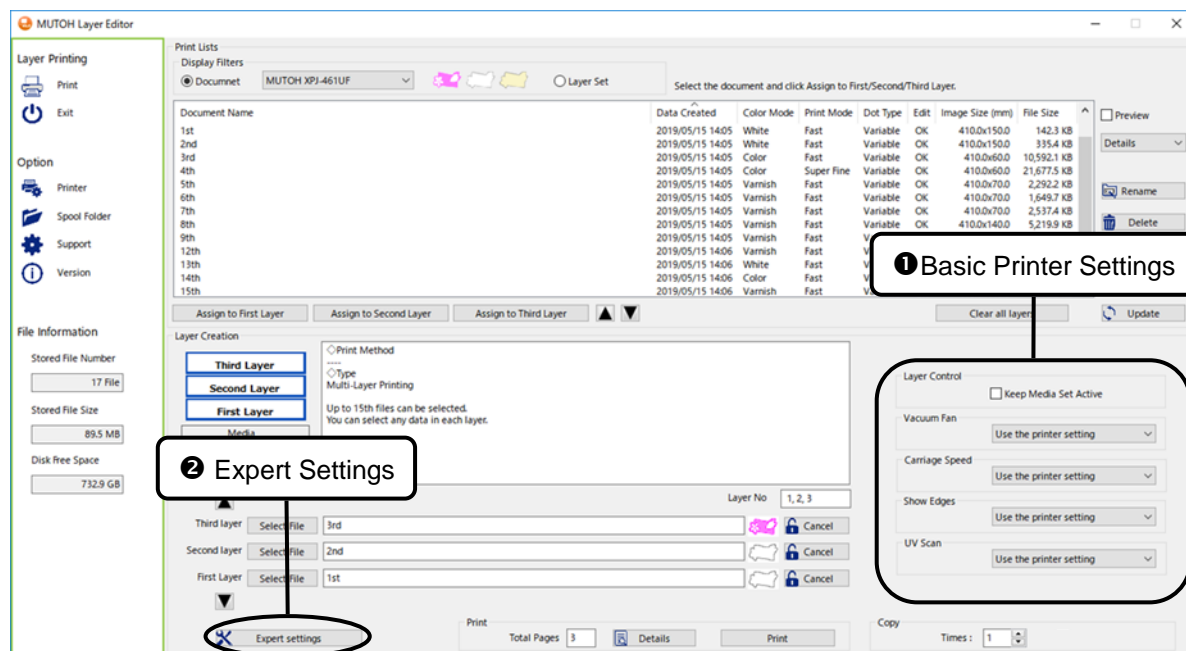


- 1) Displays the printing status of each print job.
- 2) Displays the number of times printed.

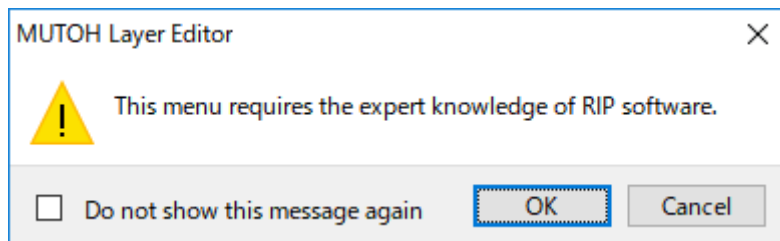


5.15. Printer Settings

You can change the printer settings from ❶ Basic Printer Settings and ❷ Expert Settings in Layer Editor. The settings you can change vary by printer model.

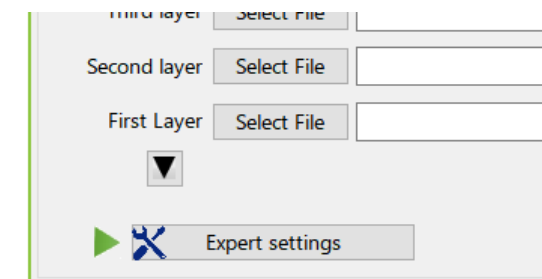


When you click on the Expert Settings, the alert message below will appear. Some menus require expert knowledge. Take extra attention when using this function.



Click **OK** to open the Expert Settings dialog.

When the expert settings is enabled, the green arrow icon appears next to the "Expert settings" button in the main menu.



5.15.1. Main Menu

5.15.1.1. XPJ-461UF / XPJ-661UF / VJ-426UF / VJ-626UF VJ-1626UH

Printer Settings	XPJ-461UF XPJ-661UF VJ-426UF VJ-626UF	VJ-1626UH
Keep Media Set Active	✓	
Vacuum Fan	✓	✓
Carriage Speed	✓	✓
Show Edges	✓	✓
UV Scan	✓	

XPJ-461UF / XPJ-661UF

VJ-426UF / VJ-626UF

VJ-1626UH

5.15.1.2. VJ-1638UH / VJ-1638UR

Printer Settings	VJ-1638UH	VJ-1638UR
Vacuum Fan	✓	✓
Carriage Speed	✓	✓
Show Edges	✓	

VJ-1638UH

VJ-1638UR

5.15.2. Expert Settings

5.15.2.1. XPJ-461UF / XPJ-661UF

Printer Settings	Dot Size Printing Direction	Interlace Pass Method Effect	UV-LED Curing Method UV-LED Lamp Light
------------------	--------------------------------	---------------------------------	---

XPJ-461UF

Expert settings

☒ Use the expert settings

Dot Size

Use the printer setting

Interlace Pass Method

Use the printer setting

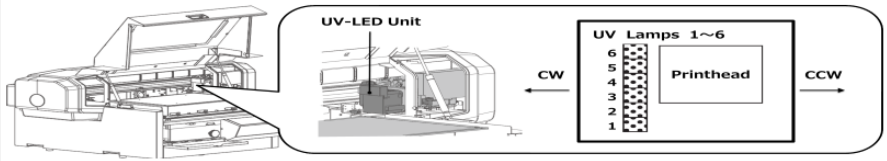
Printing Direction

Use the printer setting

Effect

Use the printer setting

☒ UV Control



UV-Lamp Curing Method

UV-Lamp curing while printing

Lamp light

Lamp 1 CW

100

(%)

Lamp 1 CCW

100

(%)

Lamp 4 CW

100

(%)

Lamp 4 CCW

100

(%)

Lamp 2 CW

100

(%)

Lamp 2 CCW

100

(%)

Lamp 5 CW

100

(%)

Lamp 5 CCW

100

(%)

Lamp 3 CW

100

(%)

Lamp 3 CCW

100

(%)

Lamp 6 CW

100

(%)

Lamp 6 CCW

100

(%)

Restore defaults

Apply

Close

XPJ-661UF

Expert settings

☒ Use the expert settings

Dot Size

Use the printer setting

Interlace Pass Method

Use the printer setting

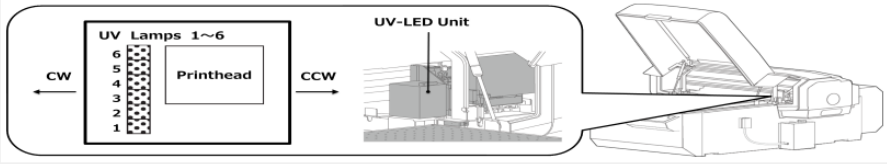
Printing Direction

Use the printer setting

Effect

Use the printer setting

☒ UV Control



UV-Lamp Curing Method

UV-Lamp curing while printing

Lamp light

Lamp 1 CW

100

(%)

Lamp 1 CCW

100

(%)

Lamp 4 CW

100

(%)

Lamp 4 CCW

100

(%)

Lamp 2 CW

100

(%)

Lamp 2 CCW

100

(%)

Lamp 5 CW

100

(%)

Lamp 5 CCW

100

(%)

Lamp 3 CW

100

(%)

Lamp 3 CCW

100

(%)

Lamp 6 CW

100

(%)

Lamp 6 CCW

100

(%)

Restore defaults

Apply

Close

5.15.2.2. VJ-628X / VJ-1628X VJ-1617H / VJ-628MP / VJ-1627MH

Printer Settings	Dot Size Printing Direction	Interlace Pass Method Carriage Speed	Vacuum Fan Effect	Ink Dry Timer
------------------	--------------------------------	---	----------------------	---------------

Expert settings

☒ Use the expert settings

Dot Size

Use the printer setting

Printing Direction

Use the printer setting

Interlace Pass Method

Use the printer setting

Carriage Speed

Use the printer setting

Vacuum Fan

Use the printer setting

Effect

Use the printer setting

☒ Ink Dry Timer

0

(Sec)

Restore defaults

Apply

Close

5.15.2.3. VJ-1638UH / VJ-1638UR

Printer Settings	Dot Size Printing Direction	Interlace Pass Method Effect	UV-LED Curing Method UV-LED Lamp Light
------------------	--------------------------------	---------------------------------	---

Expert settings

☒ Use the expert settings

Dot Size

Use the printer setting

Printing Direction

Use the printer setting

Interlace Pass Method

Use the printer setting

Effect

Use the printer setting

☒ UV Control

Lamp R

Lamp L

UV-Lamp Curing Method

UV-Lamp curing while printing

Lamp light

Lamp L

Lamp L1 CW : 100 (%)

Lamp L1 CCW : 100 (%)

Lamp L2 CW : 100 (%)

Lamp L2 CCW : 100 (%)

Lamp L3 CW : 100 (%)

Lamp L3 CCW : 100 (%)

Lamp L4 CW : 100 (%)

Lamp L4 CCW : 100 (%)

Lamp R

Lamp R1 CW : 100 (%)

Lamp R1 CCW : 100 (%)

Lamp R2 CW : 100 (%)

Lamp R2 CCW : 100 (%)

Lamp R3 CW : 100 (%)

Lamp R3 CCW : 100 (%)

Lamp R4 CW : 100 (%)

Lamp R4 CCW : 100 (%)

Restore defaults

Apply

Close

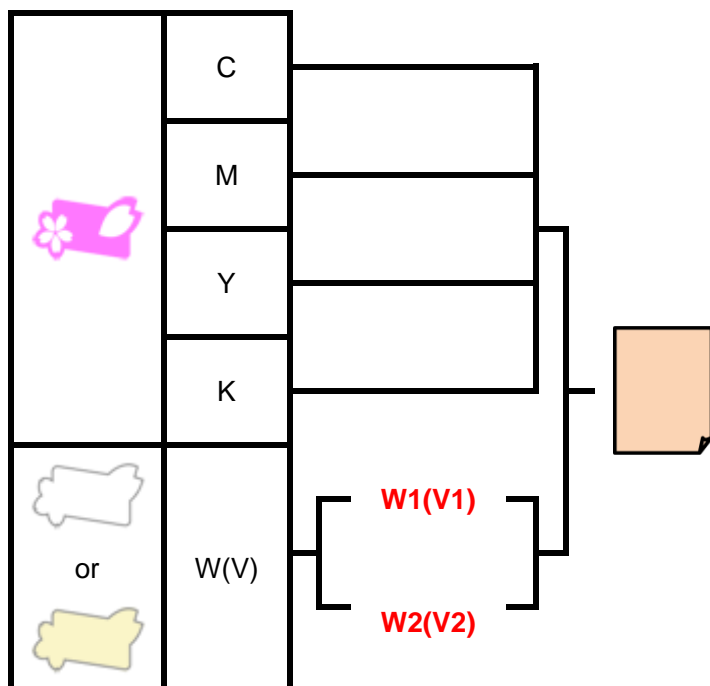
5.15.2.4. VJ-426UF / VJ-626UF VJ-1626UH

Printer Settings	VJ-426UF	VJ-626UF	VJ-1626UH
Dot Size	✓	✓	✓
Printing Direction	✓	✓	✓
Interlace Pass Method	✓	✓	✓
Effect	✓	✓	✓
UV-LED Curing Method	✓	✓	
UV-LED Lamp Light	✓	✓	✓
Channel Control	✓	✓	

Channel Control

This function is available for VJ-426UF / VJ-626UF from the Expert settings.

When printing a white (W) or varnish (V) file, you can choose single or double channel to print the data.



VJ-426UF / VJ-626UF

Expert Settings – Channel Control

Channel Control

White

☒ W1 + W2
☐ W1
☐ W2

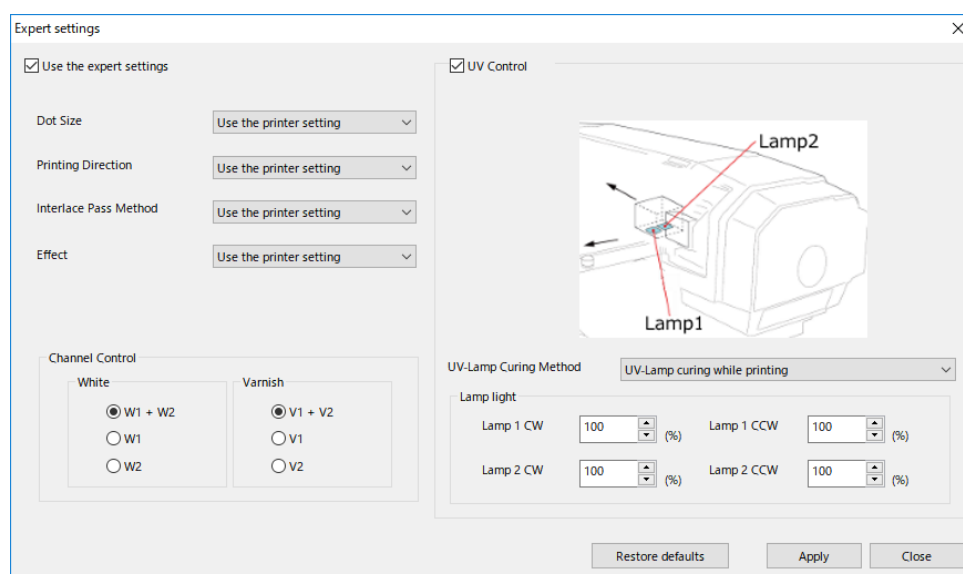
Varnish

☒ V1 + V2
☐ V1
☐ V2

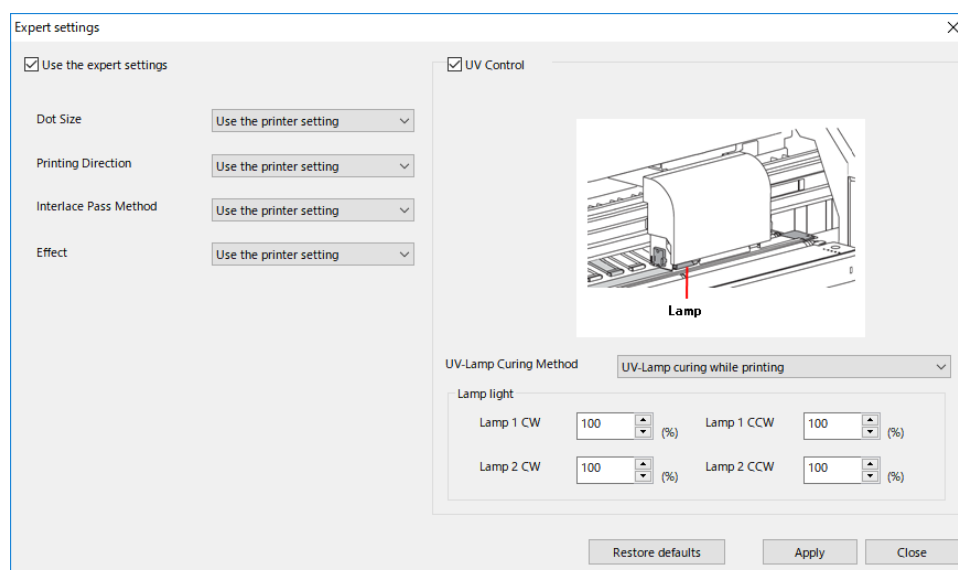
The function is available in the following single layer mode.

Model	Layer mode	
VJ-426UF / VJ-626UF VJ-626UF Rotary unit	Single layer(Unlayered Color White Varnish)	
	White Underlay(KCMYVV-on-WW)	White Overlay(WW- on- KCMYVV)
	Varnish Underlay(KCMYWW-on-VV)	Varnish Overlay(VV-on-KCMYWW)
VJ-426UF / VJ-626UF	3-layer (WW-KCMY -VV)	3-layer (KCMY-WW-KCMY)

VJ-426UF / VJ-626UF



VJ-1626UH



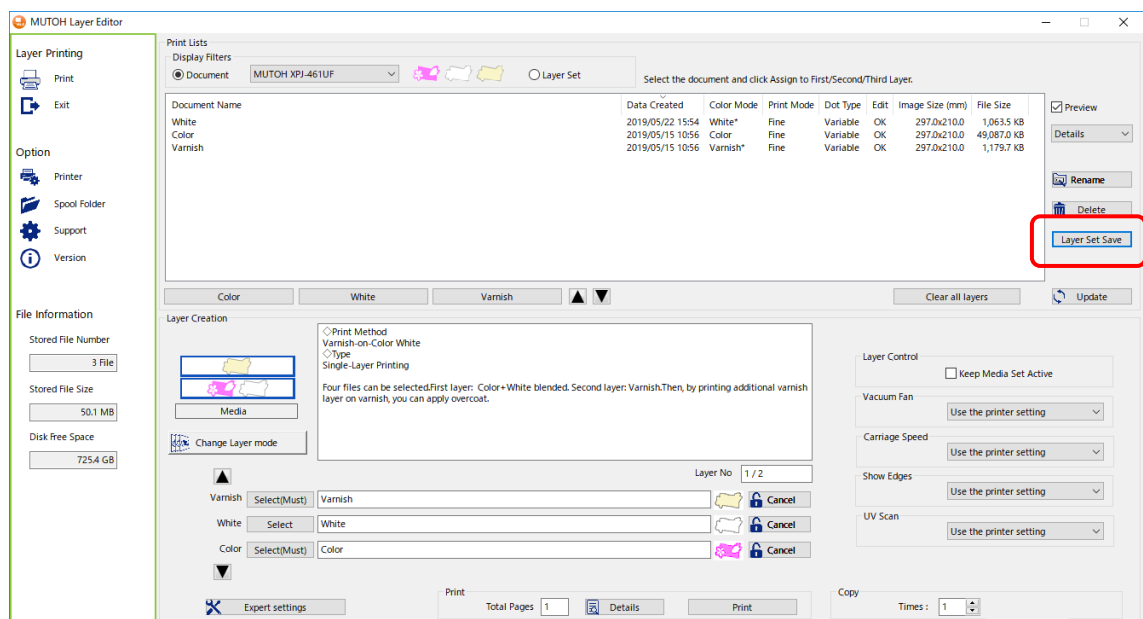
5.16. Layer Set

A layer printing job can be saved with the currently specified settings for reprint. We call this document “Layer Set”. Once saved, it will be displayed in the Documents for Print field on the main menu so that you can reprint it at any time by simply selecting from the list.

5.16.1. How to Save Layer Set

To save a layer set you just created, click **Layer Set Save**. The Layer Set Save dialog will appear to save it as specified

Main Menu



5.16.2. Save Layer Set Dialog

In the Layer Set Save dialog, the selected printer model, print method, type of layer printing, and name of the files assigned to each layer filed are displayed.
Enter a layer set name in the Layer Set field, then click **Save**.

Layer Set Save dialog

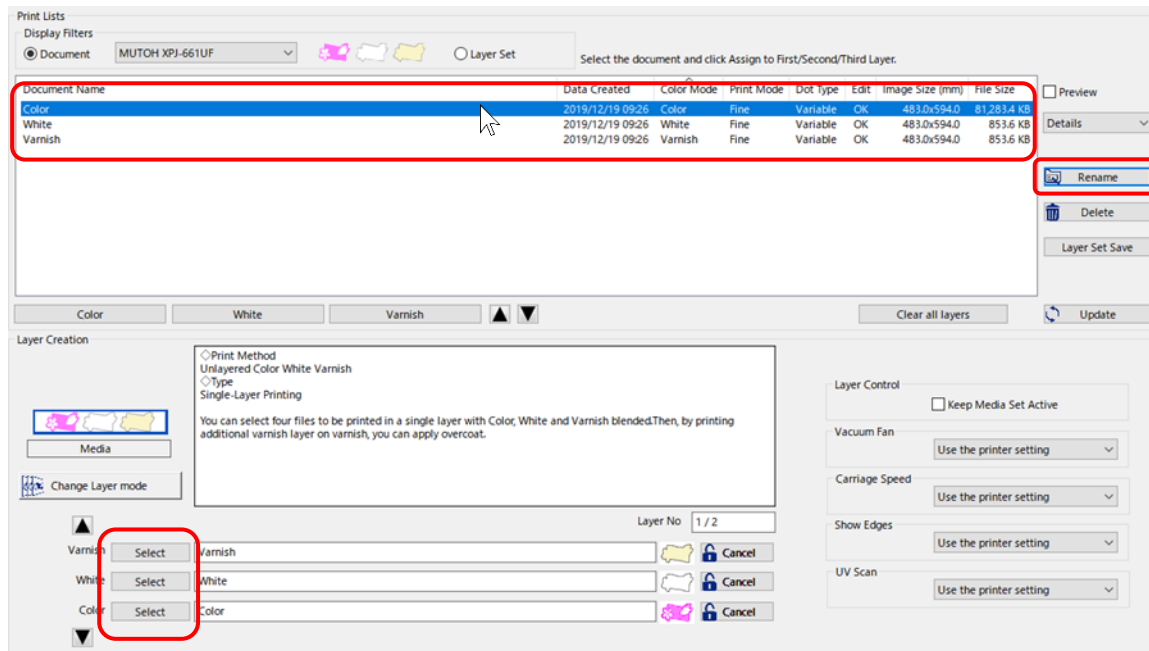
The screenshot shows the 'Layer Set Save' dialog box. At the top, there is a text field 'Enter the layer pattern name' and a checkbox 'Save the expert settings'. Below these are fields for 'Printer Model' (XPJ-461UF), 'Print Method' (Varnish-on-Color White), and 'Type' (Single-Layer Printing). A 'Layer No' indicator shows '1 / 2'. The main area contains three layer configuration rows. The first row is labeled 'First Layer' and has a text field 'Varnish', a green color swatch, and a yellow pattern swatch. The second row is labeled 'First Layer' and has a text field 'White', a blue color swatch, and a white pattern swatch. The third row is labeled 'First Layer' and has a text field 'Color', a multi-colored pattern swatch, and a pink pattern swatch. Navigation arrows and 'Save'/'Close' buttons are at the bottom.

If the type of layer printing is set to Multi-Layer Printing, you can add the Multi Strike setting to each layer in this dialog and save it.

The screenshot shows the 'Layer Set Save' dialog box with 'Type' set to 'Multi-Layer Printing'. The 'Layer No' indicator shows '1, 2, 3'. The main area contains three layer configuration rows. The top row is labeled 'Third layer' and has a text field '3rd', a black and white pattern swatch, a pink pattern swatch, and a 'Number of repeating this layer' spinner set to 1. The middle row is labeled 'Second layer' and has a text field '2nd', a black and white pattern swatch, a white pattern swatch, and a 'Number of repeating this layer' spinner set to 1. The bottom row is labeled 'First Layer' and has a text field '1st', a black and white pattern swatch, a white pattern swatch, and a 'Number of repeating this layer' spinner set to 1. Navigation arrows and 'Save'/'Close' buttons are at the bottom.

NOTE

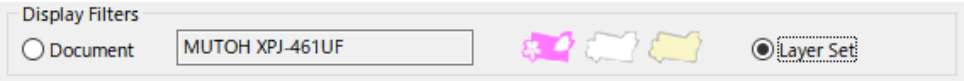
In case you have renamed a layer set, click the “Select File” “Select” button on all the layer fields where a color mode file is assigned to.



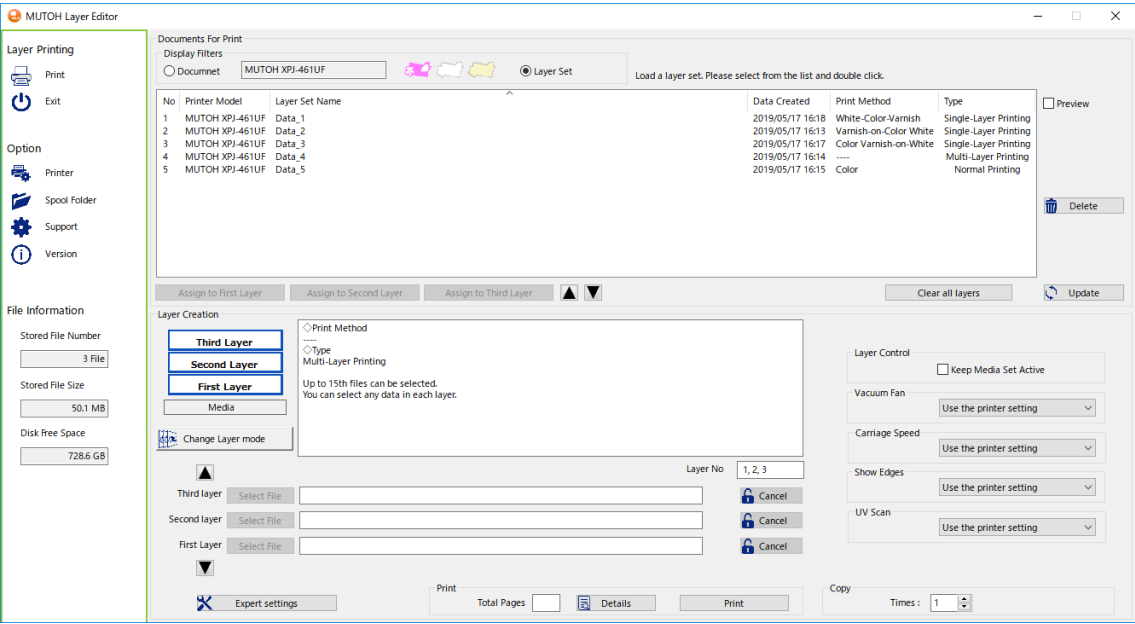
5.16.3. How to Load Layer Set for Reprint

The layer set saved in Layer Editor is displayed in the Document for Print field on the main menu.

To display a list of layer set, check **Layer Set**.



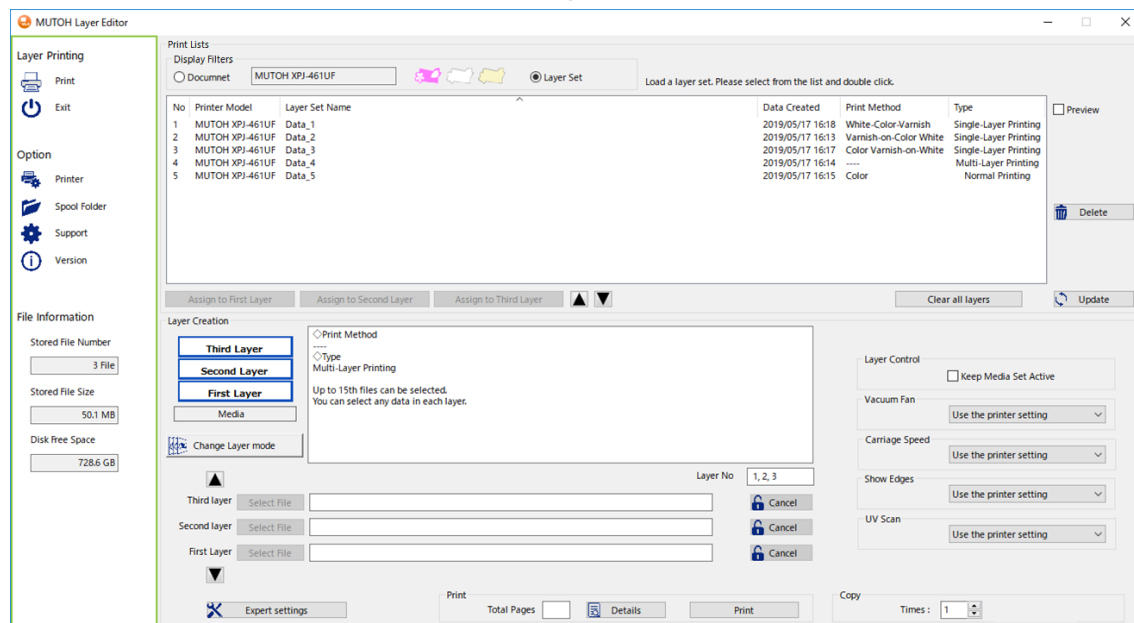
Main Menu: Layer Set



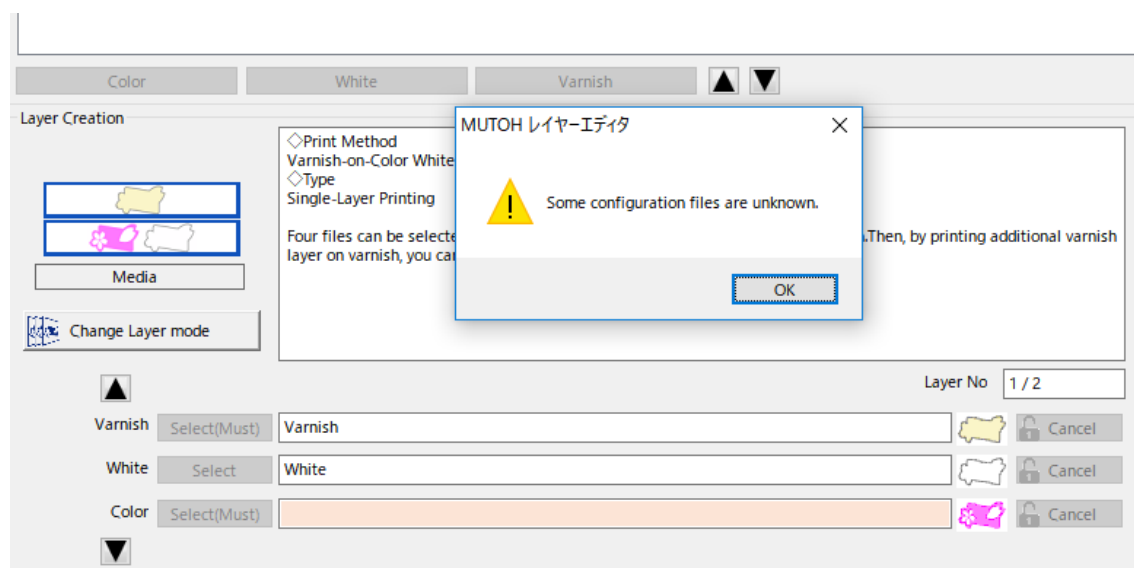
From the left: layer set number, printer model name, layer set name, date created, print method, type of layer printing will be displayed in the list. To load a layer set you want to reprint, simply double click it from the list.

No	Printer Model	Layer Set Name	Data Created	Print Method	Type
1	MUTOH XPJ-461UF	Data_1	2019/05/17 16:18	White-Color-Varnish	Single-Layer Printing
2	MUTOH XPJ-461UF	Data_2	2019/05/17 16:13	Varnish-on-Color White	Single-Layer Printing
3	MUTOH XPJ-461UF	Data_3	2019/05/17 16:17	Color Varnish-on-White	Single-Layer Printing
4	MUTOH XPJ-461UF	Data_4	2019/05/17 16:14	----	Multi-Layer Printing
5	MUTOH XPJ-461UF	Data_5	2019/05/17 16:15	Color	Normal Printing

Once double clicked, the data associated with the layer set will be loaded and the name of the print files, print method, and expert settings will appear in each field.



If some of the data is not found, the following error message will be prompted and the field where the data is missing will show in red.



6. How to Create Finishing Effects

Layer Editor enables to customize finishing effects as follows.

6.1. Repeat Specific Layer

To create embossing effect on printing or make the specific layer thicker, you can repeat printing for the specific layer.

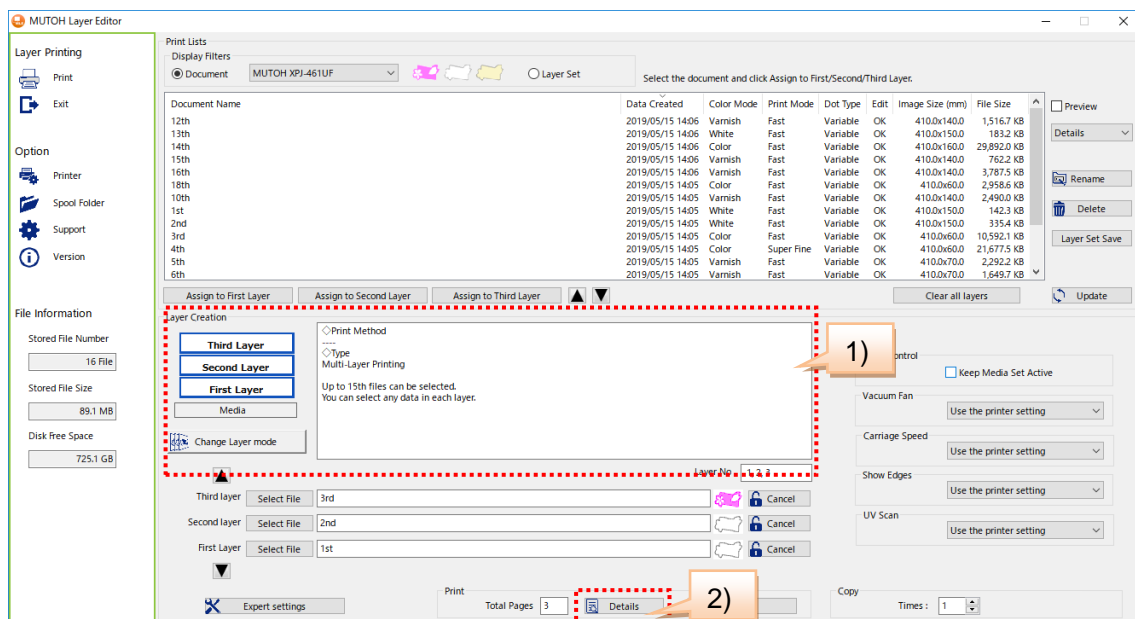
e.g.)

- Repeat the white layer to make background invisible.
- Create embossing effect with gloss varnish.

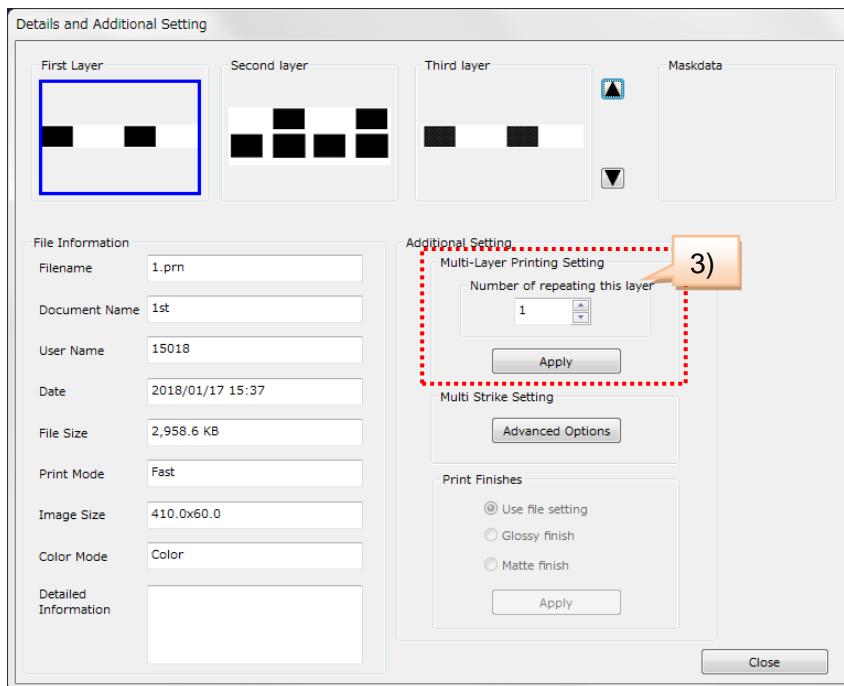
How to create:

1) Click **Change Layer mode** and select **Multi-Layer Printing**.

2) After the file is assigned to the layer, click **Details** of the layer you want to repeat printing.



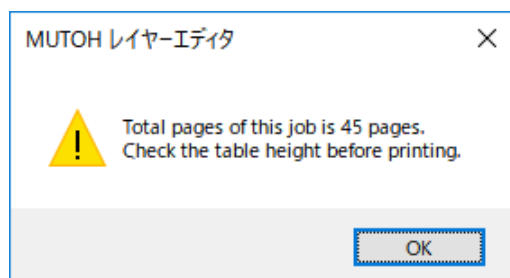
3) In the Multi-Layer Printing Setting option, specify the **Number of repeating the layer** and click **Apply**. If you have more than one layer to repeat, do the same setting for other layer. Up to 15 times can be specified to repeat each layer.



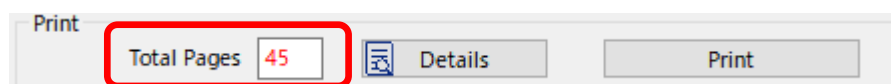
When using this function, make sure that the print does not strike the print head.

If the total pages reach 45 pages, the alert message below will appear.

Alert message



And the number of the total pages on the main menu is shown in red.



NOTE

This alert message appears to avoid head strikes while repeating the layer.

6.2. Glossy Finish

Using varnish, this function applies glossy finish to the data with varnish mode.

Follow the instructions below to create data.

To apply glossy finish to the entire image, use an image that has color across the image.

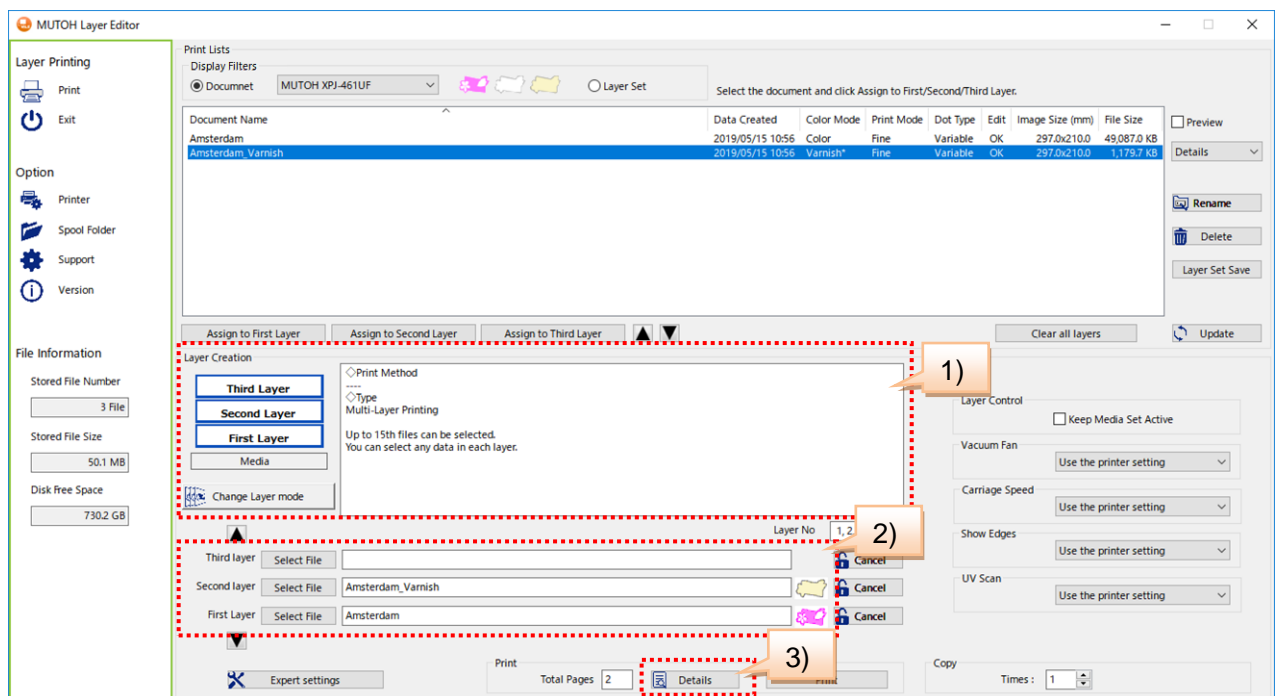


To apply glossy finish to the specific area, use an image that has color in the specific area.

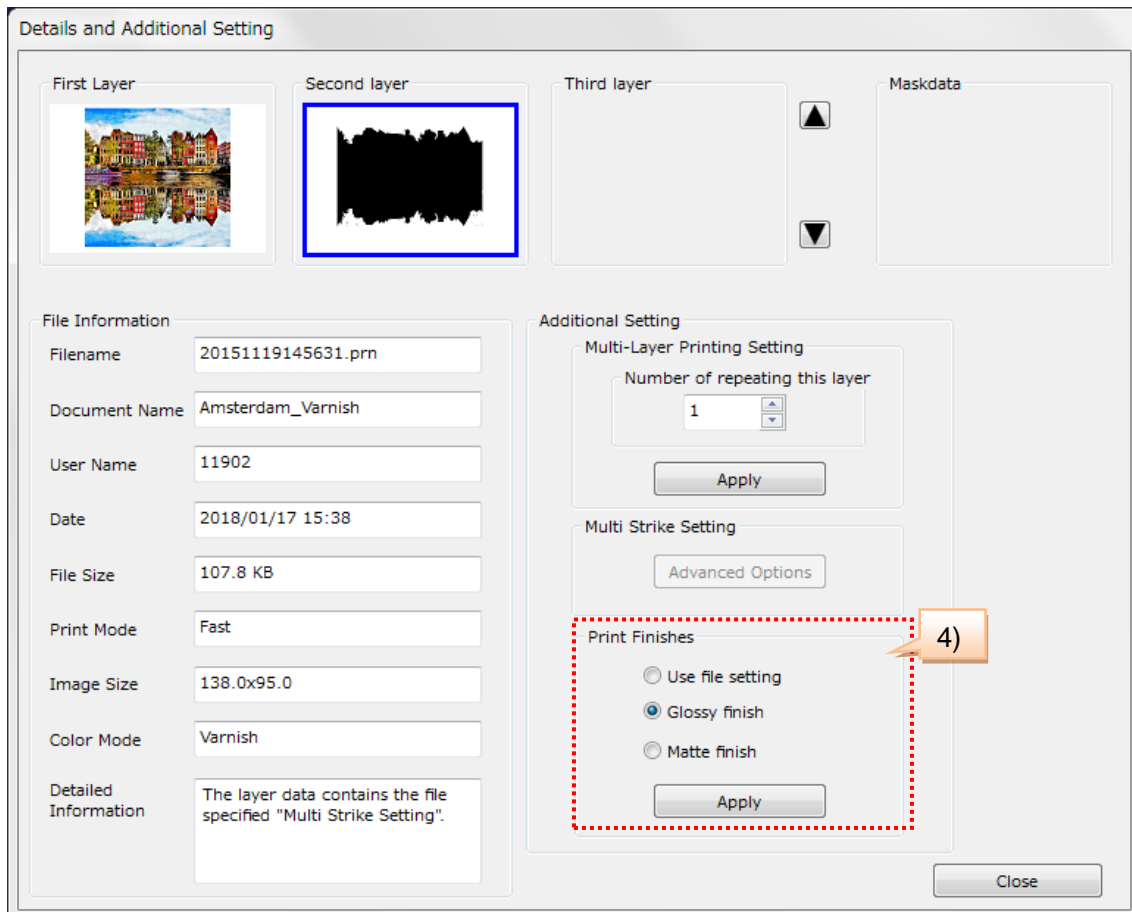


How to create:

- 1) Click **Change Layer mode** to select Multi-Layer Printing.
- 2) Assign a varnish file to the layer you want.
- 3) Click **Details** to open the Details and Additional Setting dialog.



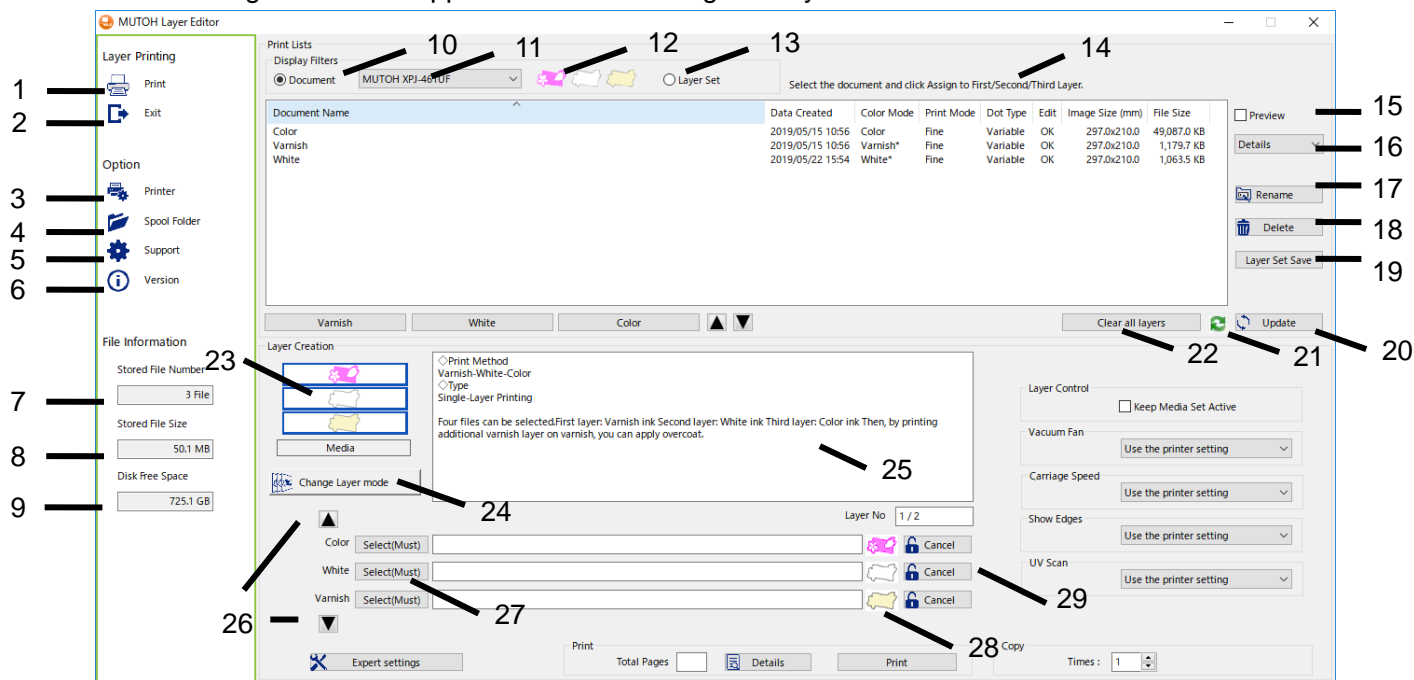
- 4) Click on the varnish file from the image preview. Check **Glossy finish** in the Print Finishes option and click **Apply**.




7. Menus

7.1. Main Menu (1)

The following main menu appears when launching the Layer Editor.



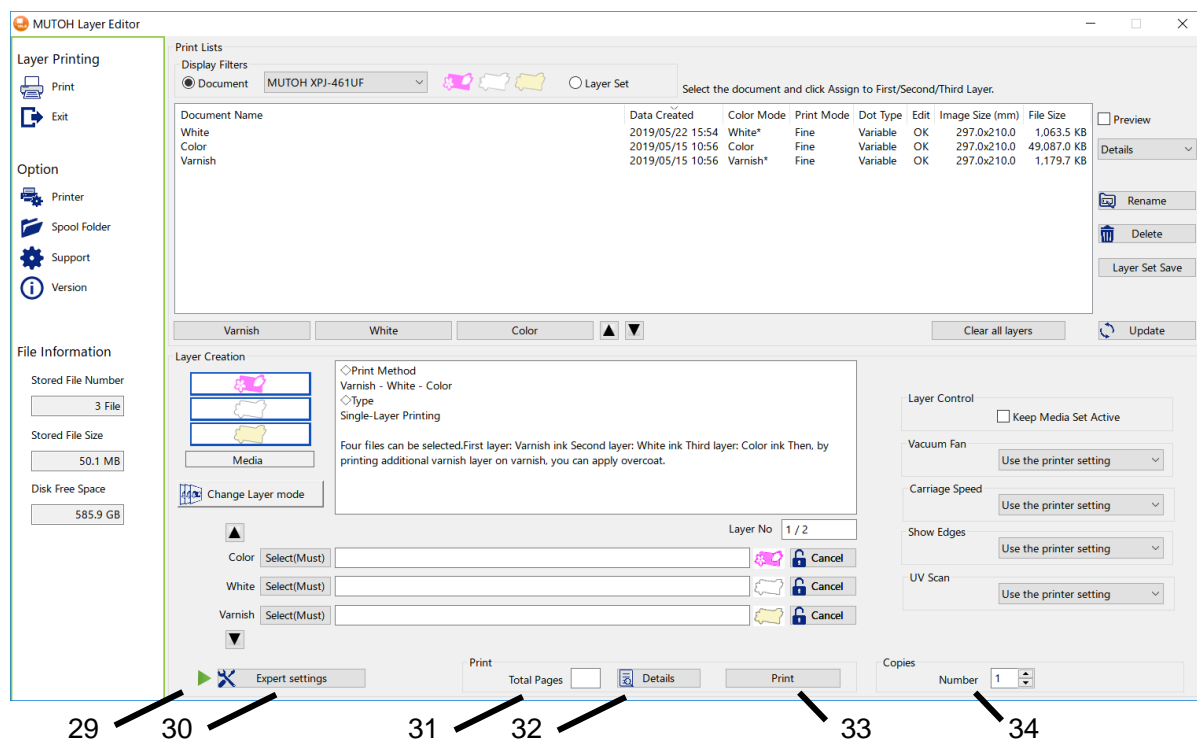
No.	Name	Contents
1	Print	Start printing.
2	Exit	Exit the Layer Editor.
3	Printer	Displays the Printer Selection dialog.
4	Spool Folder	Displays the Spool Folder dialog to change the location.
5	Support	Displays the Support menu.
6	Version	Displays the version of the Layer Editor being used.
7	Stored Files	Displays numbers of print file on the list.(*1)
8	Stored File Size	Displays total print file size on the list.(*1)
9	Disk Free Space	Displays free space on the hard disk.
10	Document	Check this box to display print data for the selected printer model in the list.
11	Data Filter	Choose from the drop-down list to refine print data to be displayed in the list. If the printer model currently chosen is selected, print data for the selected printer model will be displayed in the list. If "Display All Documents" is selected, print data for all printer models will be displayed.

No.	Name	Contents
12	Color Icon	Displays color icons for your selected model.
13	Layer Set	Check this box to display Layer Set saved in Layer Editor in the list.
14	Assign Method Explanation	Explains the method to assign print data from the list to the layer field.
15	Preview	Show the image preview of the print data being selected on the list.
16	Details/ Icon	Switch the print data list between Details and Icon.
17	Rename	Rename the print data selected on the list.
18	Delete	Delete the file being selected on the list.
19	Layer Set Save	Open the Layer Set Save dialog.
20	Update	Update the print data list. This list is updated when clicking on this Update button or launching the Layer Editor.
21	Update Icon	 When new print data is added to the spool folder, the Update icon appears.
22	Clear all layers	Clear all the print files assigned to the layer field.
23	Layer Mode Icon	Indicates the selected layer mode by icons.
24	Change Layer Mode	Go to the Select Layer Mode menu.
25	Layer Mode Description	Describes the selected layer mode function.
26	▲▼	Click ▲ or ▼ arrow to switch layers in 3 layer increments.
27	Select File	Assign the selected file to the layer.
28	Color Icon	Displays the color to be assigned to each layer with an icon.
29	Cancel	Cancel the file being assigned.

NOTE

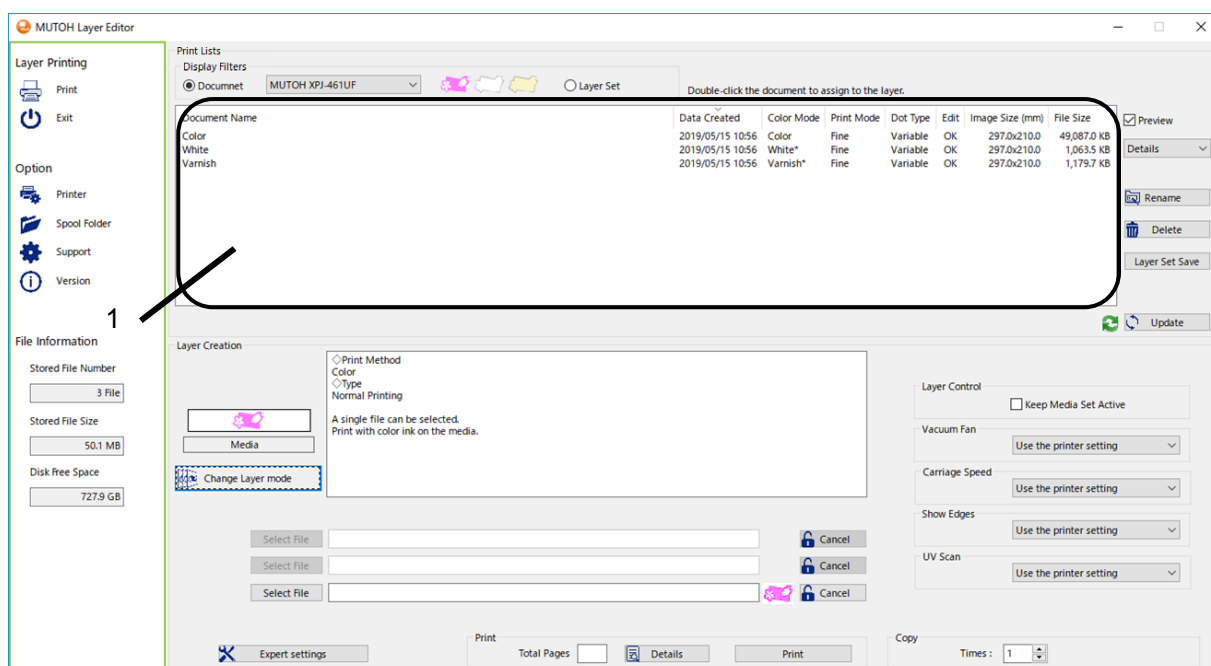
(*1) When the display filtering (No.11) is enabled, number of stored files and stored file size for the selected model are displayed. To check the number of files stored and file size for all printer models, select **Display All Documents** from the dropdown list.

7.2. Main Menu (2)



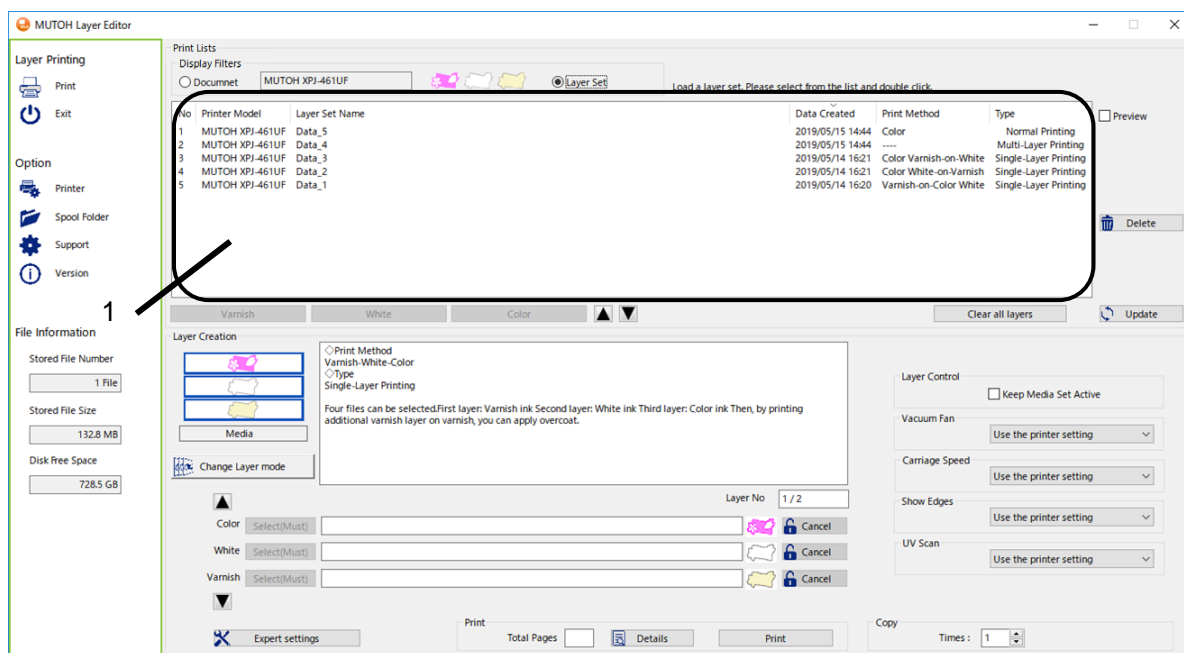
番号	名称	内容
29	Expert settings icon	The green arrow icon appears when the expert settings is enabled.
30	Expert settings	Open the Expert Settings dialog.
31	Total Pages	Displays number of pages to be printed.
32	Details	Displays the file information of each layer and additional setting dialog.
33	Print	Start printing.
34	Times	Enter the number of copies you want to print.

7.3. Main Menu (3) Display Filters > Document



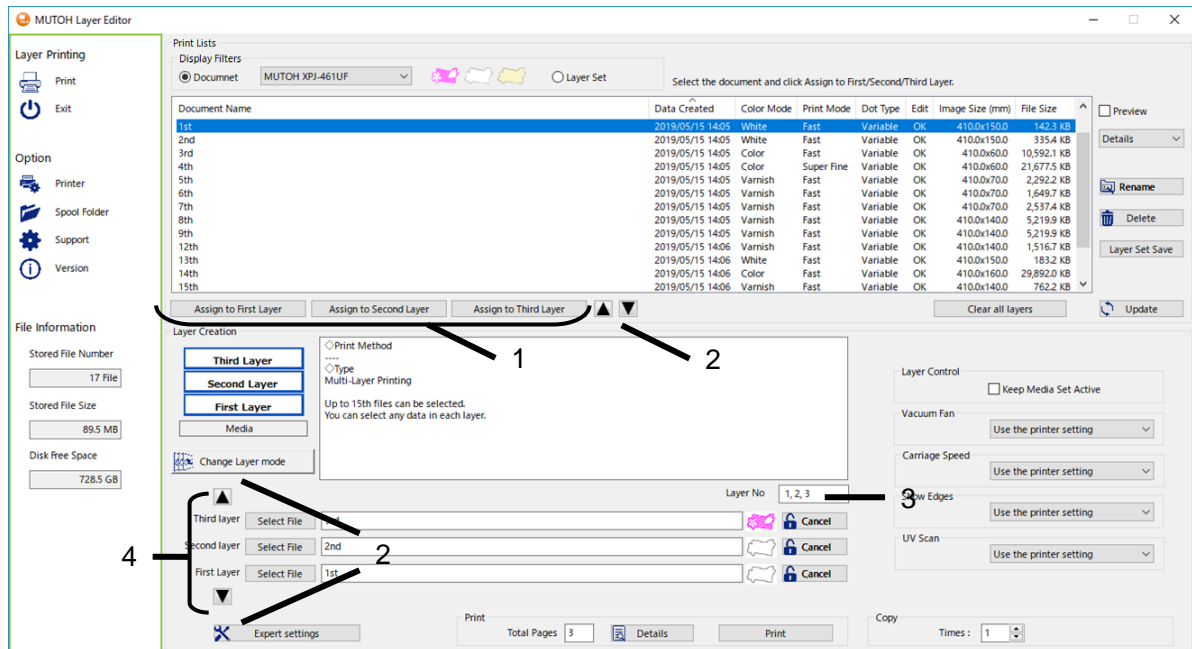
No.	Name	Contents
1	Document Name	Displays the name of the print data. To rename the data, click Rename .
	Data Created	Displays the date created the print data.
	Color Mode	Displays the color of the print data. Following colors are displayed:
	Print Mode	Displays the print mode of the print data. Fine, Fast, Super Fine or Print Quality will be displayed.
	Dot Type	Displays the dot type of the imported print file. While converting, its original dot type appears. If no data error is detected, the word 'Variable' appears after data conversion.
	Edit	Displays the determination results if the color mode edit function is available for the imported print file. While determining, the mark '-' appears. After determining, the message 'OK' or 'NG' appears.
	Image Size	Displays the image size of the print data.
	File Size	Displays the file size of the print data.

7.4. Main Menu (4) Display Filters > Layer Set



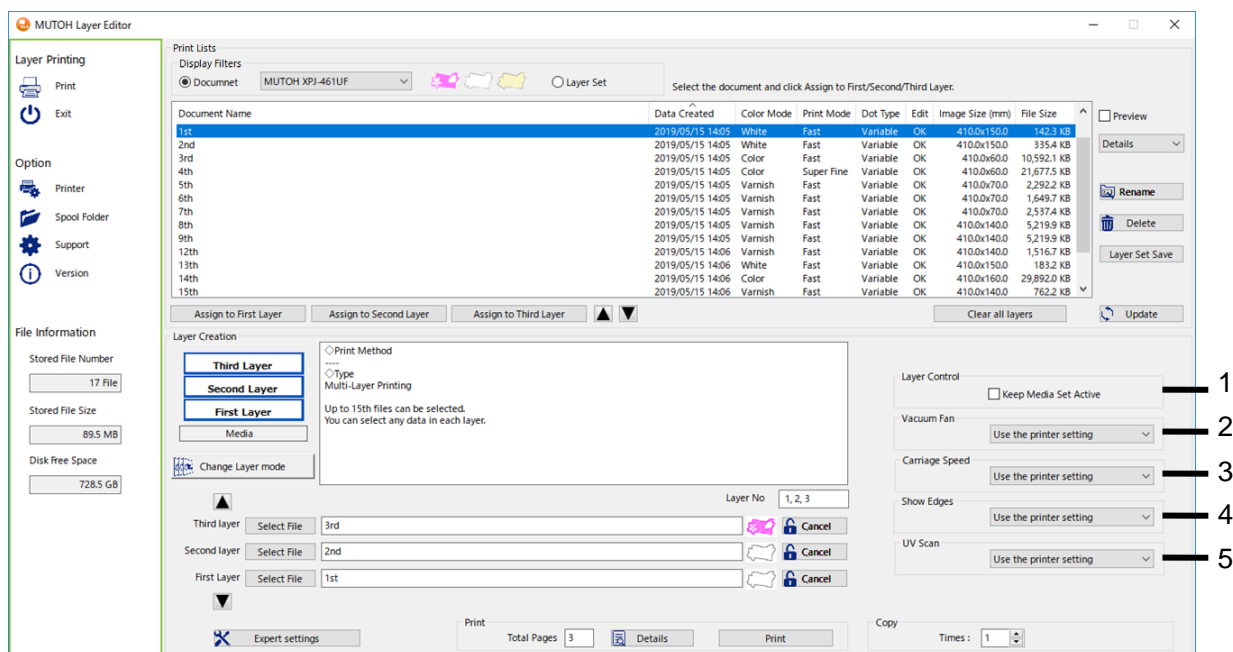
No.	Name	Contents
1	No	Displays the layer set number.
	Printer Model	Displays the printer model to print the layer set.
	Layer Set Name	Displays the name of the lay set.
	Data Created	Displays the date created the layer set.
	Print Method	Displays the print method of the layer set.
	Type	Displays the types of layer printing set to the layer set.

7.5. Main Menu (5) Display Filters > Document, Multi-layer Printing



No.	Name	Contents
1	Assign to 1 st Layer (4 th , 7 th , 10 th , 13 th)	Assign the selected file on the Print Data List to the 1 st to 15 th layer. Use ▲ ▼ arrows to switch layers.
	Assign to 2 nd Layer (5 th , 8 th , 11 th , 14 th)	
	Assign to 3 rd Layer (6 th , 9 th , 12 th , 15 th)	
2	▲ ▼	Click ▲ or ▼ arrow to switch layers in 3 layer increments.
3	Layer No	Shows the number of layer currently displayed (from No.1 to No.15 in 3 layer increments).
4	1 st Layer (4 th , 7 th , 10 th , 13 th)	Displays the selected layers.
	2 nd Layer (5 th , 8 th , 11 th , 14 th)	
	3 rd Layer (6 th , 9 th , 12 th , 15 th)	

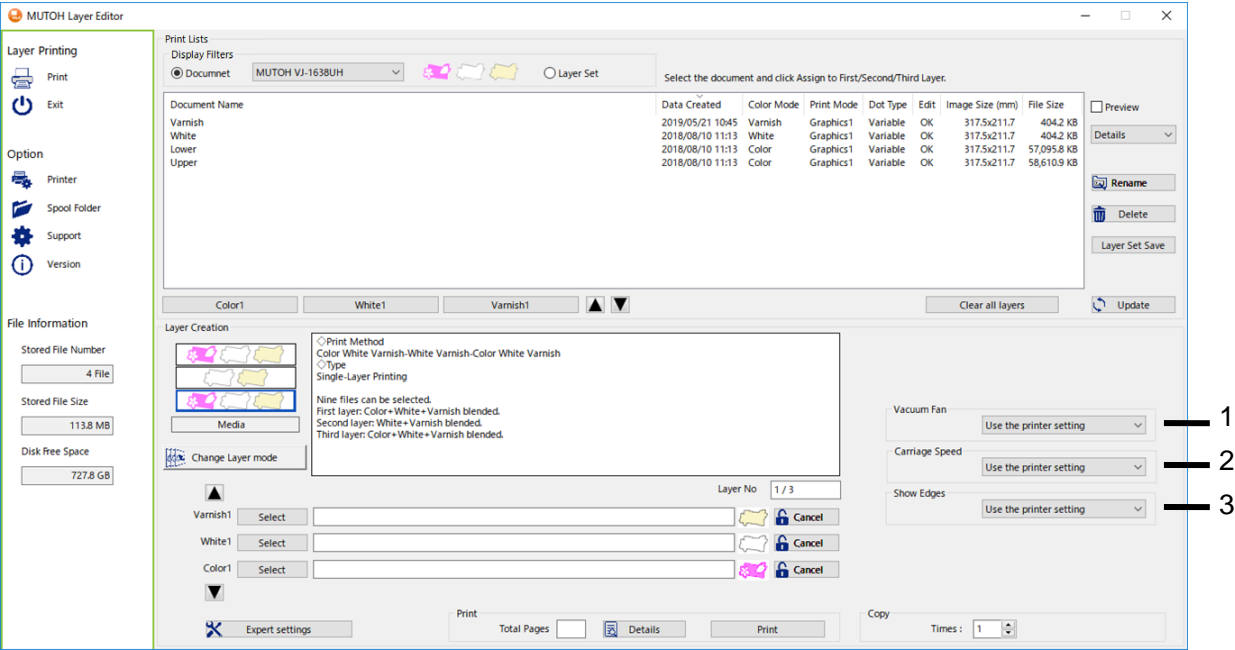
7.6. Main Menu (6) Option for XPJ-461UF / XPJ-661UF / VJ-426UF / VJ-626UF



No.	Name	Contents
1	Layer Control Keep Media Set Active	Check the box to keep printing several files on the same media without releasing the media. Uncheck the box to release a media after printing.
2	Vacuum Fan	Specify the vacuum fan mode to make media sit flat on the table.
	Options	Use the printer setting
		High
		Medium-High
		Medium
		Low
		Off

No.	Name	Contents	
3	Carriage Speed	Specify the printing speed. When printing on non-flat objects (golf ball, pen, smart phone case, etc.), use this function to optimize the print quality.	
		Options	Use the printer setting
			100% No change in the printing speed.
			50% Reduce the print speed to 50%
			25% Reduce the print speed to 25%.
4	UV Scan	Specify the number of UV reciprocating scanning per inch.	
		Options	Use the printer setting
			2
			4
			8
5	Show Edges	Specify how to indicate printing area with LED pointer before printing.	
		Options	Use the printer setting
			Off Start printing without indicating the printing area.
			Auto LED pointer indicates the printing area without user confirmation.
			Step LED pointer indicates the printing area. User needs to press Enter key to move the LED pointer to the next point.

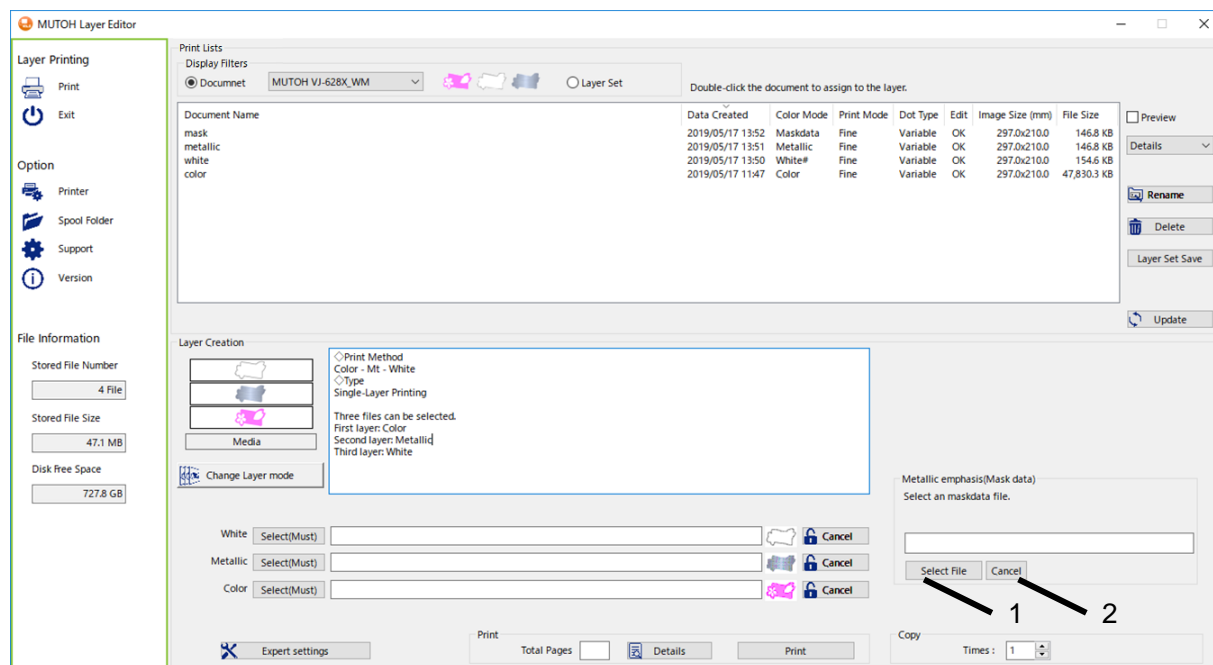
7.7. Main Menu (7) Option for VJ-1638UH / VJ-1638UR / VJ-1626UH



No.	Name	Contents	
1	Vacuum Fan	Specify the vacuum fan mode. When using thin or soft media, use Low setting to optimize the suction and prevent wrinkle on the media.	
		Options	Use the printer setting
			High
			Medium
			Low
			Off

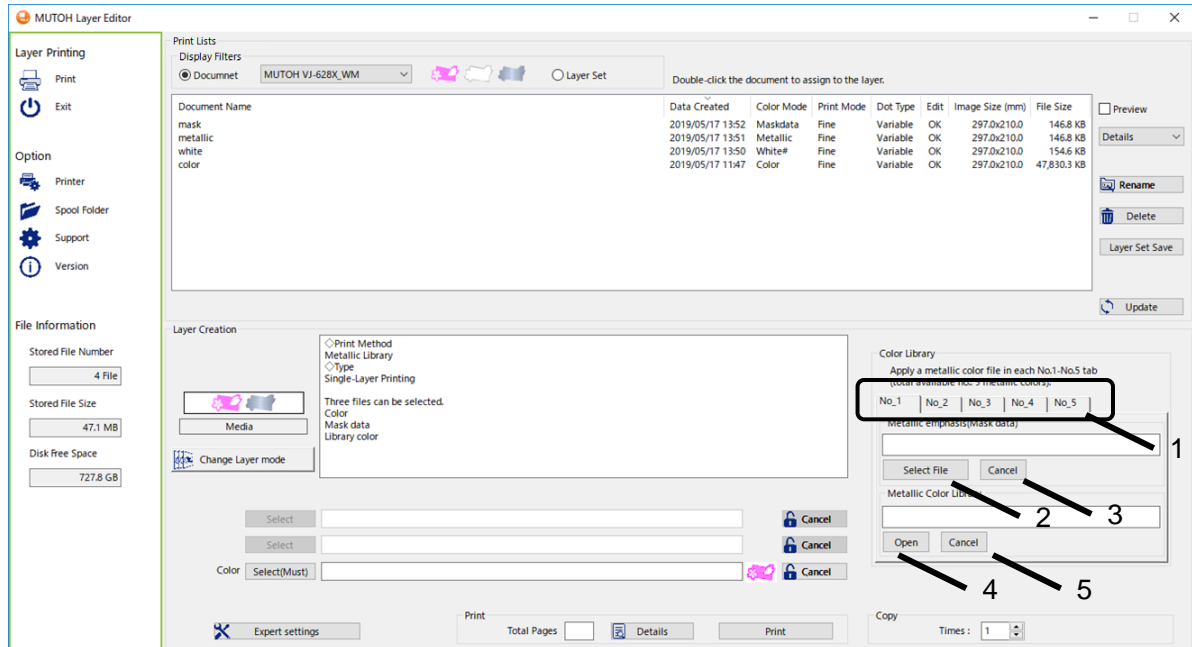
No.	Name	Contents		
2	Carriage Speed	Specify the printing speed.		
		Model	VJ-1626UH VJ-1638UR	VJ-1638UH
		Options	Use the printer setting	
			High	420cps
			Low	320cps
				160cps
				80cps
3	Show Edges	Specify how to indicate printing area with LED pointer before printing.		
		Model	VJ-1626UH VJ-1638UH	
		Options	Use the printer setting	
			Off	Start printing without indicating the printing area.
			Auto	LED pointer indicates the printing area without user confirmation.
			Step	LED pointer indicates the printing area. User needs to press Enter key to move the LED pointer to the next point.

7.8. Main Menu (8) Option for VJ-628X / VJ-1628X in 8-color configuration



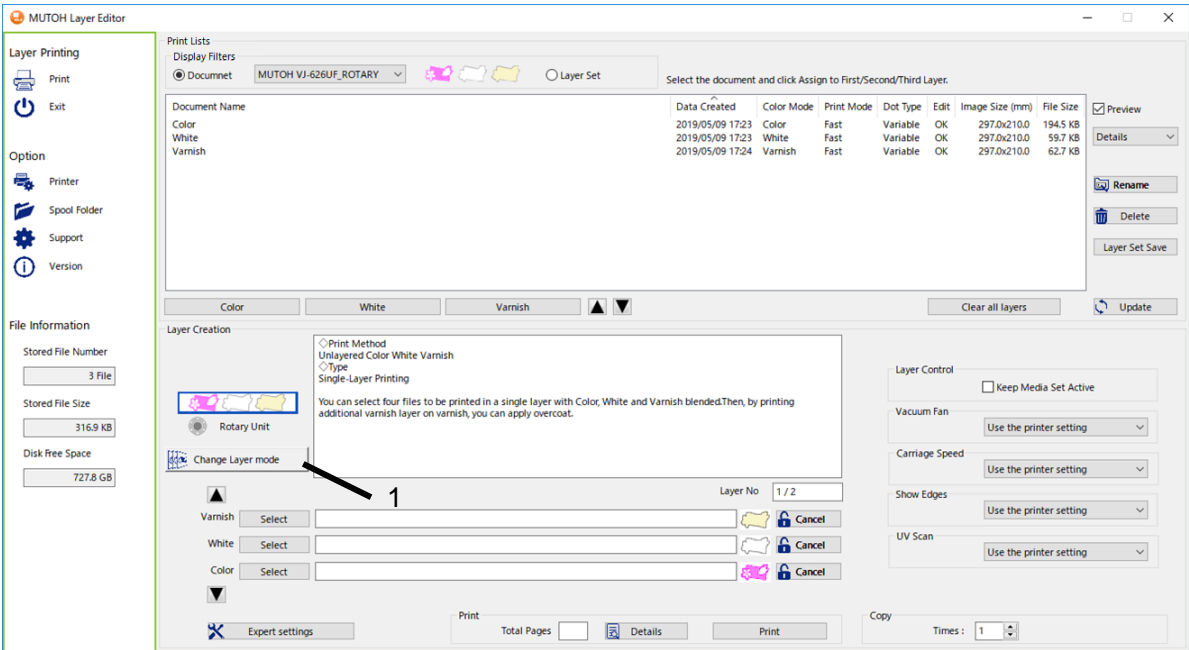
No.	Name	Contents
1	Select File	This option is enabled when single layer-printing with metallic ink is selected. Select a mask data file from the list.
2	Cancel	Cancel the mask data file being assigned.

7.9. Main Menu (9) Metallic Library for VJ-628X / VJ-1628X in 8-color configuration



No.	Name	Contents
1	Metallic Color File Tabs	Apply a metallic color file in each No.1 to No.5 tab. Up to 5 metallic color files can be specified.
2	Select File	Select a mask data file from the list.
3	Cancel	Cancel the mask data file being assigned.
4	Open	Open the color file selection dialog to select a metallic color file.
5	Cancel	Cancel the metallic color file being assigned.

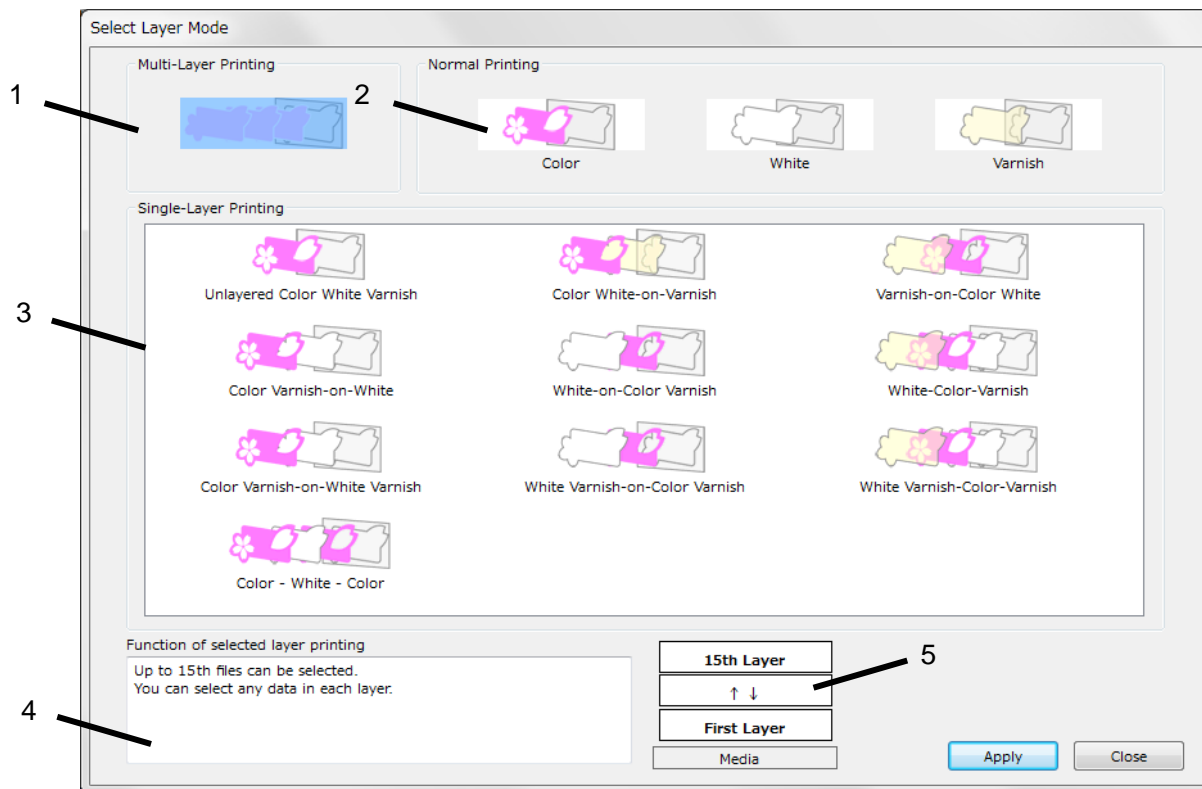
7.10. Main Menu (10)XPJ-661UF / VJ-626UF Rotary Unit



No.	Name	Contents
1	Layer mode icon (Only for Rotary Unit)	When XPJ-661UF VJ-626UF Rotary Unit is available, a Rotary Unit icon is displayed on the main menu.

7.11. Select Layer Mode

Select the layer mode and the layer type.



No	Name	Contents
1	Multi-Layer Printing	Select the layer mode and layer type you want to use. Click Apply to reflect this setting.
2	Normal Printing	
3	Single-Layer Printing	
4	Functional description	Displays the functional description of selected mode.
5	Layer Configuration	Illustrates the selected layer mode configuration.

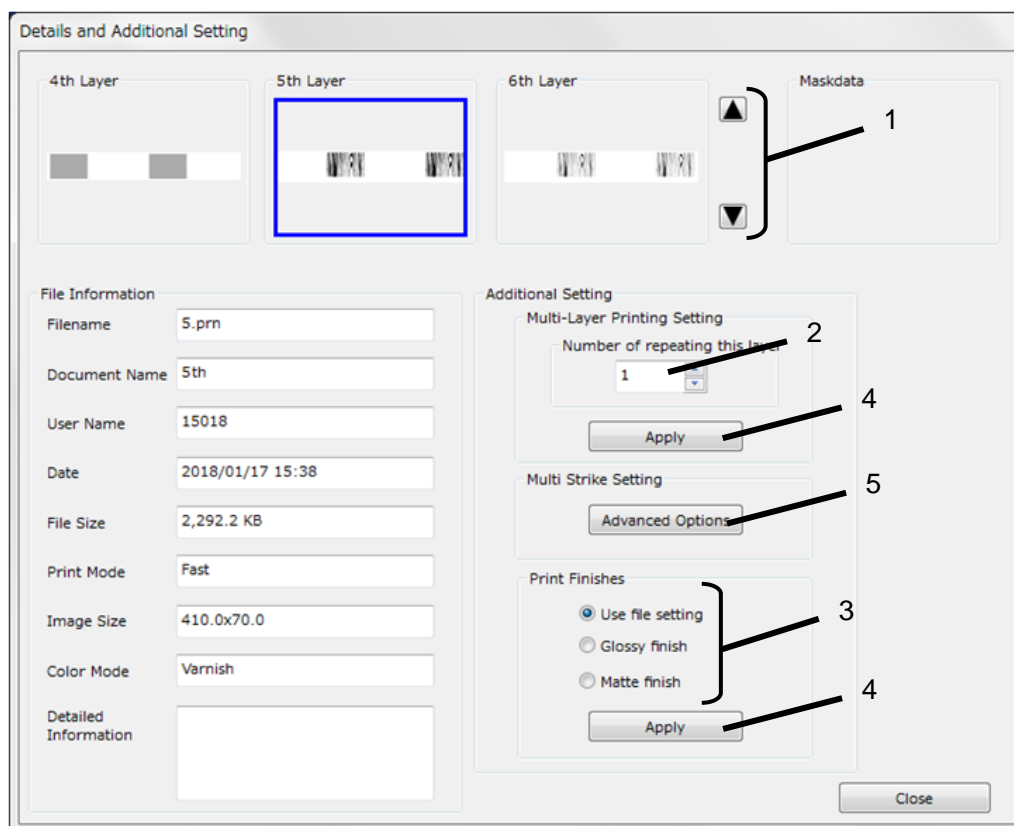
7.12. Details and Additional Setting

This menu displays the details of the selected file.

You can go to the Advanced Options in the Multi Strike Setting to customize the finishing effects.



No	Name	Contents
1	Layer Image Preview	Displays the image preview of the print data assigned to 1 st to 3 rd layers and mask data. Click on the image preview to display the file information of the print data.
2	File Information	Displays the file information.
3	Select Mask Data	When the Metallic Library mode is selected, select the tab No. (1-5) from the drop-down list to display the image preview of the data.



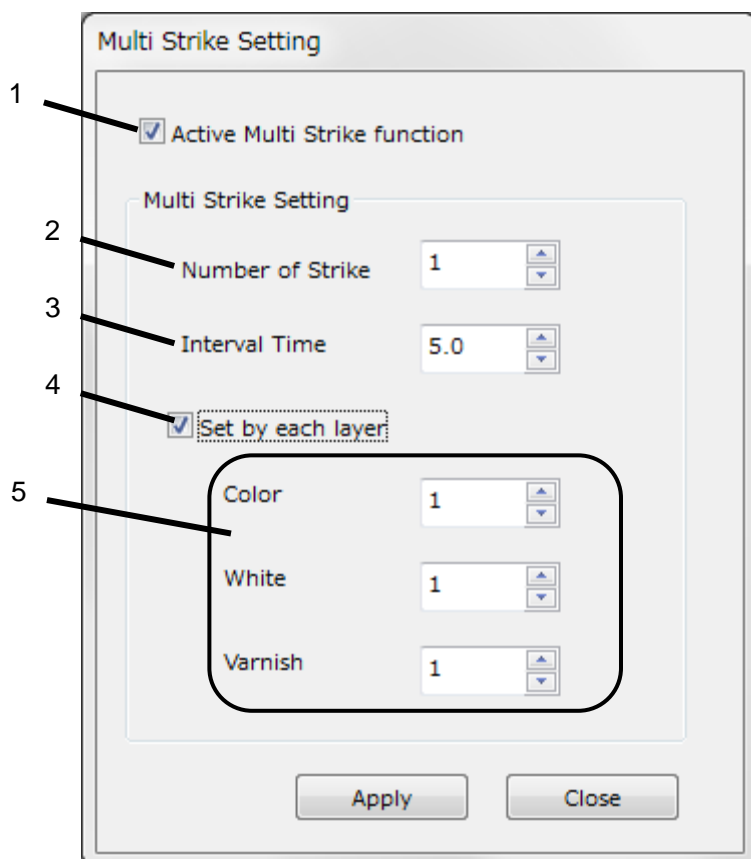
No.	Name	Contents
1	▲ ▼	Switch layers in 3 layer increments.
2	Multi-Layer Printing Setting	Set the number of repeating to print the selected layer up to 15.
3	Use file setting	Available in Multi-Layer Printing mode. This option is enabled when a varnish file is selected to specify print finishes.
	Glossy finish	
	Matte finish	
4	Apply	Apply the No.2 (Number of repeating this layer) and No.3 (Print Finishes) settings specified in this dialog.
5	Advanced Options	Go to the Multi Strike Setting menu.

NOTE

The Multi Strike setting from the driver has priority. If the file contains the Multi Strike setting, the Multi Strike Setting menu in Layer Editor is not available.

7.13. Multi Strike Setting

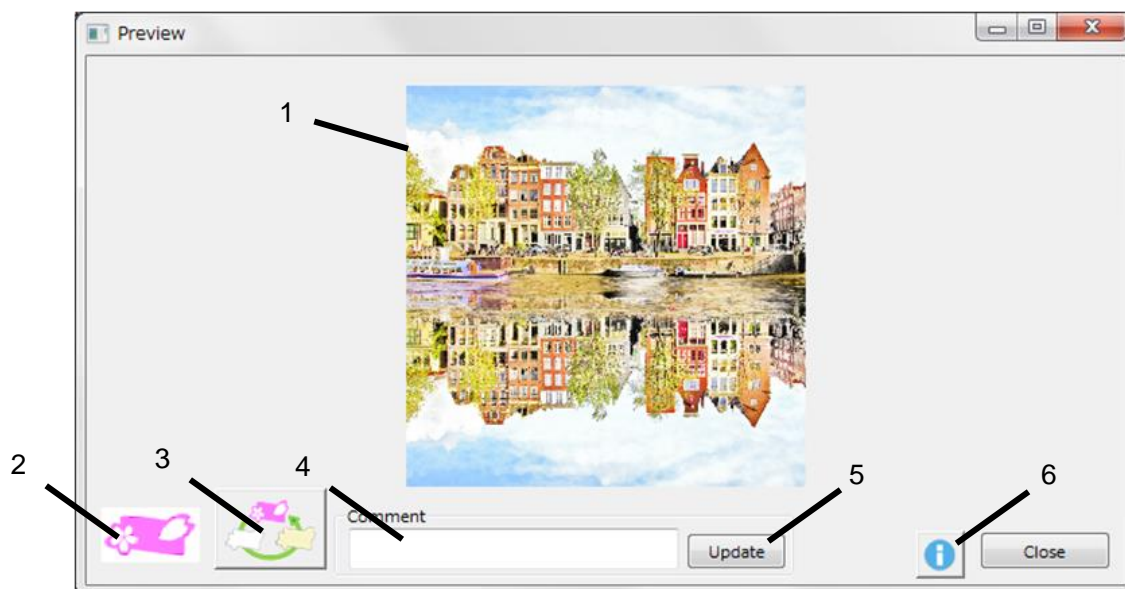
Use this overprinting function to darken the printing.



No.	Name	Contents
1	Active Multi Strike function	Check the box if you want to set the Multi Strike setting such as Number of Strike or Interval Time.
2	Number of Strike	Set the number of strike.
3	Interval Time	Set the interval time between strikes for drying.
4	Set by each layer	Check the box if you want to set the number of strike by each layer in the single-layer printing.
5	Color	Set the number of strike by each layer.
	White	
	Varnish	

7.14. Show Image Preview

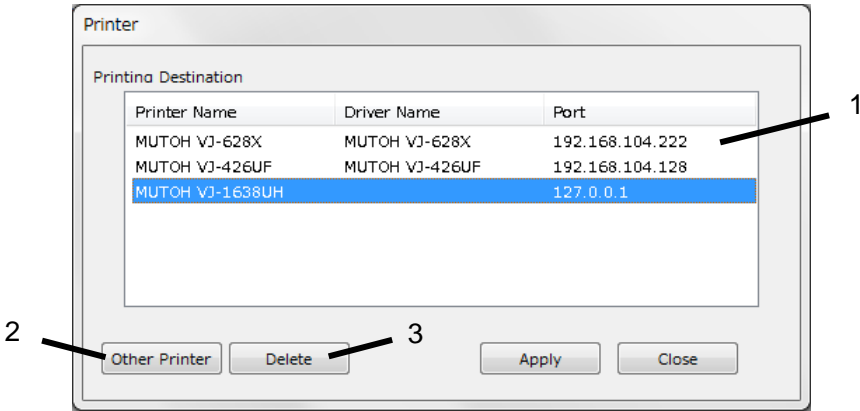
Show the image preview of the print data being selected on the list.



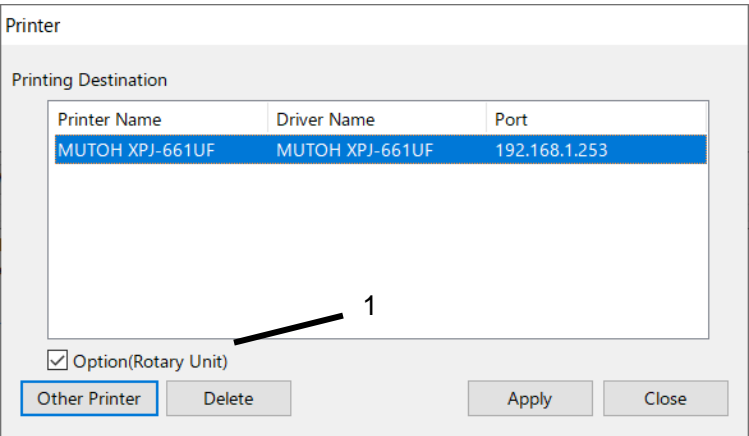
No.	Name	Contents
1	Image Preview	Show the image preview of the print data being selected on the list.
2	Color Icon	Displays the color of the print data with an icon.
3	Color Mode Edit	Open the Color Mode Edit dialog.
4	Comment	Comment on the print data. When rewriting the comment, click Update to save the new comment.
5	Update	Save the new comment.
6	File Information	Open the File Information dialog.

7.15. Printer Selection

Select the printer to be used.



No	Name	Contents
1	List of Printers	Select the printer from the list.
2	Other Printer	Open the Other Printer dialog.
3	Delete	Delete the port number specified in the Other Printer dialog.



No	Name	Contents
1	Option(Rotary Unit)	Displays when XPJ-661UF / VJ-626UF is selected from the Printer Selection dialog.If you print with Rotary Unit, click the check box.

NOTE

This section refers to the printer driver setting.
To change the port setting (IP address) of the printer driver, update from the printer driver.
For more details, see the Printer Driver User's Guide.

7.16. Other Printer

Specify the IP address for all models.

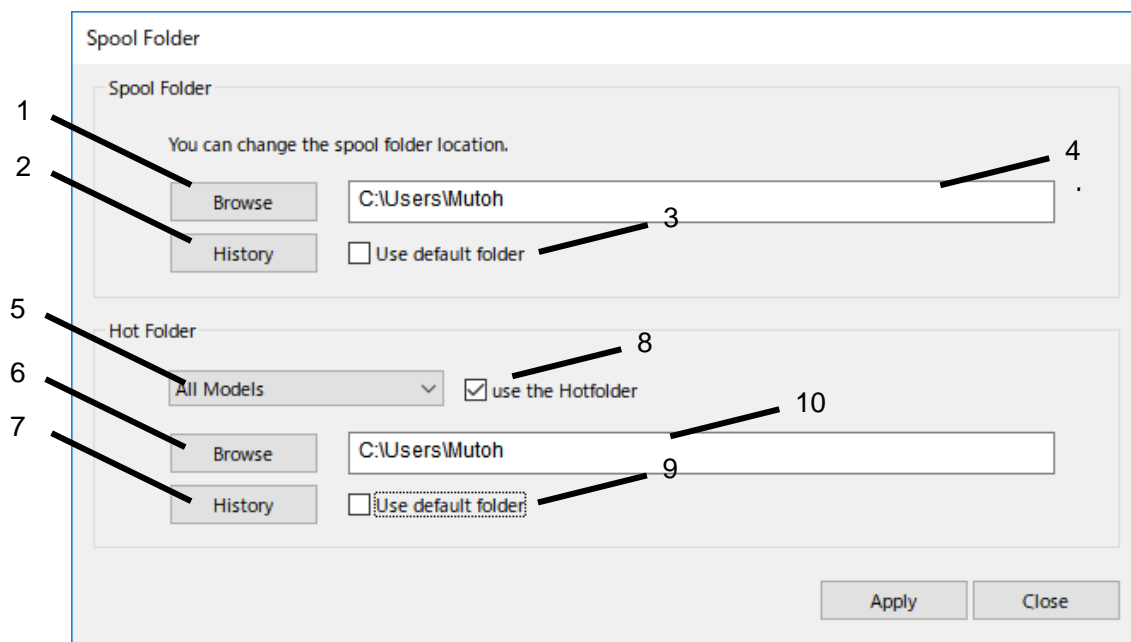
The screenshot shows a dialog box titled "Other Printer" with a close button (X) in the top right corner. Inside the dialog, there are two main input fields: "Printer Name" and "IP Address". The "Printer Name" field is a dropdown menu currently showing "MUTOH VJ-1638UH". The "IP Address" field is a text box containing "127 . 0 . 0 . 1". Below these fields are two buttons: "Add" and "Close". Two arrows, labeled "1" and "2", point to the "Printer Name" and "IP Address" fields respectively.

No	Name	Contents
1	Printer Name	Select the VJ printer to be used in LayerEditor from the drop-down list.
2	IP Address	Enter the IP address.

7.17. Spool Folder

By default, the spool folder is located under User folder in Windows.

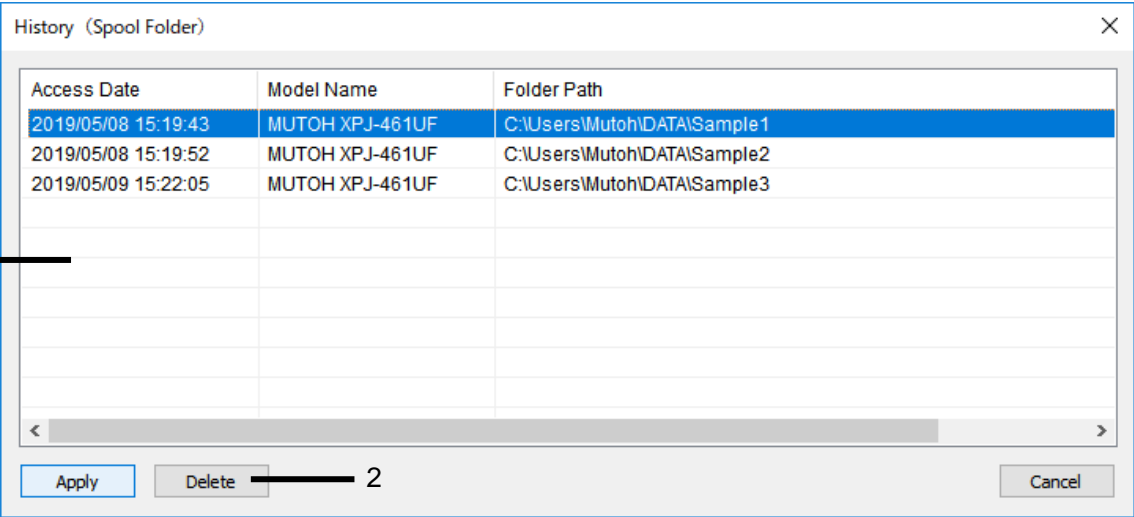
If you want to store larger amounts of data, change the spool folder location to other hard disk drive that has sufficient free disk space.



No	Name	Contents
1	Browse	Uncheck the Use default folder box and the Browse button becomes active to change the spool folder location.
2	History	Open the History (Spool Folder) dialog.
3	Use default folder	Check the box to return to the default location.
4	Location	Displays the current folder name.
5	Printer Model	Select the printer model to use the hot folder. (VJ-1638UH is only option with Ver.4.0.0.)
6	Browse	Uncheck the Use default folder box and the Browse button becomes active to change the hot folder location.
7	Use default folder	Check the box to use the default folder.
8	Use the Hotfolder	Check the box to use the hot folder.
9	History	Open the History (Hot Folder) dialog.
10	Folder Path	Displays the current hot folder location.

7.18. History

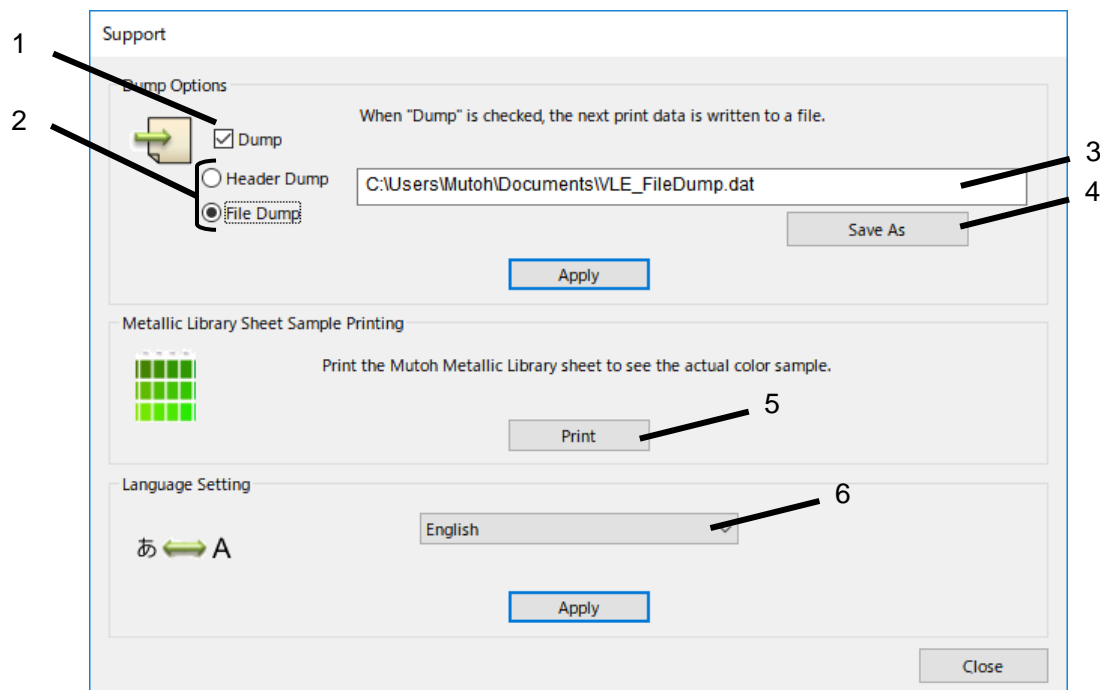
Displays the history of folder path to the spool folder and hot folder.



No	Name	Contents
1	Access Date	Displays the date and time the folder was created.
	Model Name	Displays the name of the printer model chosen when the folder was created.
	Folder Path	Displays the location of the folder.
2	Delete	Delete the folder path currently selected.

7.19. Support

Specify the dump setting for the next print job and print the Mutoh Metallic Library sheet to check the actual color sample.



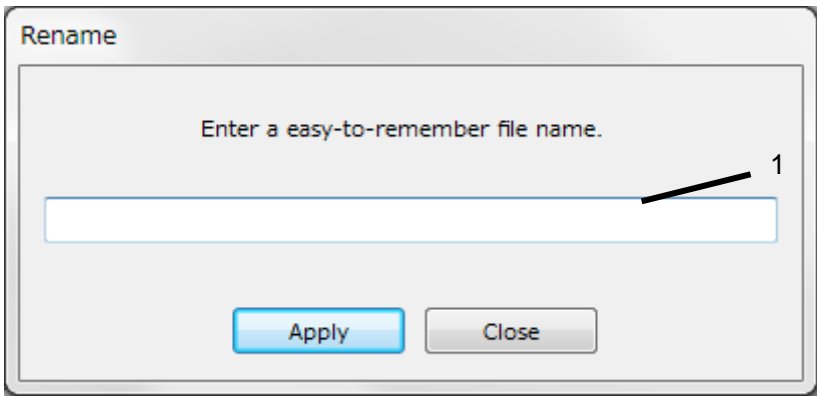
No.	Name	Contents
1	Dump Checkbox	Check Dump to enable dump function.
2	Header Dump	Write the header dump (command line) of the print data to the file.
	File Dump	Write the dump of print data to the file.
3	Dump File Path	Displays the dump file path.
4	Save As	Open the Save As dialog to rename the file.
5	Print	Print the Mutoh Metallic Library sheet. (*1)
6	Language Setting	Choose the language from Japanese, English, German, Spanish, Italian, French, Dutch, and Portuguese.

NOTE

(*1) The Mutoh Metallic Library sheet can be printed when VJ-628X is selected with 8-color ink configuration from the Printer Selection dialog.

7.20. **Rename**

You can rename the print data on the list if needed.



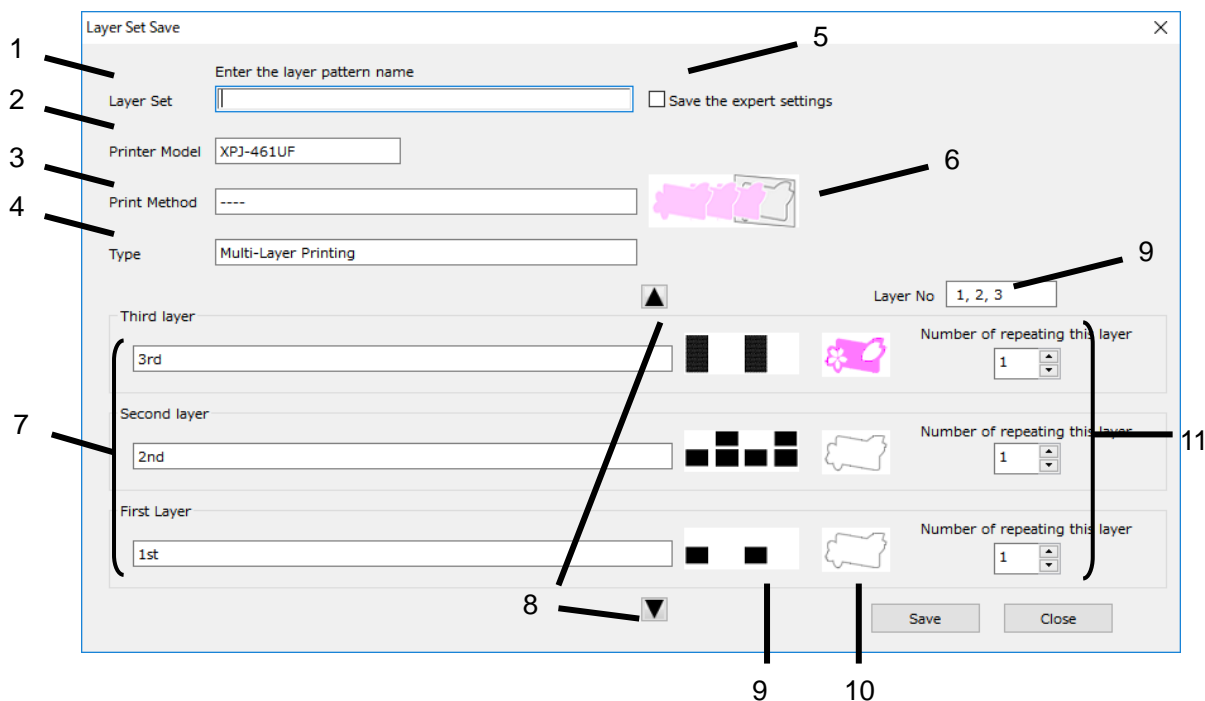
No.	Name	Contents
1	File name entry field	Enter a new file name.

NOTE

When many files are listed on the print data list, use this function to rename the same file name by layer print job.

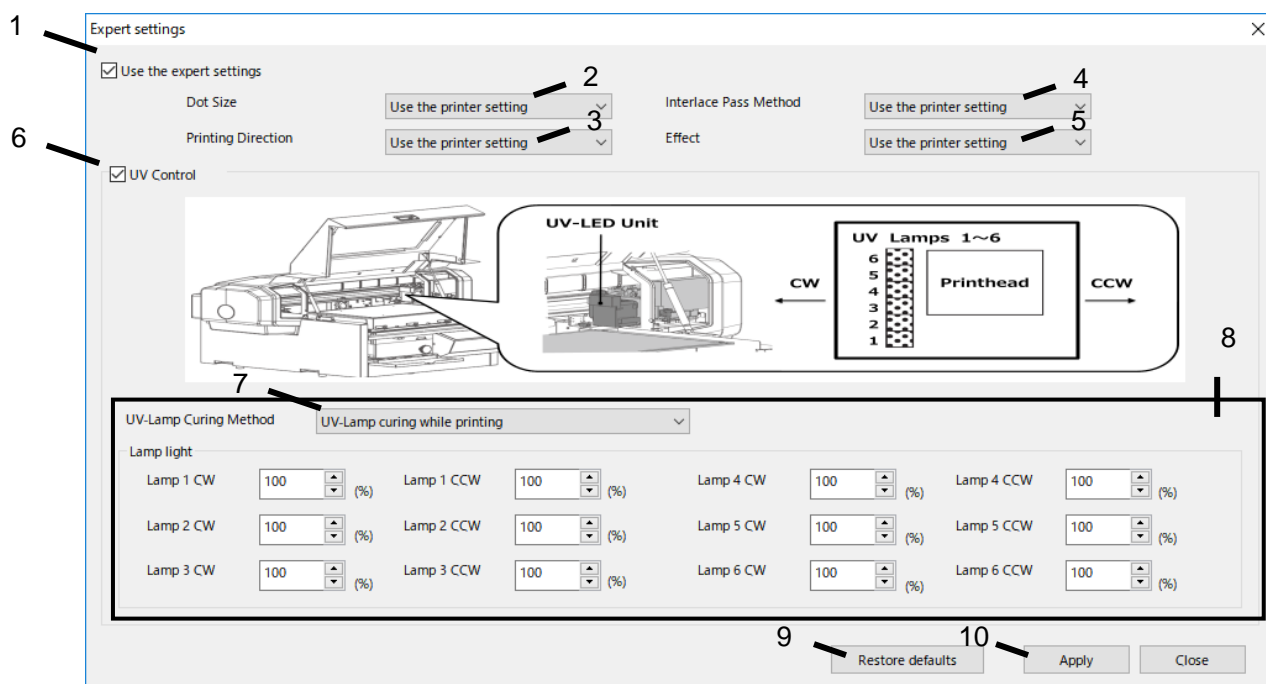
7.21. Layer Set Save

Save a layer printing job with currently specified settings for reprint.



No.	Name	Contents
1	Layer Set	Enter a name to save the layer set.
2	Printer Model	Displays the printer model to print the layer set.
3	Printer Method	Displays the print method of the layer set.
4	Type	Displays the types of layer printing set to the layer set.
5	Save the expert settings	Check this box to save the expert settings currently specified for the layer set.
6	Color Icon	Displays color icons for your selected model.
7	Layer	Displays the name of the print files assigned to each layer field.
8	▲ ▼	Click ▲ or ▼ arrow to switch layers in 3 layer increments.
9	Preview	Show the image preview of the print data being selected on the list.
10	Color Icon	Displays the color to be assigned to each layer with an icon.
11	Multi-Layer Printing Setting	Set the number of repeating to print the selected layer up to 15.

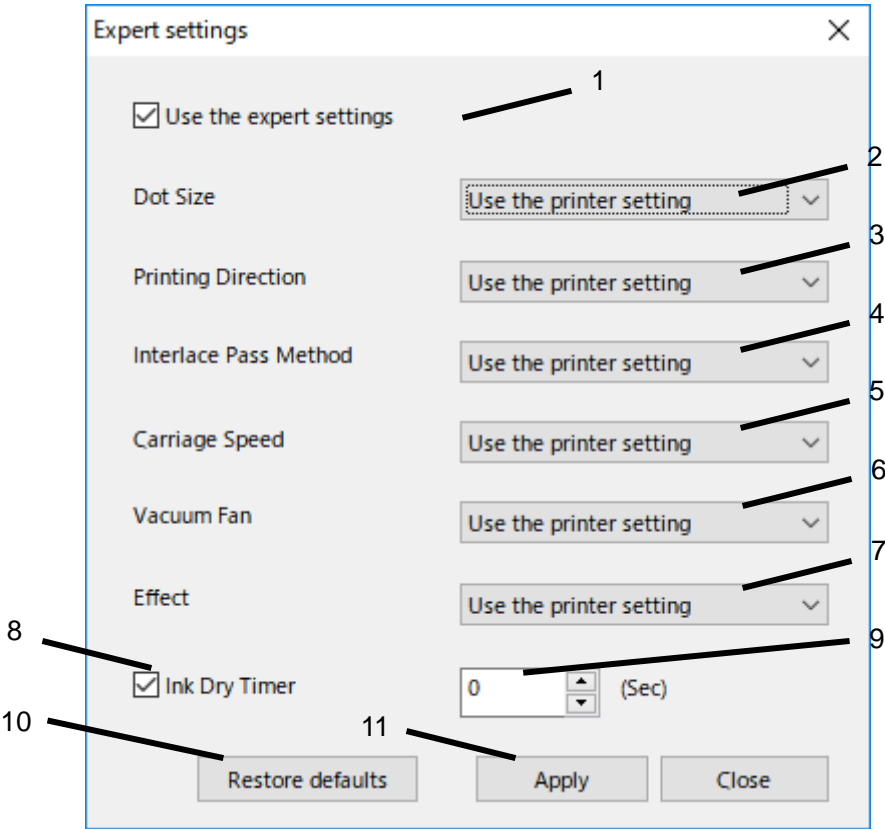
7.22. Expert Settings (1) for XPJ-661UF / XPJ-461UF



No.	Name	Contents
1	Use the expert settings	Check this box to enable the Expert settings.
2	Dot Size	Specify the ink drop size.
		Options Use the printer setting
		Large
		Medium
3	Printing Direction	Specify the printing direction.
		Options Use the printer setting
		Unidirectional (CW)
		Bidirectional
4	Interlace Pass Method	Specify the interlace pass method.
		Options Use the printer setting
		1 Pass
		2 Pass
		4 Pass

No.	Name	Contents	
5	Effect	Specify the effect to optimize the print quality.	
		Options	Use the printer setting
			None
			i-Weave UV
6	UV Control	Check this box to enable the UV-LED Curing Method setting.	
7	UV-LED Curing Method	Specify the UV scanning method.	
		Options	Use the printer setting
			UV-LED curing while printing
			UV-LED curing after printing
			UV-LED curing while and after printing
			UV-LED Ink ejection none
8	Lamp L1CW through Lamp L6CW	Enter the irradiance percentage for each UV-LED lamp. Setting range: 0 to 100%	
	Lamp L1CCW through Lamp L6CCW		
9	Restore defaults	Reset all expert settings.	
10	Apply	Apply the No.2 through No.8 settings specified in the Expert settings.	

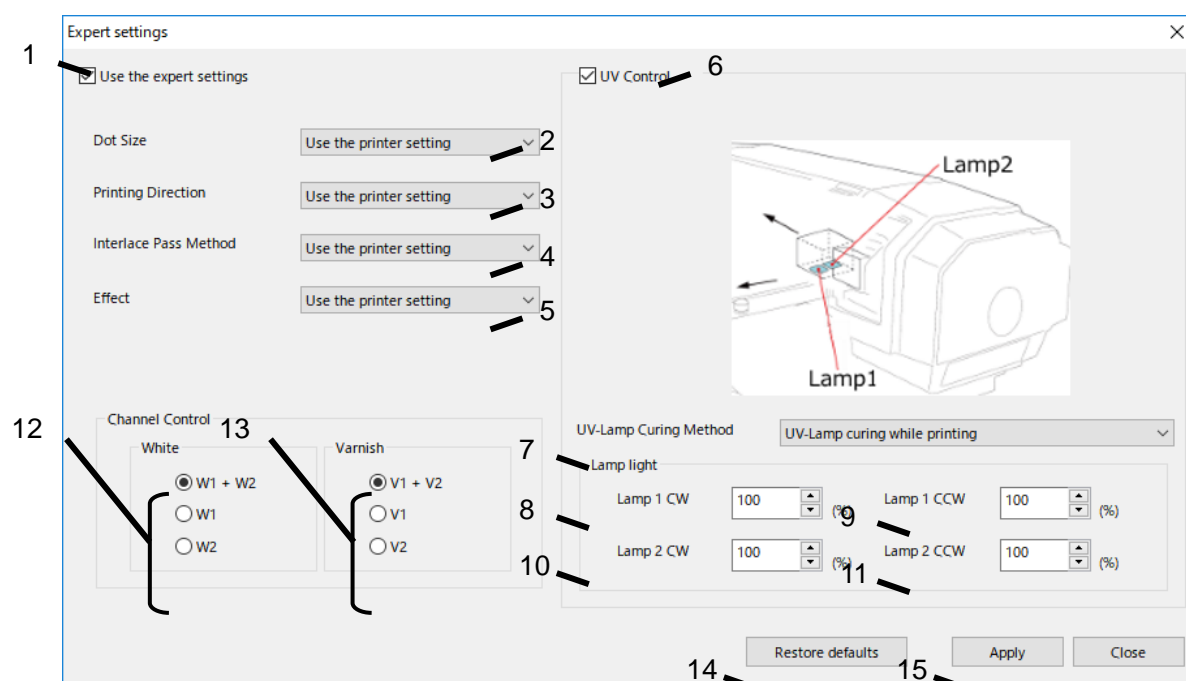
7.23. Expert Settings (2) for VJ-628X / VJ-1628X / VJ-1617H / VJ-628MP / VJ-1627MH



No.	Name	Contents
1	Use the expert settings	Check this box to enable the Expert settings.
2	Dot Size	Specify the ink drop size.
		Options Use the printer setting
		Large
		Medium
3	Printing Direction	Specify the printing direction.
		Options Use the printer setting
		Unidirectional (CW)
		Bidirectional

No.	Name	Contents	
4	Interlace Pass Method	Specify the interlace pass method.	
		Options	Use the printer setting
			1 Pass
			2 Pass
			4 Pass
5	Carriage Speed	Specify the printing speed.	
		Options	Use the printer setting
			Low Speed Set to low-speed printing
			High Speed Set to high-speed printing
6	Vacuum Fan	Specify the vacuum fan mode. When using thin or soft media, use Low setting to optimize the suction and prevent wrinkle on the media.	
		Options	Use the printer setting
			High
			Medium
			Low
			Off
7	Effect	Specify the effect to optimize the print quality.	
		Options	Use the printer setting
			None
			Wave
			Fine&Fuzz
			Fog
			Fine&Fog
8	Ink Dry Timer	Check this box to enable the ink dry timer setting.	
9	Ink Drying Time Input Box	Enter the ink drying time. Setting range: 0 to 3600 seconds	
10	Restore defaults	Reset all expert settings.	
11	Apply	Apply the No.2 through No.8.settings specified in the Expert settings.	

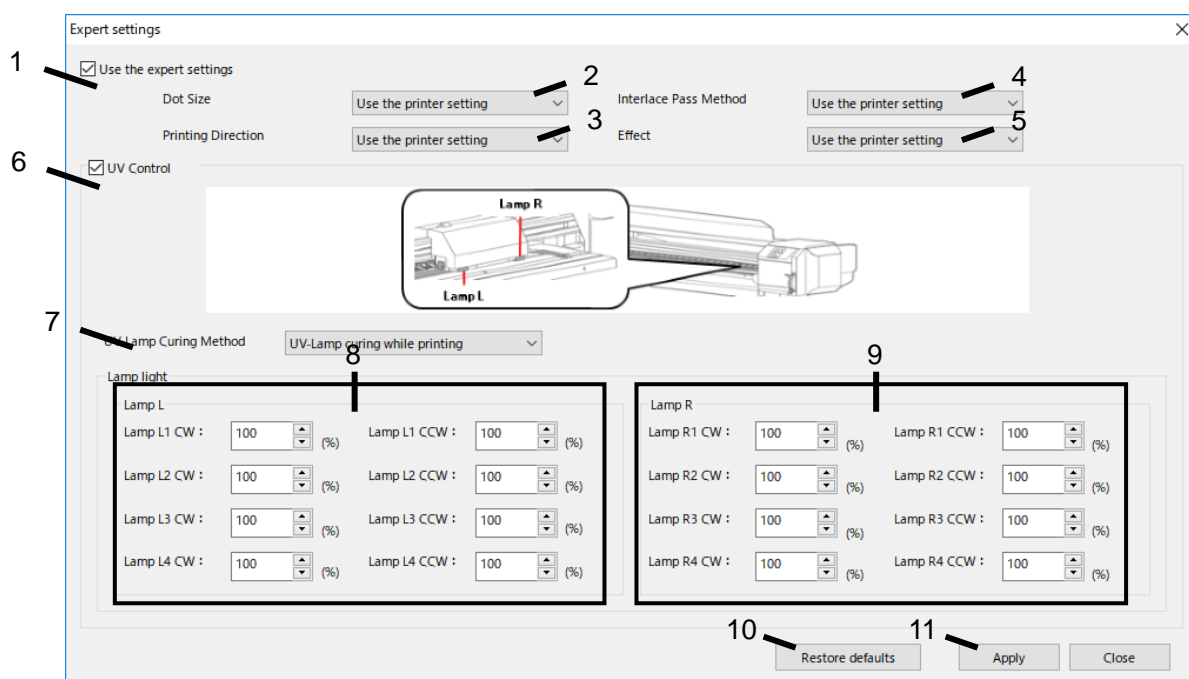
7.24. Expert Settings (3) for VJ-426UF / VJ-626UF / VJ-1626UH



No.	Name	Contents
1	Use the expert setting	Check this box to enable the expert settings.
2	Dot Size	Specify the ink drop size.
		Options
		Use the printer setting
		Large
3	Printing Direction	Specify the printing direction.
		Options
		Use the printer setting
4	Interlace Pass Method	Specify the interlace pass method.
		Options
		Use the printer setting
		1 Pass
		2 Pass
		4 Pass

No.	Name	Contents	
5	Effect	Specify the effect to optimize the print quality.	
		Options	Use the printer setting
			None
			i-Weave UV
6	UV Control	Check this box to enable the UV-LED Curing Method setting.	
7	UV-LED Curing Method	Specify the UV scanning method.	
		Model	VJ-426UF VJ-626UF
		Options	Use the printer setting Use the printer setting
			UV-LED curing while printing UV-LED curing while printing
			UV-LED curing after printing UV-LED curing after printing
			- UV-LED curing while and after printing
8	LED 1 CW	Enter the irradiance percentage for each UV-LED lamp. Setting range: 0 to 100%	
9	LED 1 CCW		
10	LED 2 CW		
11	LED 2 CCW		
12	W1 + W2	Specify which white ink channel to use for printing. Choose single or double channel to print white data.	
	W1		
	W2		
13	V1 + V2	Specify which varnish channel to use for printing. Choose single or double channel to print varnish data.	
	V1		
	V2		
14	Restore defaults	Reset all expert settings.	
15	Apply	Apply the No.2 through No.13 settings specified in the Expert settings.	

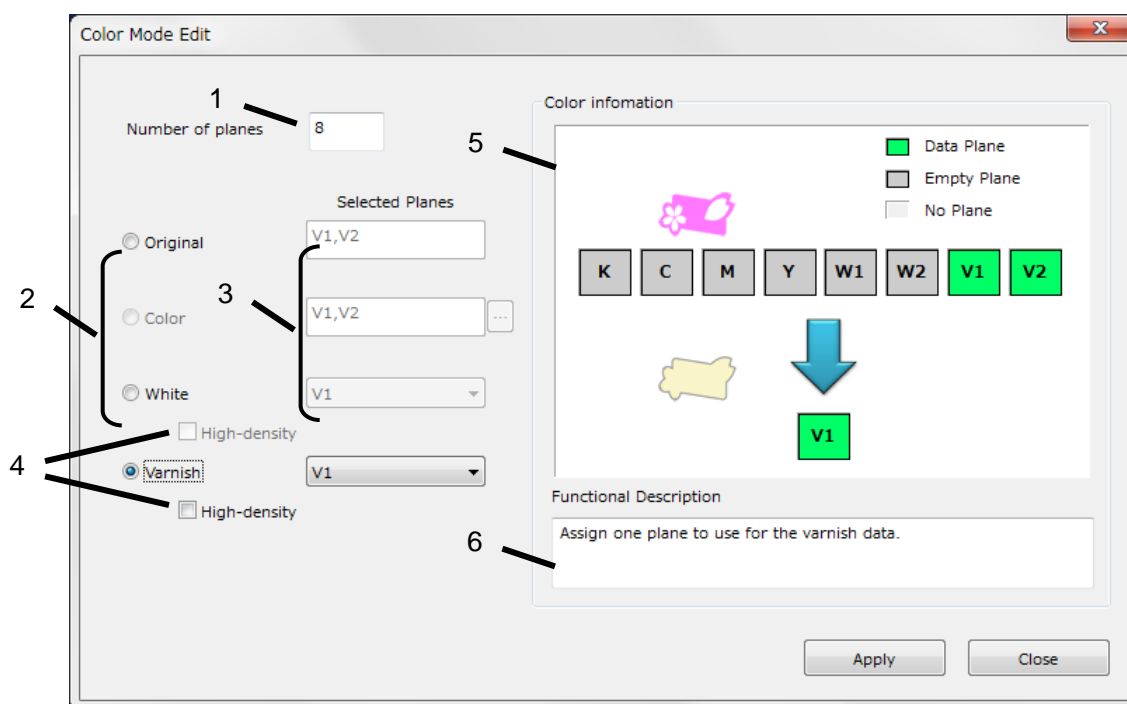
7.25. Expert Settings (4) for VJ-1638UH / VJ-1638UR



No.	Name	Contents
1	Use the expert settings	Check this box to enable the Expert settings.
2	Dot Size	Specify the ink drop size.
		Options
		Use the printer setting
		Large
3	Printing Direction	Specify the printing direction.
		Options
		Use the printer setting
		Unidirectional (CW)
4	Interlace Pass Method	Specify the interlace pass method.
		Options
		Use the printer setting
		1 Pass
		2 Pass
		4 Pass

No.	Name	Contents	
5	Effect	Specify the effect to optimize the print quality.	
		Options	Use the printer setting
			None
			i-Weave UV
6	UV Control	Check this box to enable the UV-LED Curing Method setting.	
7	UV-LED Curing Method	Specify the UV scanning method.	
		Options	Use the printer setting
			UV-LED curing while printing
8	Lamp L1CW through Lamp L6CW	Enter the irradiance percentage for each UV-LED lamp. Setting range: 0 to 100%	
	Lamp L1CCW through Lamp L6CCW		
9	Lamp L1CW through Lamp L6CW	Enter the irradiance percentage for each UV-LED lamp. Setting range: 0 to 100%	
	Lamp L1CCW through Lamp L6CCW		
10	Restore defaults	Reset all expert settings.	
11	Apply	Apply the No.2 through No.8 settings specified in the Expert settings.	

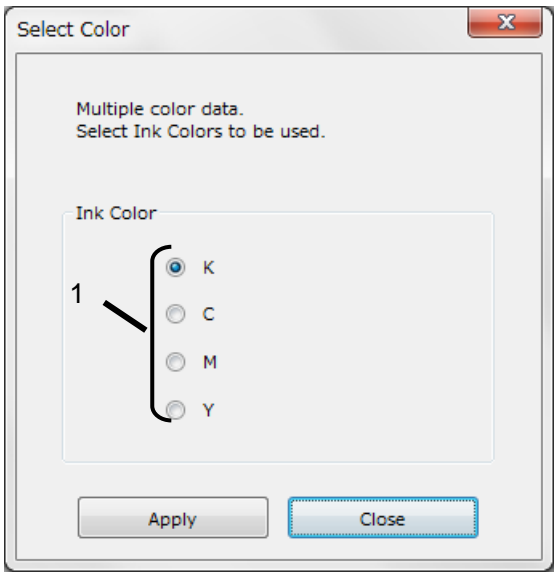
7.26. Color Mode Edit



No.	Name	Contents
1	Number of plane	Displays the number of planes that the original print file consists of.
2	Color Mode	Select a new color mode that you want to apply to your print file.
3	Selected Planes	Select ink planes to enable for printing.
4	High density	You can print the selected file with double density.
5	Color Information	Displays the Color information.
6	Functional Description	Displays the functional description of the selected color mode.

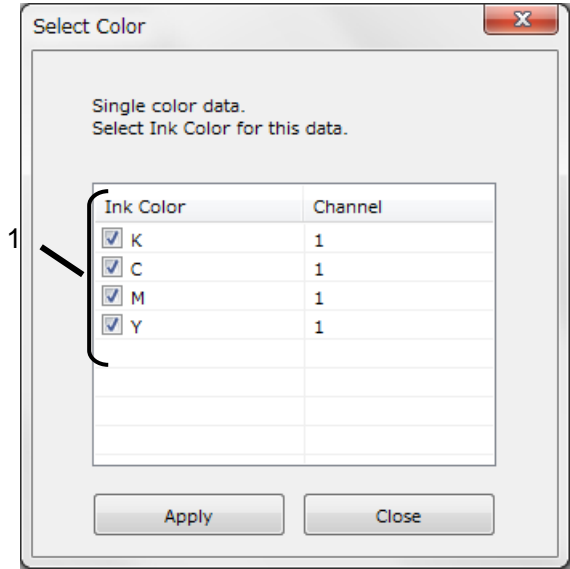
7.27. **Select Color**

Single Plane Data



No.	Name	Contents
1	Ink Color	Select one ink plane from K/C/M/Y.

Multiple Plane Data



No.	Name	Contents
1	Ink Color	Check your desirable ink planes from K/C/M/Y.

7.28. Version Check

Check the Layer Editor version.



8. FAQ

This chapter describes the frequently-asked questions and answers with use of Layer Editor.

1). Which should I choose the “Single-layer” or “Multi-layer” printing?

Normally, choose the multi-layer printing.

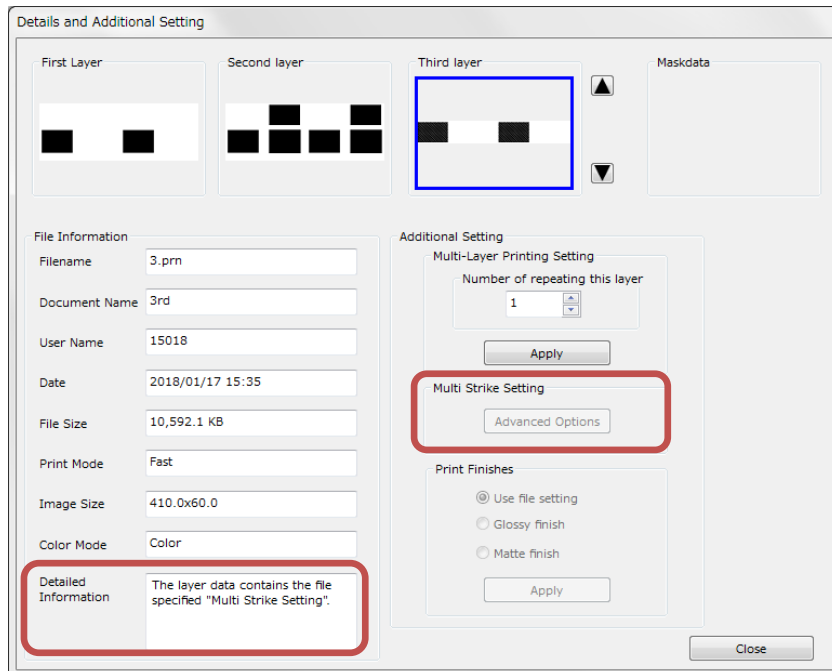
In the single-layer printing, the print head nozzles are divided to print each layer in one carriage shuttle so that the print speed will decrease.

In the multi-layer printing, once each layer printing is finished, the table goes back to the print start position. All nozzles are used to print each layer so that the throughput will not decrease.

If the multi-layer printing is not succeeded, try the single-layer printing.

2). Why is the Advanced Options button in Multi Strike Setting not available?

If the file already contains the Multi Strike setting, you cannot go to the Multi Strike Setting menu in Layer Editor.



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