Raster Link 7

Ver.3.3.4 ~

OptiScout Linkage Guide

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Introduction

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OptiScout Linkage Guide

OptiScout

- Euro-Systems cutting machine control software RasterLink can print by adding a linking QR code to print & cut data. Outputting cut data to OptiScout allows printed materials to be cut efficiently while using OptiScout.

Supported cutting machines: CFX-2513, CFX-2531, CFX-2550 (models equipped with a camera unit)

OptiScout Linkage

1. Required Software

The following software is required to link with OptiScout.
The Euro-Systems software and RasterLink7 must be set up beforehand.

1) RasterLink7 Ver3.3.4 or later
2) Mimaki Driver Ver5.9.18 or later
3) OptiScoutSettingTool Ver1.00 or later
4) CFX series FW Ver3.00 or later
5) OptiScout Latest Version
6) Media Server Latest Version
7) OBSCURAS Camera SDK Latest Version

Setup Procedure

- For information on Euro-Systems software, refer to the Euro-Systems website/manuals.
- For information on Mimaki software, refer to the RasterLink7 Installation Guide and Reference Guide.
- For information on OBSCURAS Camera SDK, refer to the OBSCURAS Guide.

This guide describes how to install the OptiScoutSettingTool.

OptiScout Linkage

2. Overview

This manual describes the procedure for linking with OptiScout using print & cut data. It is assumed that the software has been set up and CFX Series settings have been configured.

The cut lines in the print & cut data must use the special color names stipulated by Euro-Systems.
For details of the special color names, refer to “Appendix 1 Special Color Names”.

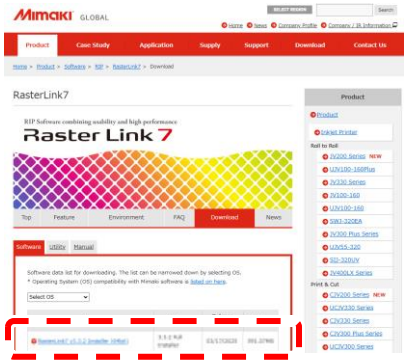
For information on the operating procedure after outputting cut data to OptiScout, refer to the OptiScout manual.

OptiScout Linkage

3. Installing OptiScoutSettingTool

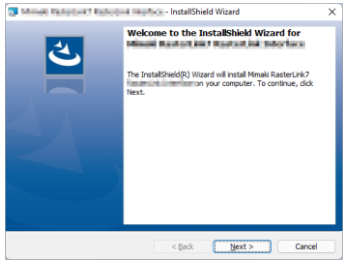
Procedure 1 → 2 → 3

Download OptiScoutSettingTool from the RasterLink7 product page, then install it.



① Download OptiScoutSettingTool

② Double-click self-extracting file

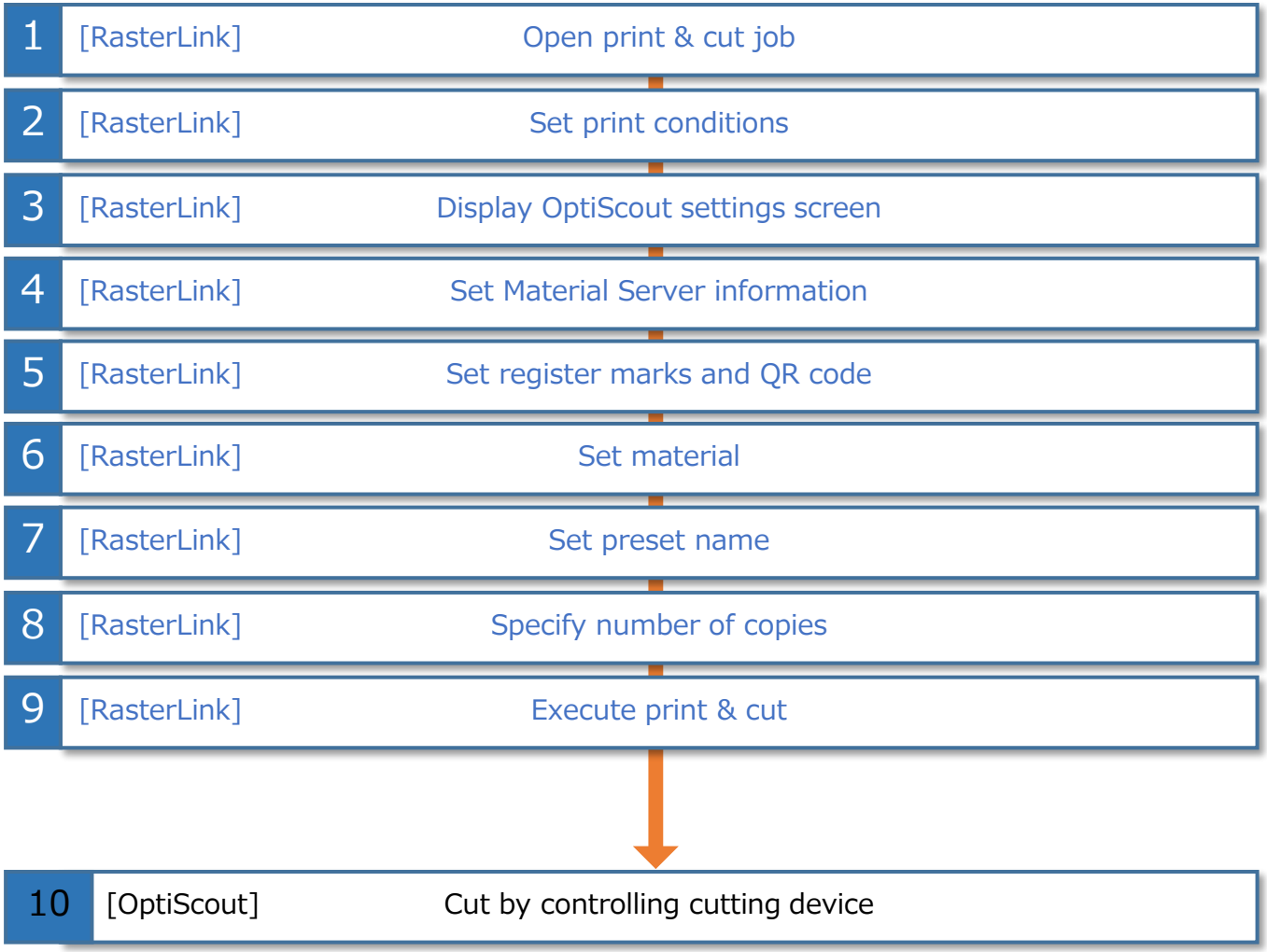


③ Install following on-screen instructions

OptiScout Linkage

4. Linking Using Print & Cut Data

Work flow

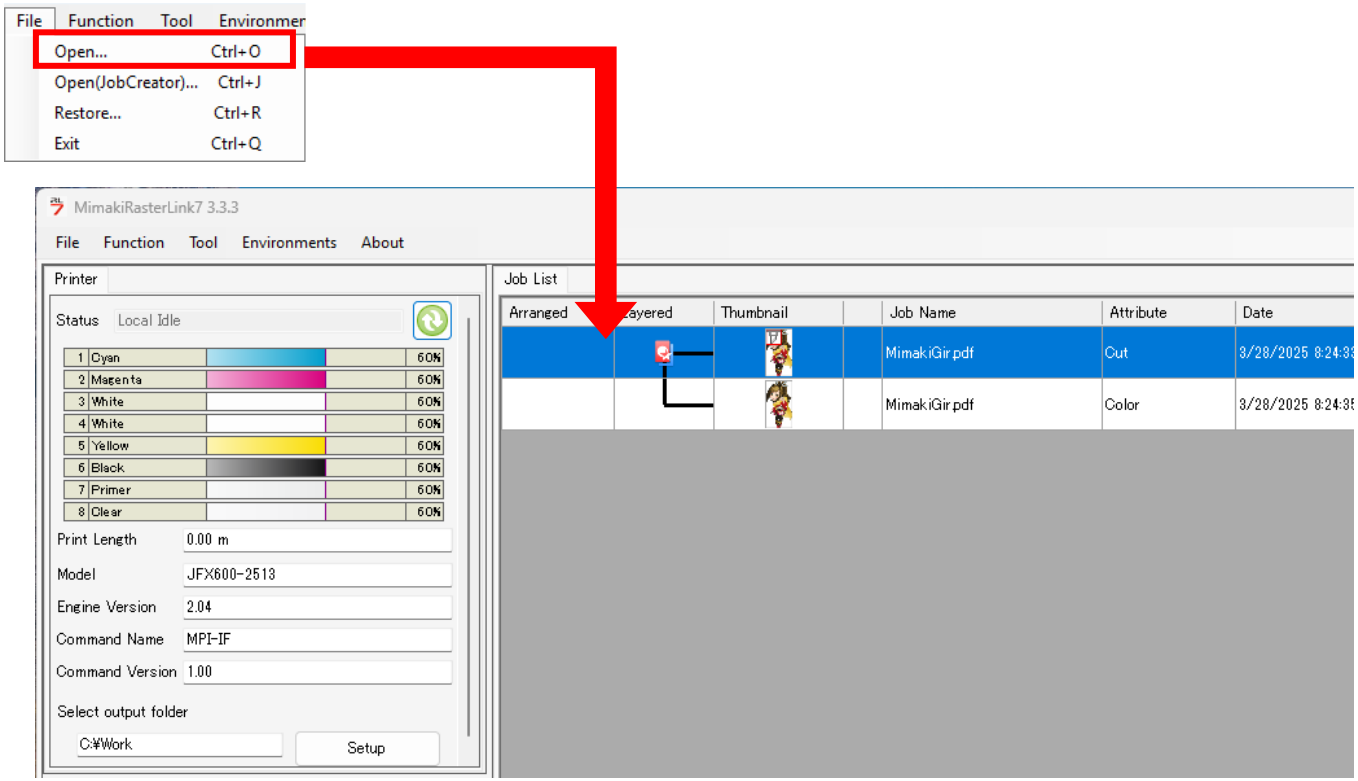


OptiScout Linkage

4. Linking Using Print & Cut Data

4-1 Opening a print & cut job

1) Select and open the [Print & Cut] screen.



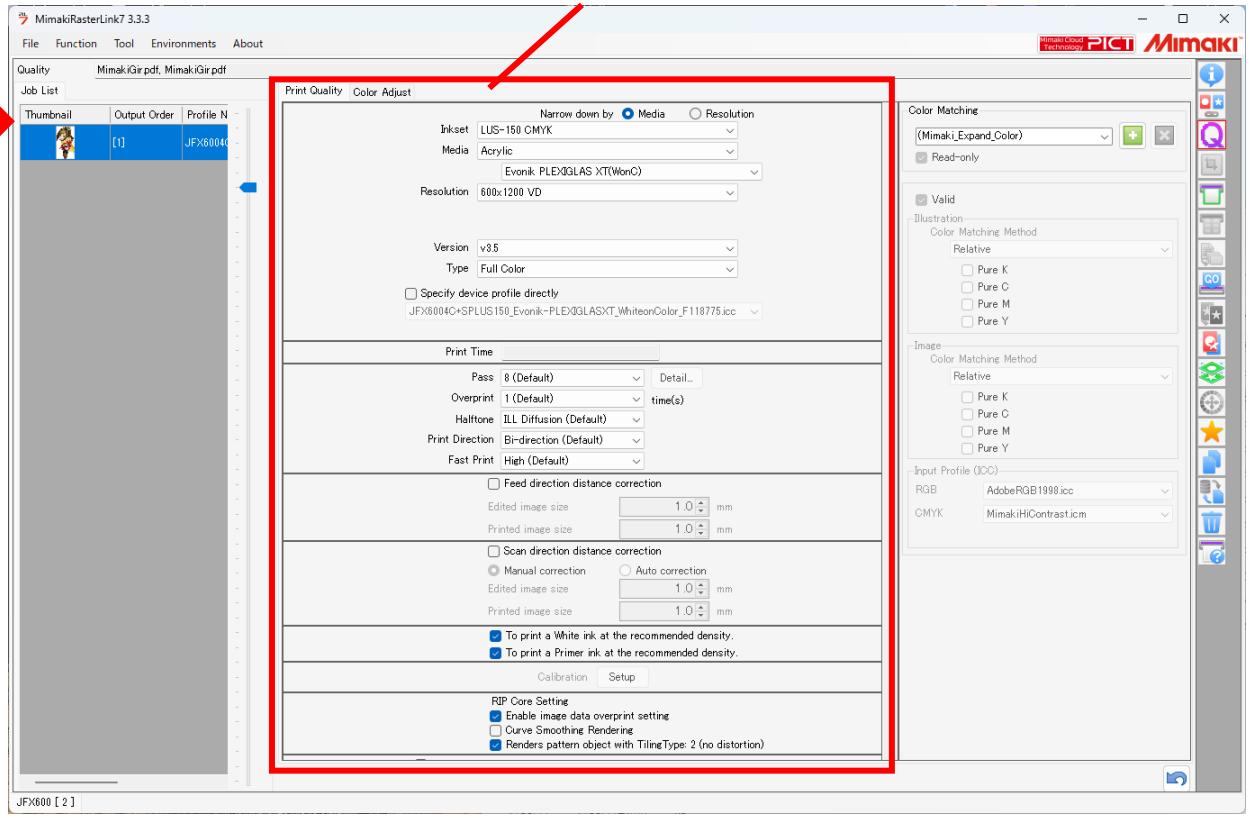
OptiScout Linkage

4. Linking Using Print & Cut Data

4-2 Setting the print conditions

1) Select a job, then click the print conditions icon.

2) Set the desired print conditions.



OptiScout Linkage

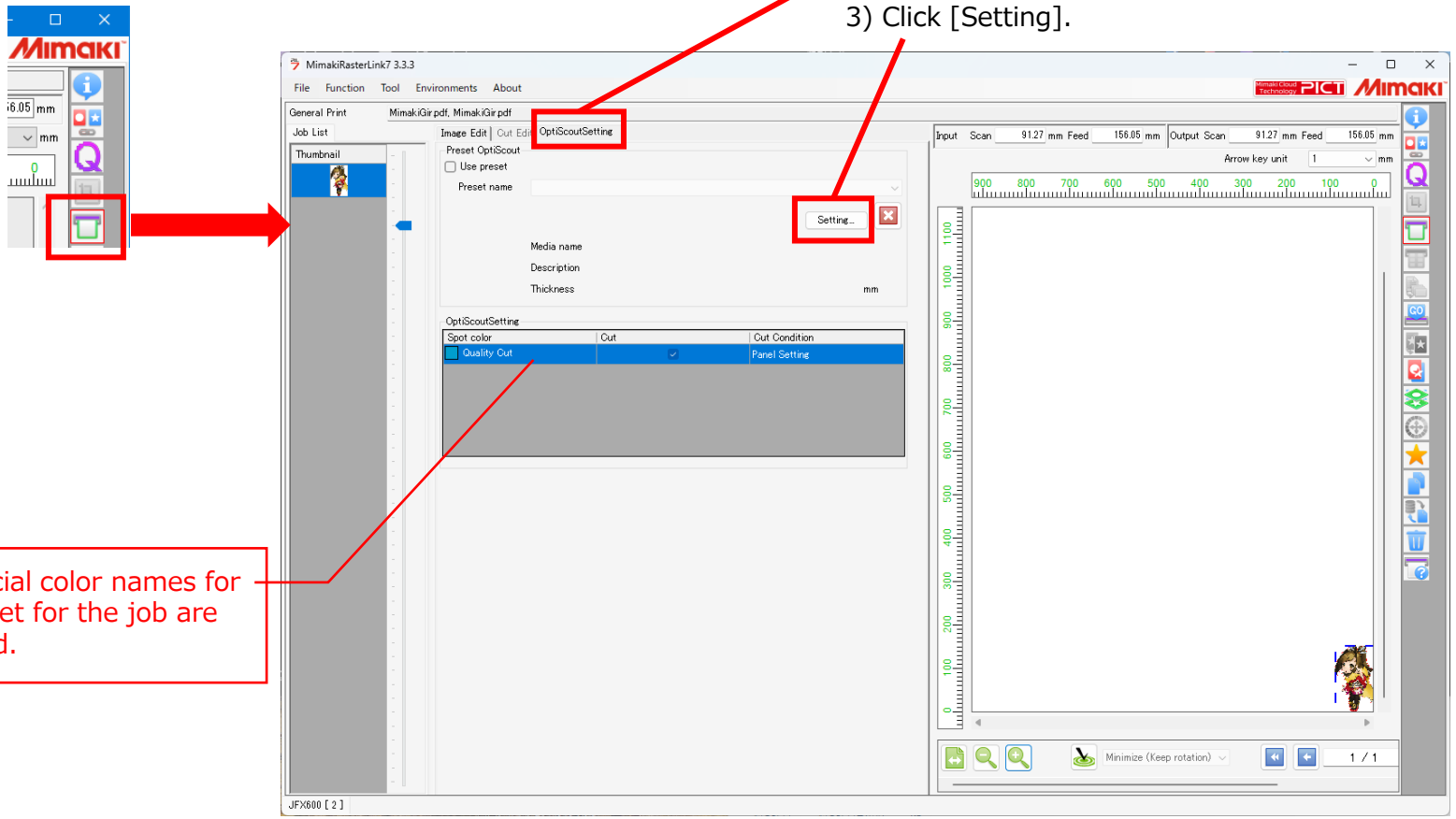
4. Linking Using Print & Cut Data

4-3 Displaying the OptiScout settings screen

1) Select a job, then click the normal print icon.

2) Click the [OptiScoutSetting] tab.

3) Click [Setting].

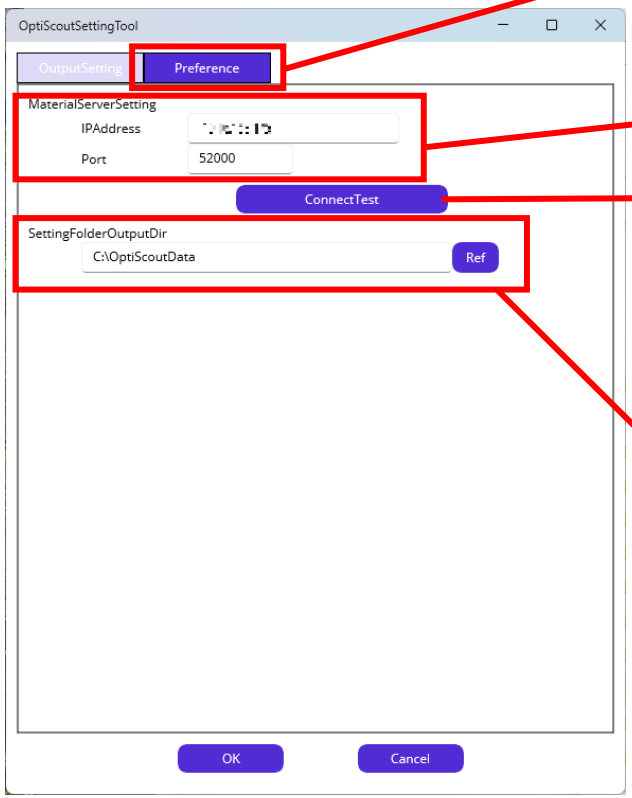


The special color names for cutting set for the job are displayed.

OptiScout Linkage

4. Linking Using Print & Cut Data

4-4 Setting the Material Server information



1) Click the [Preference] tab.

2) Enter [IPAddress] and [Port] for [MaterialServerSetting].

3) Click [ConnectTest] to check that the settings are correct.

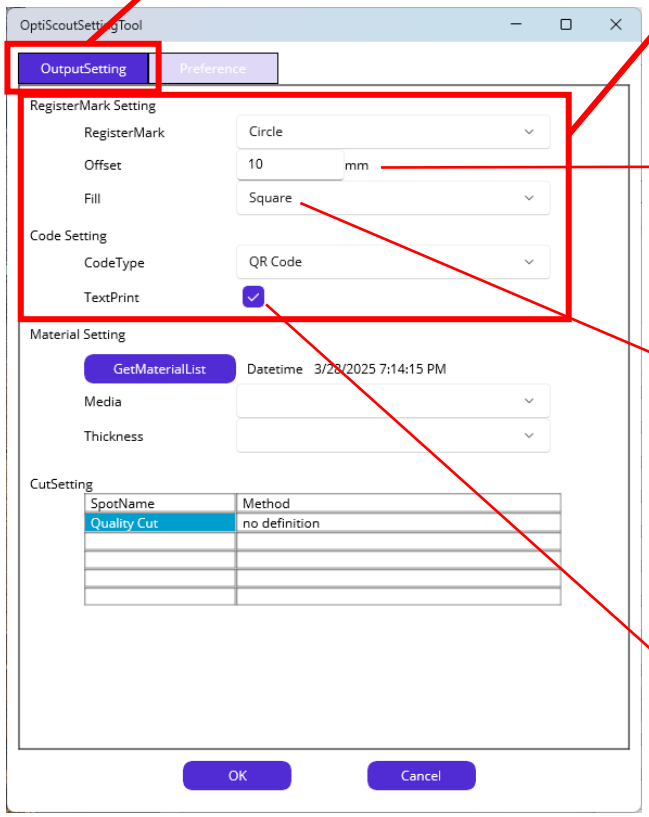
4) Specify the OXF file output destination folder.

OptiScout Linkage

4. Linking Using Print & Cut Data

4-5 Setting the register marks and QR code

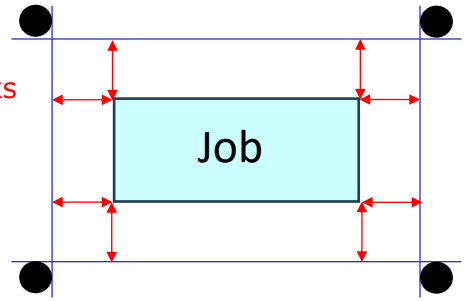
1) Click the [OutputSetting] tab.



2) Set the register mark and QR code parameters.

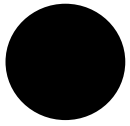
[Offset]

Margin between register marks and image



[Fill]

None



Yes (Square)

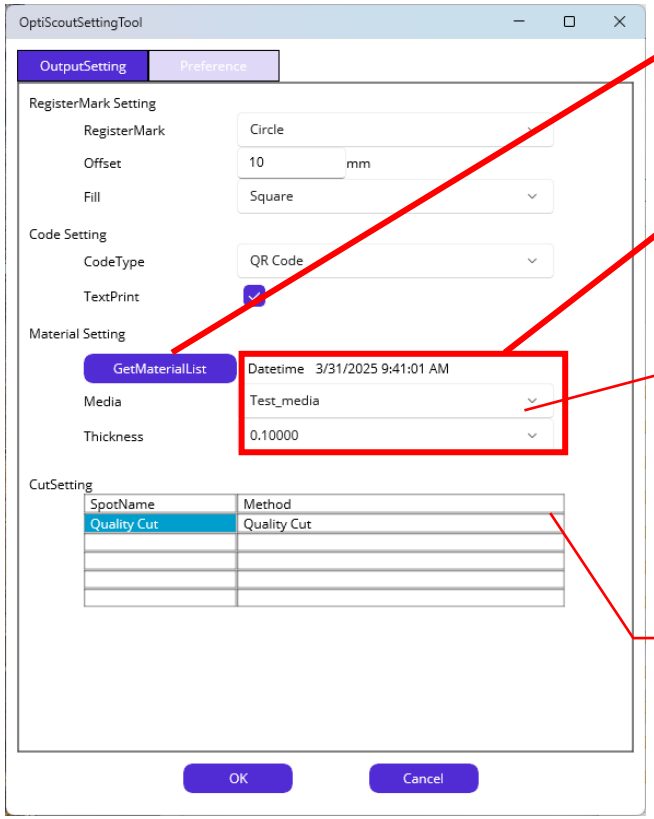
Print text information next to QR Code

ABCDEF123B

OptiScout Linkage

4. Linking Using Print & Cut Data

4-6 Setting the material



1) Click [GetMaterialList].

2) Select the media type and thickness.

The media and thickness information pre-registered in Material Server is displayed. If the required information is not displayed, check the information registered in Material Server.

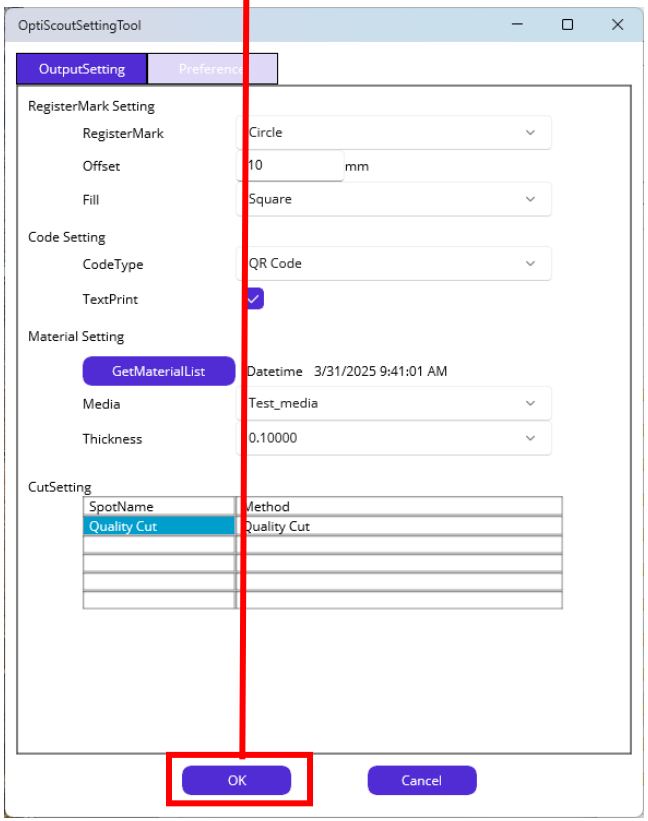
Selecting the media and thickness automatically sets the cutting method. If there is no cutting method corresponding to the spot color name, “No definition” will be displayed.

OptiScout Linkage

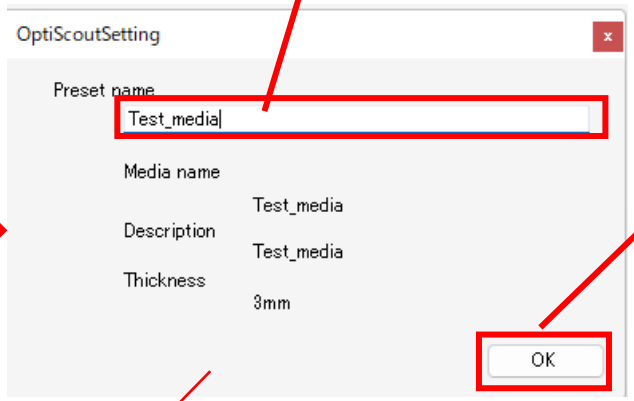
4. Linking Using Print & Cut Data

4-7 Setting the preset name

1) Click [OK].



2) Save the conditions set using a user-defined name.



3) Click [OK].

Saving conditions like this allows them to be reused in future by loading the preset name on the [OptiScoutSetting] tab.

OptiScout Linkage

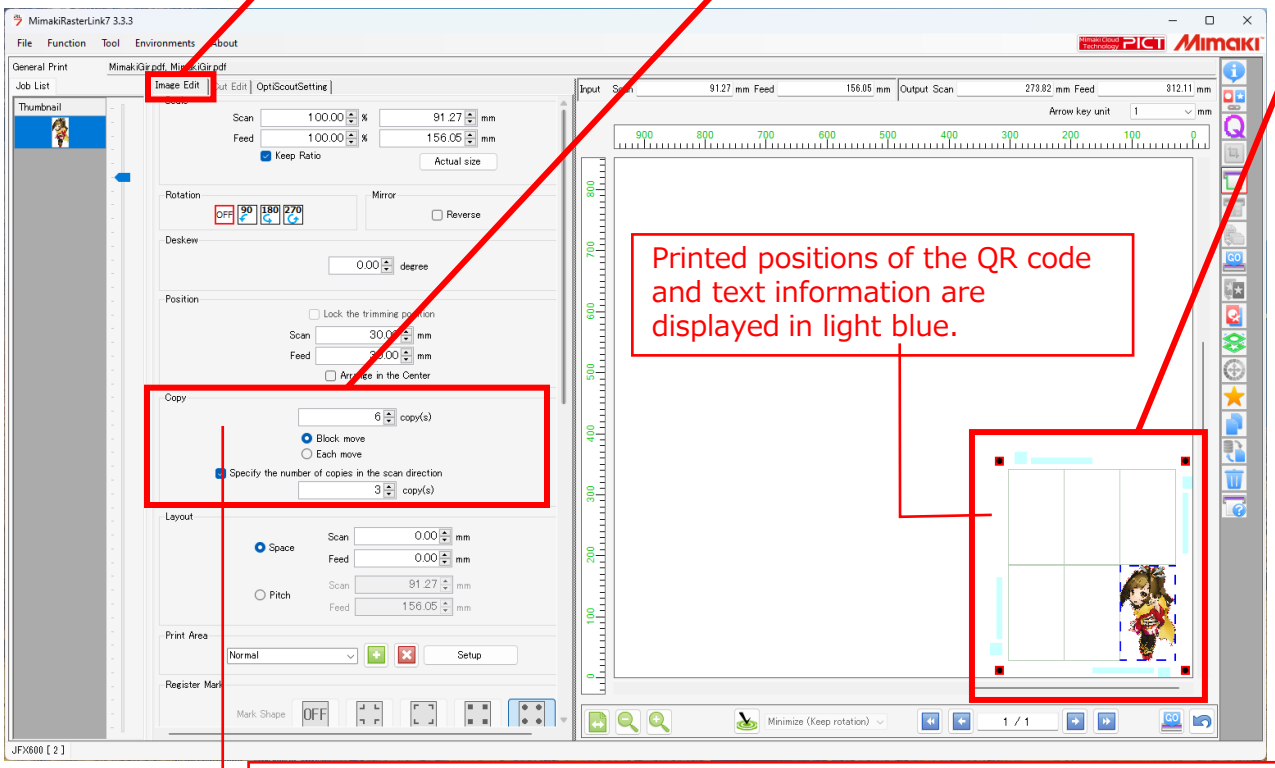
4. Linking Using Print & Cut Data

4-8 Specifying the number of copies

1) Click the [Image Edit] tab.

2) Set the number of copies.

3) Check the print preview image.



Printed positions of the QR code and text information are displayed in light blue.

When this setting is checked, images can be laid out wrapped with the specified number of copies.

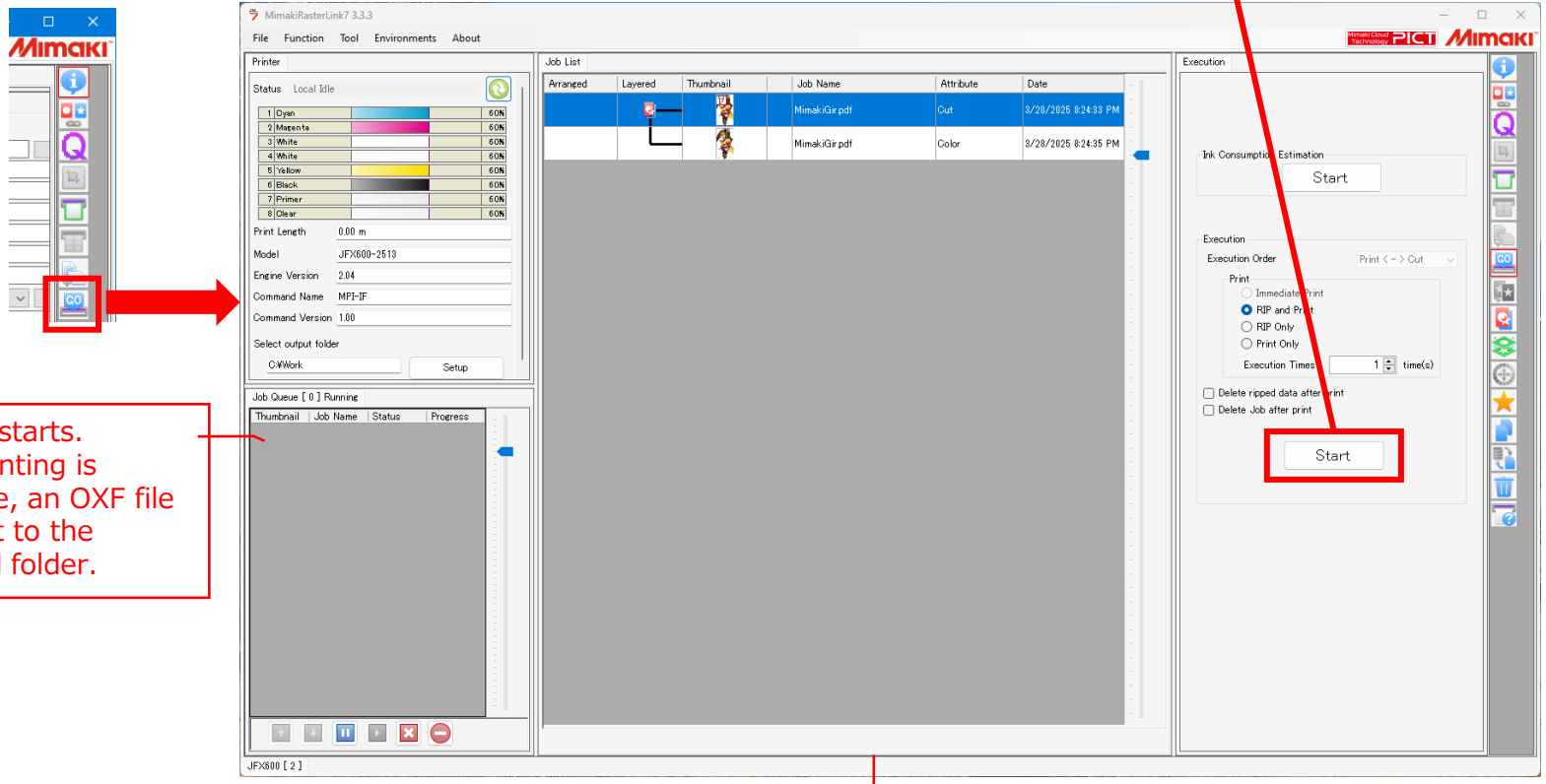
OptiScout Linkage

4. Linking Using Print & Cut Data

4-9 Executing print & cut

1) Select a job, then click the run icon.

2) Click [Start].



Printing starts.
Once printing is complete, an OXF file is output to the specified folder.

This completes the procedure using RasterLink7. Cutting is performed using OptiScout.

OptiScout Linkage

4. Linking Using Print & Cut Data

4-10 Cutting by controlling a cutting device

The cut data output from RasterLink is automatically displayed on the OptiScout screen when the QR code is read.

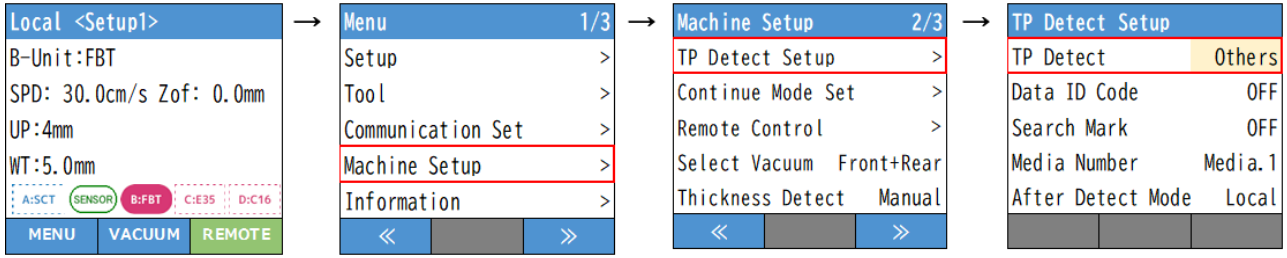
For information on subsequent cutting operations, refer to the OptiScout manual.

OptiScout Linkage

5-1 Setting on the CFX for using OptiScout

1. On the machine's operation panel, set the registration mark setting to "Others".

MENU → Machine Setup → TP Detect Setup → TP Detect＝Others



※ Unnecessary menus are not available in OptiScout by the above setting.

- JOG Function Selects > Mark Origin Detection
- JOG Function Selects > Mark Offset
- JOG Function Selects > Camera Adjustment

In addition, invalid settings or values cannot be changed in OptiScout.

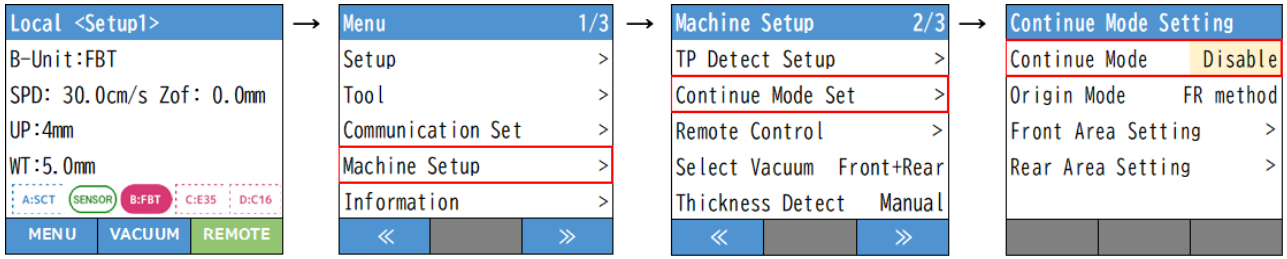
- Machine Setup > TP Detect Setup > Data ID Code
- Machine Setup > TP Detect Setup > Search Mark
- Machine Setup > TP Detect Setup > Media Number
- Machine Setup > TP Detect Setup > After Detect Mode
- Machine Setup > Continue Mode Setting > Continue Mode = Continue
- Machine Setup > Continue Mode Setting > Continue Mode = Toggle
- Tool Set > Cxx (Crease roller) > Double Roller

OptiScout Linkage

5-2 Setting on the CFX for using OptiScout

2. On the machine's operation panel, set the continuous mode to "Disable".

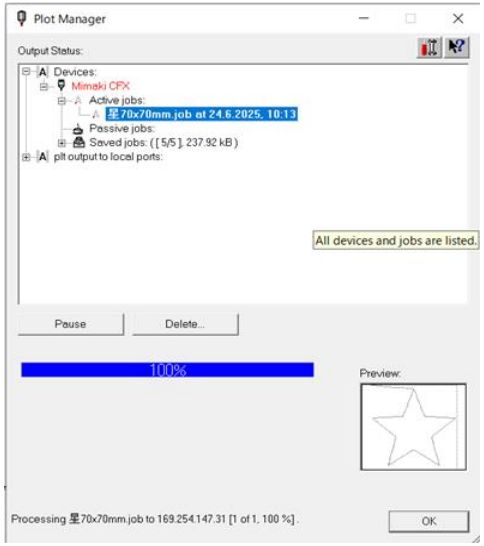
MENU → Machine Setup → Continue Mode Setting → Continue Mode＝Disable



This completes the setting on the machine.

Precautions)

If you clear the data on the machine to interrupt printing,
the job will remain in the Plot Manager of OptiScout,
so please manually delete the job whose data has been cleared.
If you do not delete it, the next data cannot be cut.



OptiScout Linkage

5-3 Notes on CFX for using OptiScout

3-1. About the Drawing Origin

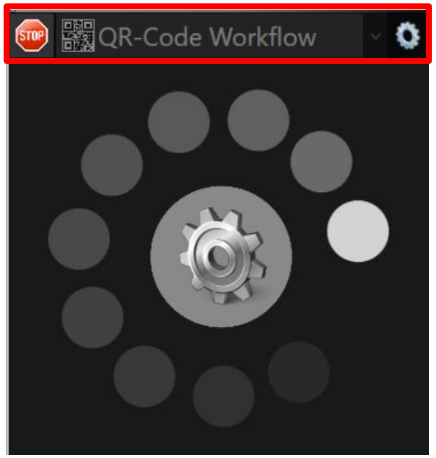
When using OptiScout, unless you encounter any issues, please use the default drawing origin (the bottom-right corner of the maximum effective cutting area) as it is.

When changing the drawing origin, do not set it to the upper left side relative to the QR code and the lower right registration mark. If set to that position, the lower-right registration mark may not be read correctly.

3-2. After the drawing is completed

When the STOP button is pressed in the OptiScout app, please execute a data clear on the CFX.

If CFX fails to connect at the start of the next drawing operation, it will be necessary to restart the OptiScout.



OptiScout Linkage

Appendix 1　Special Color Names

No.	Special color name	Purpose
1	Draw	Pen drawing
2	Score	Scoring
3	Crease	Creasing
4	Kiss-cut	Kiss-cutting
5	Perforation	Perforation
6	Punch	Hole punching
7	V-Cut	An angle can also be added at the end, such as “V-Cut45”
8	Engrave	Engraving
9	Bevel-cut	Bevel cutting
10	Thru-cut	Through cutting
11	Drill	Drilling
12	Route	Route
13	Quality Cut	High quality cutting
14	Fast Cut	Fast cutting
15	Weed	Trimming lines

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SW