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IDEAlliance® Digital Press Certification Application Data Sheet

EFI imagePRESS Servers A1200, A2200, A3200 for Canon imagePRESS C7010VP/C6010VP/C6010

Note: Certification is in accordance with IDEAlliance Digital Press Certification Program v2.2

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

Electronics for Imaging
303 Velocity Way
Foster City, CA 94404

Certified August 26, 2011

II. Product Name

Canon imagePRESS C6010 / imagePRESS Server A1200 / System 9R2 / EFI Laser Proof Paper XF130 Semimatt

Canon imagePRESS 7010VP-6010VP-C6010 / imagePRESS Server A2200 / System 9R2 / EFI Laser Proof Paper XF130 Semimatt

Canon imagePRESS 7010VP-6010VP / imagePRESS Server A3200 / System 9R2 / EFI Laser Proof Paper XF130 Semimatt

III. Overview

Flexible and scalable Fiery servers integrate into any print environment, deliver high performance, image with industry standard precision, and produce accurate color for all environments.

• Deliver professional color and consistency from anyone.

• Color Profiler Suite option provides tools and features to match press standards and monitor colorimetric conformance

• Decreases set-up time, reduces errors and costly reprints dramatically.

• Provides high return of investment with a flexible, scalable product line.

• Integrates into all print environments because of its open platform technology.

• Supports variable data printing.

IV. System Components and Printing Procedure

DFE: Fiery imagePRESS Server A3200
Software: Command Work Station
    EFI Color Profiler Suite
    Xrite ColorPort
Measurement: EFI ES-1000 Spectrophotometer or GretagMachbeth Eye-One
    Eye-one iSis XL
Printer: Canon imagePRESS C7010VP
Paper: EFI Laser Proof Paper XF130 Semimatt 130 gsm
    Hammermill Color Copy Paper 24 lb.

Warm up printer and calibrate

All calibration procedures on the printer are expecting plain paper. Use Hammermill Color Copy Paper 24 lb. There are three adjustment procedures to be run to help insure the engine is a reproducible state.

1) Run Shading Correction from the Fiery Calibrator. Follow the steps in Fiery Calibrator and on the imagePRESS LCD.
2) Run Auto Gradation, Full adjustment, from the imagePRESS LCD control panel.
3) Perform Fiery Calibration using a spectrophotometer. EFI ES-1000 Spectrophotometer or GretagMachbeth Eye-One is recommended.

Create an output profile

Set "Canon iPR C70x0VP/C60x0 Coated v2F" as the Default Output Profile in Command Work Station at Device Center : Color Setup : Color Management.

Print the Digital Press Form 1 pdf bypassing color conversion. Follows are the Print Properties needed to capture the Printers calibrated state, for creating an ICC profile. Any other settings should be set to the server's factory defaults besides some exceptions such as media tray settings.

• Media : Media Type : 2-Sided Coated 3 (129-150 gsm)
• Color : Color Management : CMYK : Bypass Conversion
• Color : Color Management : Gray and black : CMYK : Off
• Color : Color Management : Expert Settings : Gray and Black Processing : Black text and Graphics : Normal
• Color : Color Management : Expert Settings : Gray and Black Processing : Black Overprint : Off
• Color : Color Management : Output Profile : Canon iPR C70x0VP/C60x0 Coated v2F
• Image : Resolution : 1200dpi

Next measure the IT8.7/4 section of the press form into ColorPort, utilizing the Eye-One iSis, including UV data.. Save the measurements in the CGATS format, conversion none.

Note: While Fiery Color Profiler Suite recognizes this format, the line with "DEVCALSTD XRGA" present in certain measurement file headers should be commented out or deleted. This allows the ColorPort measurement file to conform to the CGATS file specification and be successfully read by Fiery Color Profiler Suite.

Create Printer Profile with EFI Color Profiler Suite. Skip to Convert Measurements to Profile. Import settings from Fiery by following the GUI's instructions, and select the Canon iPR C70x0VP/C60x0 Coated v2F profile. Generic or custom settings can also be used as needed. It is important to insure that the "Include ColorWise calibration goal" is Off. Save the new output profile to the server, or local file and import to the server.

Print the Digital Press Forms

Use the following set of Print Properties as a baseline for printing the press forms. There are individual exceptions for some of the press forms that will be noted.

• Media : Media Type : 2-Sided Coated 3 (129-150 gsm)
• Color : Color Management : CMYK : GRACoL2006 Coated 1 (EFI)
• Color : Color Management : CMYK : Full (Output GCR)
• Color : Color Management : Gray and black : CMYK : Off
• Color : Color Management : Output Profile : <newly created XF130 Profile>
• Color : Color Management : Expert Settings : Color Input : Paper Simulation : On
• Color : Color Management : Expert Settings : Gray and Black Processing : Black text and Graphics : Normal
• Color : Color Management : Expert Settings : Gray and Black Processing : Black Overprint : Off
• Image : Resolution : 1200dpi

For Digital Press Form 4 (Section 2.6) make these changes to the black handling:

• Color : Color Management : Expert Settings : Gray and Black Processing : Black text and Graphics : Pure Black On
• Color : Color Management : Expert Settings : Gray and Black Processing : Black Overprint : Text

For Digital Press Form 6 (Section 2.8, 2.9, 2.10) turn off color processing.

• Color : Color Management : CMYK : ColorWise Off

For Digital Press Form 3 (Section 2.5), the repeatability test, it is recommended for best results to perform calibration prior to making these prints. Always use the same device as the initial Fiery Calibration.

V. Finishing Procedures (Optional)

N/A

VI. Additional Data (Optional)

Users can also achieve this match using Color Profiler Suite (CPS) with EFI ES-1000. Launch CPS and select Create Profile Printer Module. Select "Print Patches". Specify 1617 random (CGATS IT8.7/4) patch set. Select "Use Current Calibration", under Print Patches : Expert Settings. Set Print Properties as specified in the "Create an output profile" section above. Measure patches with the EFI ES-1000 as directed by the Fiery Printer Profiler. Import Settings from "Canon iPR C70x0VP/C60x0 Coated v2F", or use generic CMYK or custom settings as necessary.

Device Linker "Match to a Standard" iterative profile enhancement can be used to refine color match precision if desired.