

Raster Link 7

Ver.3.3.4 ~

OptiScout Linkage Guide

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Introduction

Note

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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.

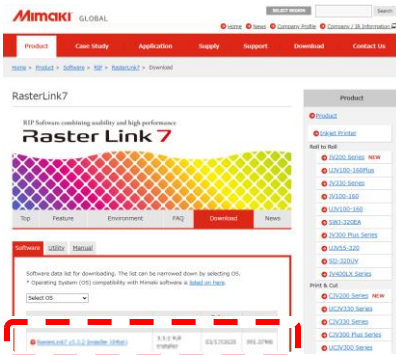
OptiScout Linkage

3. Installing OptiScoutSettingTool

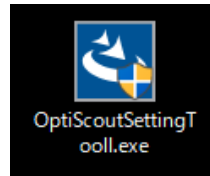
Procedure



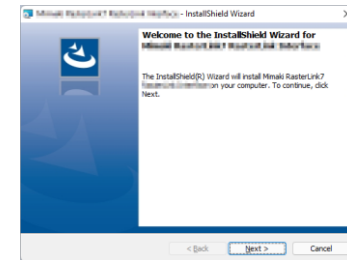
Download OptiScoutSettingTool from the RasterLink7 product page, then install it.



① Download OptiScoutSettingTool



② Double-click self-extracting file

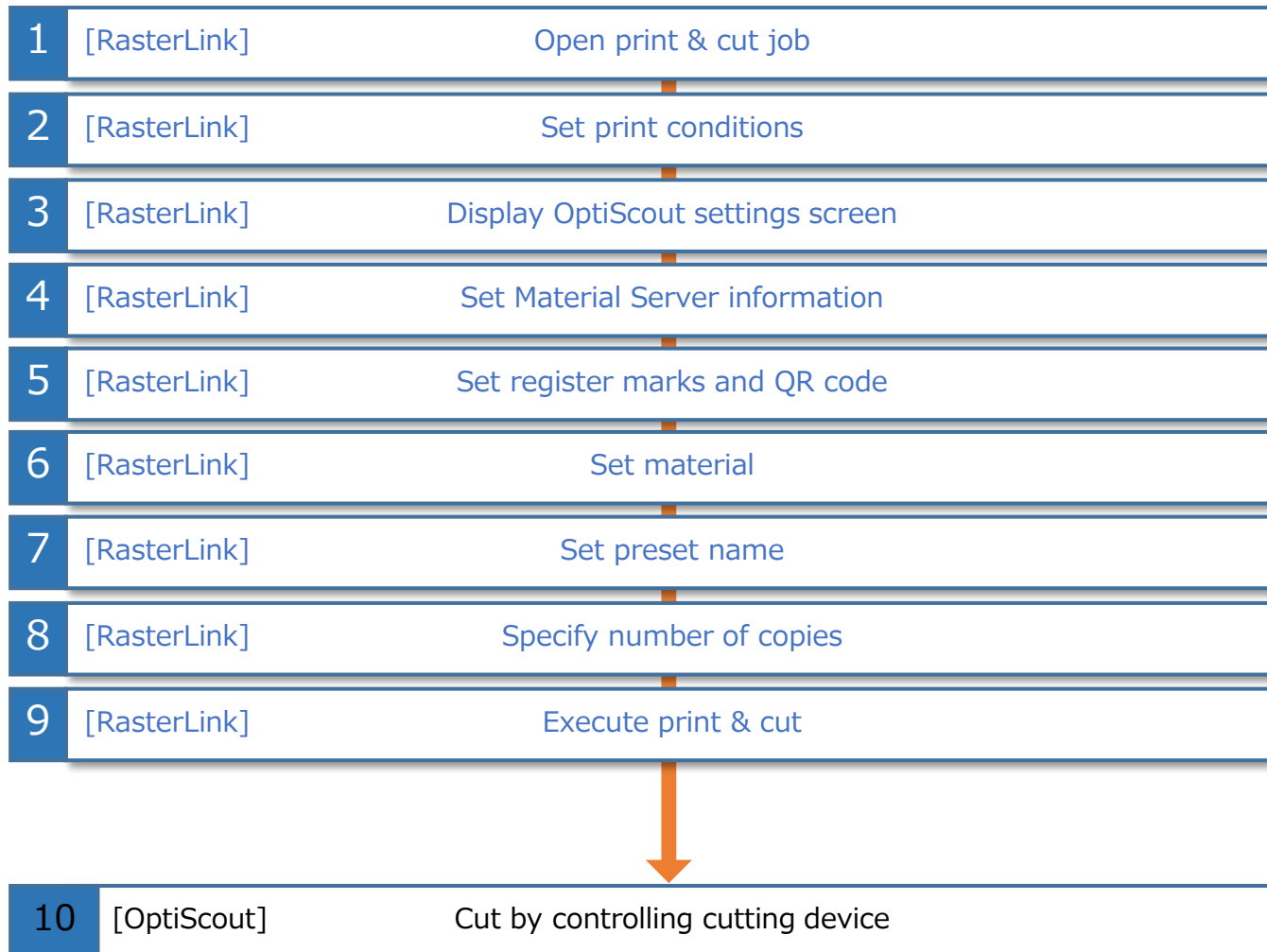


③ Install following on-screen instructions

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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.

The screenshot shows the MimakiRasterLink7 3.3.3 software interface. The 'File' menu is open, with the 'Open...' option highlighted by a red box. A red arrow points from this menu item to the 'Print & Cut' screen. The 'Print & Cut' screen is divided into two main sections: a printer status panel on the left and a 'Job List' table on the right.

Printer Status Panel:

- Status: Local Idle
- Color bars: Cyan, Magenta, White, Yellow, Black, Primer, Clear (all at 60% level)
- Print Length: 0.00 m
- Model: JFX600-2513
- Engine Version: 2.04
- Command Name: MPI-IF
- Command Version: 1.00
- Select output folder: C:\Work
- Buttons: Setup

Job List Table:

Arranged	Layered	Thumbnail	Job Name	Attribute	Date
			MimakiGir.pdf	Cut	3/28/2025 8:24:38
			MimakiGir.pdf	Color	3/28/2025 8:24:38

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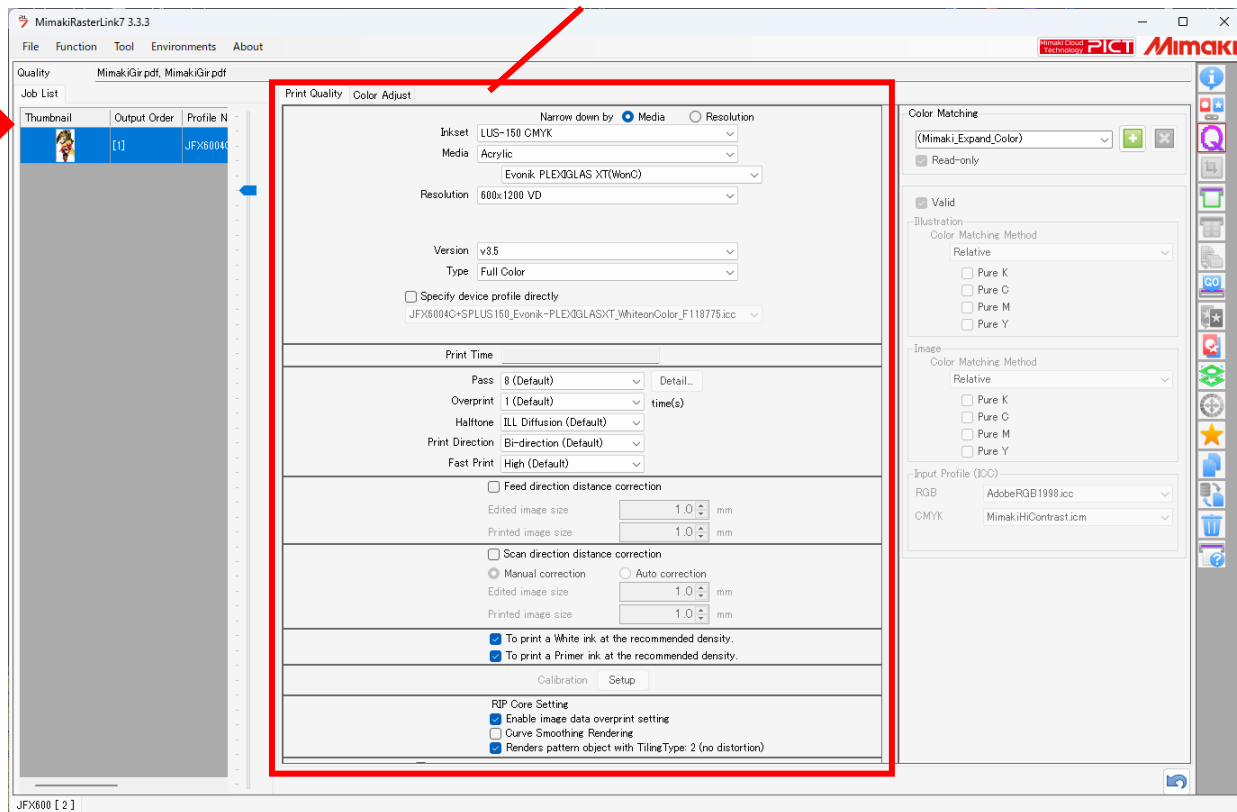
4. Linking Using Print & Cut Data

4-2 Setting the print conditions

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



2) Set the desired print conditions.



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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 screenshot shows the MimakiRasterLink7 3.3.3 software interface. The 'OptiScoutSetting' tab is selected, and the 'Setting...' button is highlighted. A table displays the 'OptiScoutSetting' data:

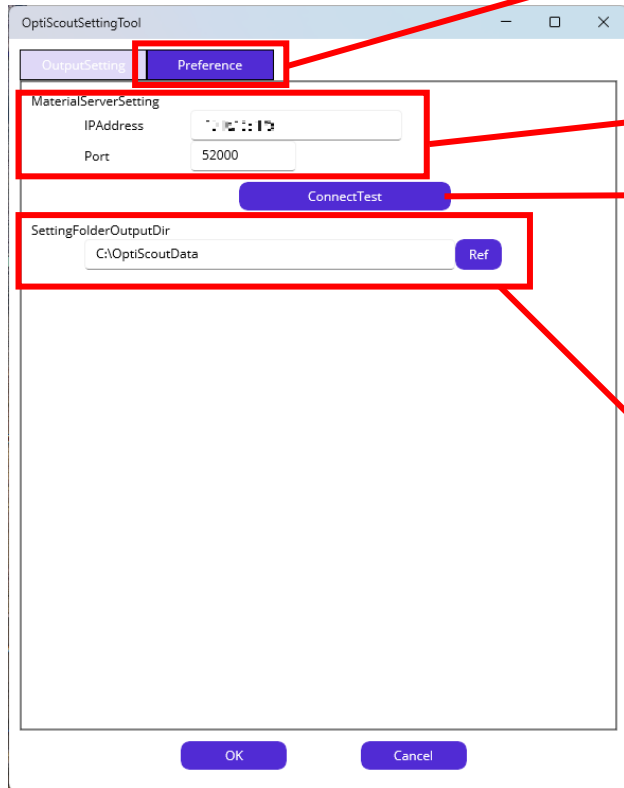
Spot color	Cut	Cut Condition
Quality Cut	<input checked="" type="checkbox"/>	Panel Setting

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

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4. Linking Using Print & Cut Data

4-4 Setting the Material Server information



The screenshot shows the OptiScoutSettingTool dialog box with the following elements and instructions:

- 1) Click the [Preference] tab.** The "Preference" tab is highlighted with a red box.
- 2) Enter [IPAddress] and [Port] for [MaterialServerSetting].** The "MaterialServerSetting" section, containing "IPAddress" (192.168.1.1) and "Port" (52000), is highlighted with a red box.
- 3) Click [ConnectTest] to check that the settings are correct.** The "ConnectTest" button is highlighted with a red box.
- 4) Specify the OXF file output destination folder.** The "SettingFolderOutputDir" section, containing "C:\OptiScoutData" and a "Ref" button, is highlighted with a red box.

At the bottom of the dialog are "OK" and "Cancel" buttons.

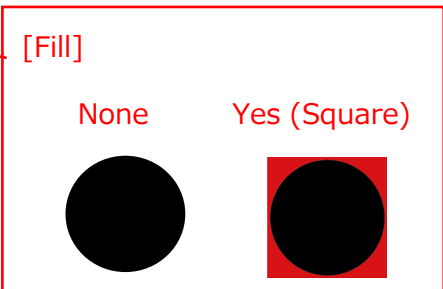
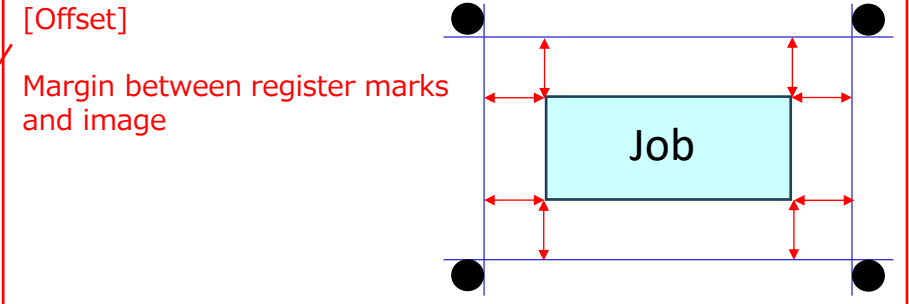
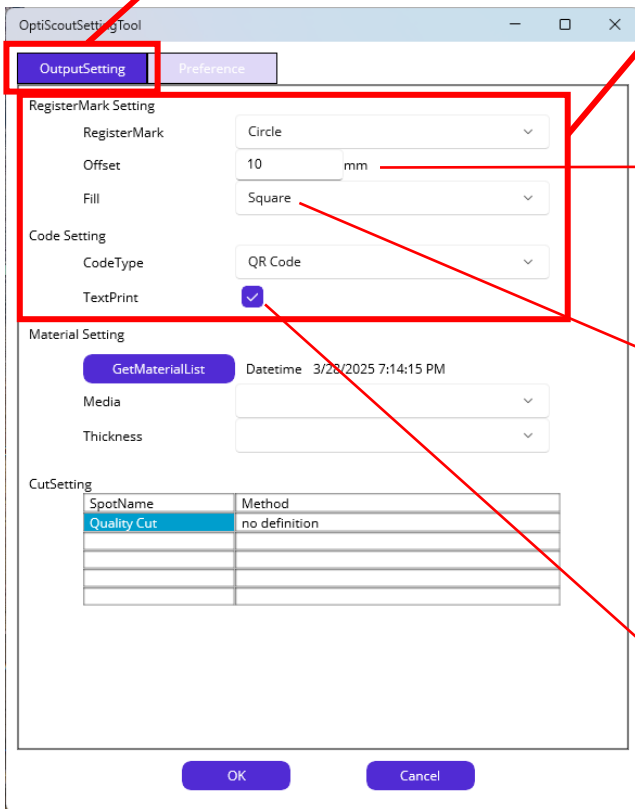
OptiScout Linkage

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.



OptiScout Linkage

4. Linking Using Print & Cut Data

4-6 Setting the material

The screenshot shows the 'OptiScoutSettingTool' dialog box with the 'OutputSetting' tab selected. The 'Material Setting' section is highlighted with a red box. The 'GetMaterialList' button is highlighted with a red box. The 'Media' dropdown is set to 'Test_media' and 'Thickness' is set to '0.10000'. The 'CutSetting' table shows 'Quality Cut' selected.

SpotName	Method
Quality Cut	Quality Cut

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.

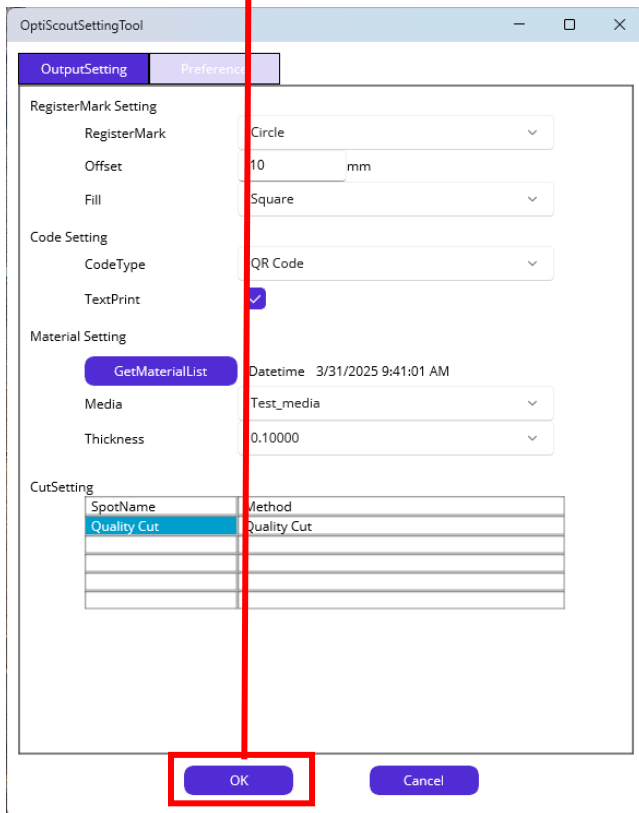
Selecting the media and thickness automatically sets the cutting method. If there is no cutting method corresponding to the spot color name, "No definition" will be displayed.

OptiScout Linkage

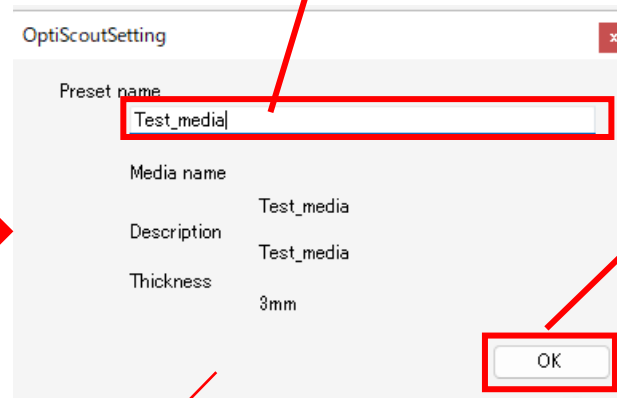
4. Linking Using Print & Cut Data

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.

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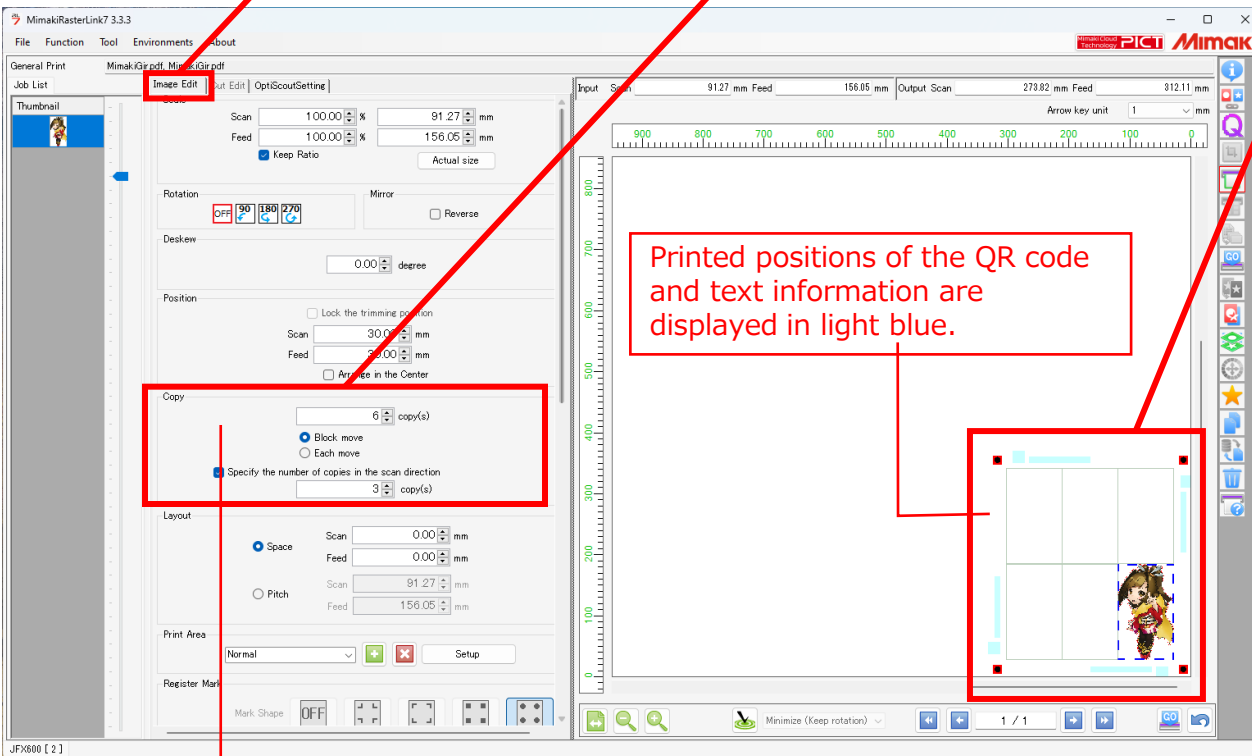
4. Linking Using Print & Cut Data

4-8 Specifying the number of copies

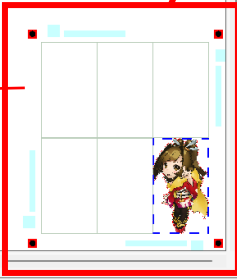
1) Click the [Image Edit] tab.

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.

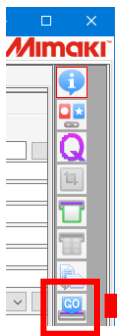
OptiScout Linkage

4. Linking Using Print & Cut Data

4-9 Executing print & cut

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

2) Click [Start].



Arranged	Layered	Thumbnail	Job Name	Attribute	Date
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		MimakiGr.pdf	Cut	3/28/2025 8:24:33 PM
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		MimakiGr.pdf	Color	3/28/2025 8:24:35 PM

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.

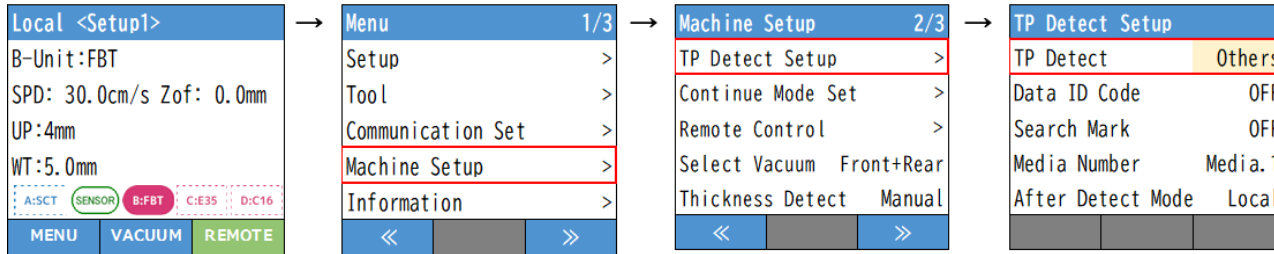
For information on subsequent cutting operations, refer to the OptiScout manual.

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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.

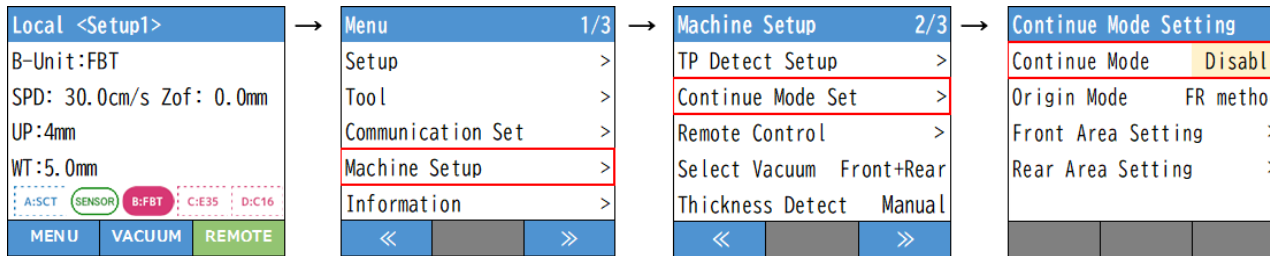
- Machine Setup > TP Detect Setup > Data ID Code
- Machine Setup > TP Detect Setup > Search Mark
- Machine Setup > TP Detect Setup > Media Number
- Machine Setup > TP Detect Setup > After Detect Mode
- Machine Setup > Continue Mode Setting > Continue Mode = Continue
- Machine Setup > Continue Mode Setting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

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5-2 Setting on the CFX for using OptiScout

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

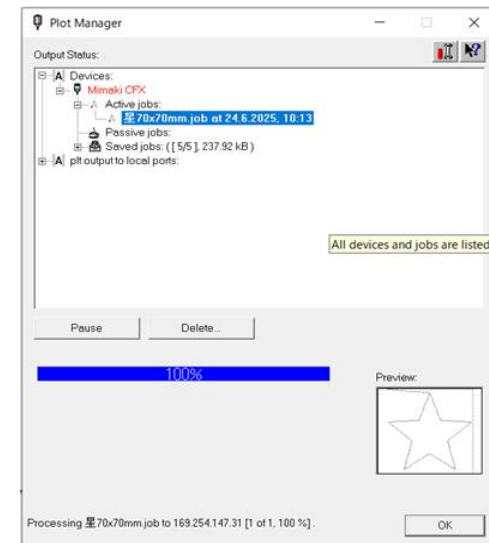
MENU → Machine Setup → Continue Mode Setting → Continue Mode = Disable



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.



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5-3 Notes on CFX for using OptiScout

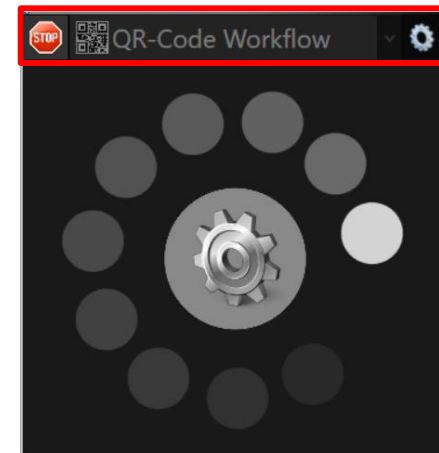
3-1. About the Drawing Origin

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.



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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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