RICOH

Idealliance®

Digital Press Certification Application Data Sheet

Ricoh Pro C7200/C7120 & TotalFlow Print Server

Note: Certification is in accordance with Idealliance Digital Press Certification Program v2.3 (Increment version number as necessary)

The Idealliance Print Properties Digital Print Working Group has established a certification process for digital production presses (xerographic/inkjet). The following information is intended to assist printers and customers in understanding the printing conditions and how they were achieved and/or to replicate these results on a similar system.

I. Manufacturer

RICOH Company,Ltd.

II. Product Name

Print Engine Model: Pro C7200/C7210/C7200S/C7210S/C7200X/C7210X/C7200SX/C7210SX//C7200e

DFE: TotalFlow Print Server R-62A (v3.02.002)

Substrate: **Mohawk Color Copy Pure White Gloss 100 text（148gsm）**

III. Overview

RICOH's TotalFlow Print Server is an intelligent and robust print controller that enables users to build and manage jobs for both offset and digital through one common interface. Designed specifically for commercial print environments that utilize the prepress workflow system and employ a combination of offset presses and RICOH color digital printing systems. It creates a hybrid workflow, which allows these mixed environments to realize and capitalize on a true offset to digital conversion model.

IV. System Components and Printing Procedure

System Components

Printer: RICOH Pro C7200S series need the finisher or stacker to stack coated paper
DFE: TotalFlow Print Server R-62A
Paper: Mohawk Color Copy Pure White Gloss 100 text （148gsm）
Software: X-Rite i1Profiler
Measurement: X-Rite i1Pro 2 Spectrophotometer, Eye-one iSis2 XL

Printing Procedure

Set Media information in Printer

1) Touch “Tray Paper Setting” on the Printer’s Operator panel.
2) Touch the number of the tray containing the Mohawk paper.
3) Select “Manual Setting” and edit the setting according the following information.
   - Paper weight: 128.0(105.1 – 163.0)
   - Paper Type: Coated Glossy
   - Paper Size: Automatic

Create new calibration set for the paper with TotalFlow.

1) In TotalFlow, select “Configuration” tab and “Calibration” menu.
2) Select “Create new” and input any name to ”New calibration name”.
3) Set some setting according the following information and click “Print calibration page”.
   - Tray / paper: (The number of the tray which have the mohawk paper)
   - Measure results with “i1Pro2 attached spectrophotometer”
   - Scan mode: Strip
   - Halftone screen: 200Line
4) Connect i1Pro 2 to DFE
5) Measure the calibration sheet according the instruction of TotalFlow.
6) Save the new calibration set on TotalFlow.

Create a printer profile with i1Profiler.

1) In i1Profiler, change “User Mode” to “Advanced”.
2) In “Printer” menu, select “CMY printer” at Device selection and click “Profiling”.
3) In “Patch Set” step, set “Total Ink Coverage” to 260 and go to the next step.
4) In “Test Chart” step, select “i1iSis2XL” at Device setup, click “save as” button to save the patch data as pdf.
5) In TotalFow, execute calibration before printing the patch set.
   5-1) access “Calibration” menu and select “Update existing calibration”
   5-2) Select the tray that you created the calibration set
   5-3) Set some setting according the following information and click “Print calibration page”.
      - Measure results with “i1Pro2 attached spectrophotometer”
      - Scan mode: Strip
   5-4) Connect i1Pro 2 to DFE
   5-5) Measure the calibration sheet according the instruction of TotalFlow.
   5-6) After Measurement, click “SAVE CALIBRATION” to finish the calibration.
6) Import the pdf data to totalFlow
   6-1) Save the pdf on the USB memory and connect it to DEF.
   6-2) On TotalFlow, click “Submit Job”, select the pdf in the USB memory and click “Edit”.
   6-3) Be sure to set the following job properties using the opened the setting window.
      - “Paper” menu: Paper: (select the tray having the Mohawk paper)
      - “Color” menu: Input Profiles: CMYK input profile: “Pass through"
      - “Print Quality” menu: Halftone screening: “200Line + fine text”
   6-4) Click “Print” to print the pdf.
7) Connect i1iSis2XL to the PC which use i1Profiler and set the printed chart to i1iSis2XL.
8) In “Measurement” step of i1Profiler, select “Dual Scan” at Measurement mode, click “Measure” to measure the printed chart.
9) After measurement, select “M1” at Measurement conditions and go to the next step.
10) In “Profile Setting” step, set “Total Ink Coverage” to 260, Put a check mark to “use intelligent black” and go to the next step.
11) In “ICC Profile” step, input File name and click “Create and save profile” to create the Printer profile. (the created file format is “icm”.)

Print the Digital Press Forms.

1) Save the Digital Press Forms and the created profile on the USB memory and connect it to DEF.
2) execute calibration. (Refer to the above procedure about Calibration)
3) Import the created profile to TotalFlow.
   3-1) select “Configuration” tab and “Profiles” menu.
   3-2) Click the pencil mark near “Printer profile” setting.
   3-3) Click “Import profile” and select the created profile from USB memory.
4) Import the Digital Press Forms to TotalFlow.
   4-1) Click “Submit Job”, select it in the USB memory and click “Edit”.

4-2) Be sure to set the following job properties using the opened the setting window.
- “Paper” menu: Paper: (select the tray having the Mohawk paper)
- “Color” menu: Input Profiles: CMYK input profile: “GRACoL2013 CRPC6”
- “Color” menu: Printer Profiles: Printer profile, front: (the imported profile)
- “Color” menu: Printer Profiles: Rendering intent: “Absolute Colorimetric”
- “Print Quality” menu: Halftone screening: “200Line + fine text”

4-3) Click “Print” to print it.

[Remark]
The calibration is recommended just before printing, and it can confirm the result of calibration after measuring the calibration page by clicking “PRINT VERIFICATION PAGE”.

V. Finishing Procedures (Optional)

None.

VI. Additional Data (Optional)

None.