

Operation Guide

Calibration Functions for TotalFlow Print Server

This document describes the procedure for using the calibration functions for TotalFlow Print Server to perform a calibration.

For details about calibration, see “About Calibration”, Calibration Guide.

For details about how to change the calibration associated with a paper, see “Selecting the Calibration for a Paper”, Calibration Guide.

Printing a Color Calibration Page

This section explains how to print a test chart for measuring from the printer to be calibrated.

Before performing a calibration, adjust the image density of the printer.

1. Press the **[User Tools]** key on the control panel of the printer.
2. Press **[Adjustment Settings for Operators]**.
3. Press **[Machine: Image Quality]**.
4. Press **[Adjust Image Density/ DEMS]**.
5. Press **[Image Density Adjustment: Manual Execute]**.
6. Press **[OK]**.
7. Press **[Exit]**.
8. Press the **[User Tools]** key.
9. Click the **[Maintenance]** hub on the local or remote console of the print server.
10. Click **[Print Calibration Master]** on the **[Calibration]** pod.
11. Select the paper tray in which to load the paper to be calibrated.
12. Enter in **[Number of copies]** the number of color calibration pages to be printed.

To ensure correct calibration, we recommend printing several color calibration pages, and then using the second and successive printouts for calibration.

13. In **[Accuracy]**, select the calibration accuracy.

When printing with SRA3, A3, or 11 × 17 paper, you can select **[High]** or **[Standard]**.

When printing with A4 or 8½ × 11 paper, you can select **[Standard]**.

14. Click **[OK]**.

Color calibration pages are printed.

Confirm that there are sufficient margins on the left and right sides of the calibration page that is printed.

Preparing a Color Calibration Page and Spectrophotometer

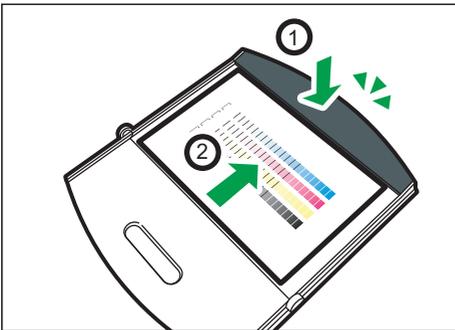
This section explains how to place the printed color calibration page on the backup board and how to calibrate the spectrophotometer.

- 1. On the backup board, place a stack of unused sheets of paper of the same type that were used to print the color calibration pages.**
Stack enough paper so that the backup board cannot be seen through the paper.
- 2. Place one of the printed color calibration sheets on top of the paper stacked on the backup board.**



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- 3. Open the backup board clip (①), insert the calibration sheet (②), and then fix it in place.**



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- 4. Attach a spectrophotometer to the print server.**
- 5. Click [Measure Master] on the [Calibration] pod of the local console.**
- 6. Confirm that the same accuracy for the test chart and the printed color calibration page are selected from the [Target] dropdown list.**
Usually, the type of test chart printed immediately before is automatically selected.
- 7. Confirm that [i1Pro/i1Pro2] is selected in [Device].**

8. Select the measurement mode in [Measurement mode].

- [Strip]: Select this when measuring the test chart's patches band by band.
- [Spot]: Select this when measuring the test chart patch by patch.

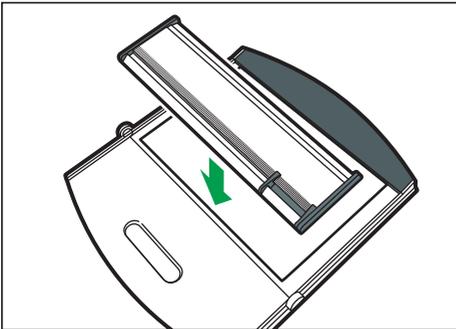
9. Click [Start].

10. Place the spectrophotometer on the calibration plate.

11. Click [Start].

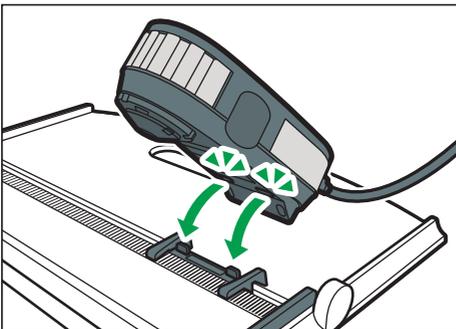
Calibrate the spectrophotometer. When the calibration is complete, the screen for calibrating the spectrophotometer disappears.

12. If you have selected [Strip] in [Measurement mode], place the ruler on the backup board.



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13. Place the spectrophotometer on the ruler.



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↓ Note

- You cannot use the color measurement function from a remote console.

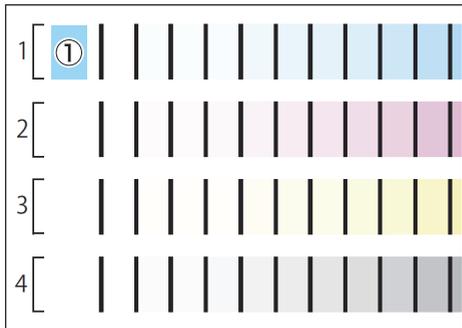
Scanning a Color Calibration Page

This section explains the procedure for [Strip] that is set as the measurement mode. For details about measurement modes, see “Preparing a Color Calibration Page and Spectrophotometer”.

★ Important

- Do not print any jobs while you are calibrating the printer. If calibration is interrupted, start again.

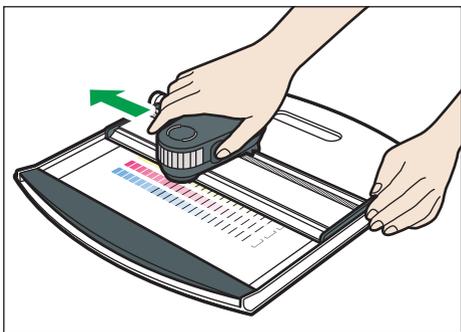
1. Move the scanning head of the spectrophotometer to the left edge (①) of color 1 on the calibration page.



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The color being scanned is displayed on the screen in a frame.

2. Hold down the button on the left side of the spectrophotometer for about one second.
3. Keep holding down the button and move the spectrophotometer to the right.



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Slide it slowly at a constant speed.

4. When color 1 has been scanned to the right edge, release the button on the spectrophotometer.

5. Check the scan results on the local console.

If the color was scanned correctly, the frame indicating the scan position moves to the next color.

If an error message appears, return to Step 1 and scan the color indicated on the screen once again.

6. Repeat Steps 1 through 5 to scan all the colors.

When performing a calibration for standard accuracy, scan four bands of colors.

When performing a calibration for high accuracy, scan eight bands of colors.

7. After all colors are scanned, click [Finish].

Clicking [Reset] takes you back to the screen before starting measurements. The measured data is deleted.

8. Select [Print Verification Page] or [Apply Without Verification].

If you click [Apply Without Verification], proceed to Step 10.

If you click [Print Verification Page], you will have two prints of the confirmation page. The first print contains the previous calibration results while the second print contains the current calibration results. If previous calibration results are not available, the first print contains the factory-set values.

9. Click [Accept New Calibration].

10. Click [Accept New Calibration].

New calibration result is applied to the paper.

Note

- If you set the measurement mode to [Spot], attach the spectrophotometer to the positioning target. Then touch the scanning head of the spectrophotometer to the patch specified on the screen. Click the button on the spectrophotometer side once per patch.
- For details about how to use the spectrophotometer, see the manual.

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