

**Canon**

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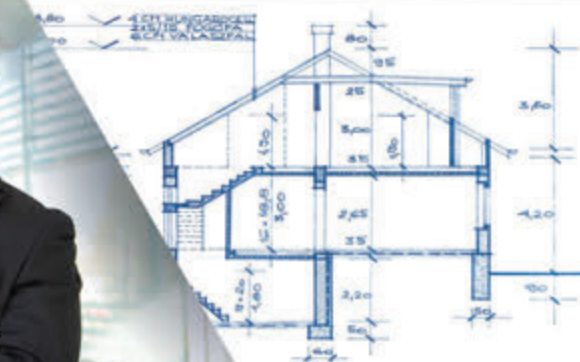
 **imagePROGRAF**  
**iPF850/840/830**

 MORE THAN EXPECTED



TECHNICAL  
DOCUMENTS

LARGE-FORMAT  
PRINTING SOLUTIONS



 **CANON SEE IMPOSSIBLE**



## Introducing the iPF850/iPF840/iPF830 Large-Format Printers.

Advanced Large-Format Solutions for  
Technical Documents Production Printing.

These printers bring in new capabilities to high-volume inkjet printing for the imagePROGRAF line. The introduction of the high-capacity stacker\* coupled with the reformulated magenta ink, Gigabit Ethernet compatibility, and Two Media Roll System,\*\* produce the fine lines, speed, and functionality you'd expect from an imagePROGRAF large-format printer. With a 320 GB hard drive and Sub-Ink Tank system, these printers can fit virtually into any high-volume, inkjet workflow.

## FEATURES

### High Productivity

The iPF850 printers' high-capacity stacker\* manages mix-size sets, making it easier for you to get the job done faster and efficiently.

The Two Media Roll System and Auto Roll Switching feature on the iPF850/iPF840 printers can have you printing without the need to change media types and roll size in the middle of a job.

The printers are capable of producing an Arch D-sized print in approximately 22 seconds.\*\*\*

### Continuous Printing

Canon's Sub-Ink Tank System lets you swap inks on-the-fly. Couple that with the available 700 ml Canon Ink Tanks and these printers can do the long continuous printing needed when running high production jobs.

### Vivid Colors

The reformulated magenta ink helps improve the clarity and vibrancy of the fine lines, images, and text of your documents.

\* iPF850 only.

\*\* iPF850/iPF840 only.

\*\*\* Arch D plain paper, cut speed: Fast mode.

## HIGH PRODUCTIVITY

### HIGH-CAPACITY STACKER

The iPF850 printer offers the efficiency needed by high-volume inkjet users. With the capability of stacking up to 100 Arch E-sized drawings, the iPF850 printer's high-capacity stacker\* manages different size media. And the prints are stacked in the front of the unit, making it easy to retrieve your documents.

### DUAL ROLL

It's about continuous workflow, whether you're printing all day or all week. The iPF850/iPF840 printers make it easy to keep the job going with their Two Media Roll System, producing breathtaking technical drawings and images. Without the hassle of constantly changing paper when the job requires a mixed set of different media or roll size, your workflow can increase with the automatic routing feature by sending your job to the correct roll on the right media.

### PRINT SPEED

The iPF850/iPF840/iPF830 printers produce stunning technical drawings at a highly efficient rate. Capable of producing an Arch D-sized print in just 22 seconds,† these printers fit into most high production or print-for-pay workflows.

### Fast Data Transfer

Printing jobs quick is important on the work site and in the office. The Gigabit Ethernet connectivity can transfer large technical drawing files to help speed up your workflow, making it ideal for high-volume printing.

## SOFTWARE

### WIRELESS PRINTING

Speed up your workflow with the imagePROGRAF Print Utility, Canon's wireless printing mobile app†† via an Apple® iPad®. It gives you needed mobility when on the job site. You can preview a PDF, JPEG, or PNG file prior to printing and utilize some of the great tools, such as selecting the number of copies, orientation, and quality using Canon's Printer Driver. Download it free in the App Store<sup>SM</sup>.

### FILE HANDLING

Printing professionally means handling big jobs—and those come with different files from different people in different places. These printers produce large sets with Direct Print & Share,††† a file sharing and printing software with support for PDF, JPEG, TIFF, and HP/GL-2 files.

### ECONOMICAL PRINTING MADE EASY

Stop the guessing game. Tracking the cost-per-print and total cost for a job is made easy with the built-in Accounting Manager▲ feature located within Status Monitor. Export the raw data to a CSV file and import information into your own system.

### POSTER CREATION SOFTWARE

Creating posters by hand is time-consuming and inconsistent. Canon's PosterArtist Lite▲ offers the ease, creativity, and professional look you want when designing a poster. The built-in Web link connects users directly to the PosterArtist site for useful hints, tips, and even more content for download. Download a free demo at [www.usa.canon.com/posterartist](http://www.usa.canon.com/posterartist).



iPF850

Two media roll system high-volume inkjet model with High Capacity Stacker



iPF840

Two media roll system high-volume inkjet model▲▲



iPF830

One media roll system high-volume inkjet model

\* iPF850 only. \*\* iPF850/iPF840 only. † Plain paper: Fast mode

†† Available on App Store<sup>SM</sup>. Compatible with iPad® 2 or later, running iOS 6.1 or later. Data charges may apply. Mobile device and large-format printer must utilize the same network. Printer must be connected to the same router that mobile device is connected to via wireless capability. Wireless performance may vary based on terrain and distance between the printer and wireless network clients. In order to print from imagePROGRAF Print Utility, user must open their PDF, JPEG, PNG file in another, supported iPad® app. Then, the user would select "Open in" and choose the print utility app.

††† Your server must be compatible with a webDAV enabled cloud account, including but not limited to, Google, Carbonite or Rackspace, to take advantage of the cloud functionality. Storage capacity and any pricing thereof is based on the third-party cloud provider's current offering, at its sole discretion. Your cloud account is subject to the third-party cloud provider's terms and conditions. Neither Canon Inc. nor Canon U.S.A., Inc. represents or warrants any third-party product, service, or feature referenced hereunder.

▲ PC only. ▲▲ Included Portable Media Basket not shown.

# SPECIFICATIONS



**Print-Head**  
PF-04

**Technology**  
FINE (Photolithography Inkjet Nozzle Engineering)

**Print Resolution (Max.)**  
2400 x 1200 dpi

**Line Accuracy\***  
±0.1% or Less

**Minimum Line Weight\*\***  
0.02 mm

**Number of Nozzles**  
Matte Black: 5,120 Nozzles  
Other Colors: 2,560 Nozzles per Color

**Droplet Size**  
4 Picoliter

**Nozzle Pitch (Head Resolution)**  
1200 dpi x Two Rows

**Print-Head Swath**  
1.07 inch

**Ink Type**  
**Dye:** Cyan (C), Magenta (M), Yellow (Y), Black (BK)  
**Pigment:** Matte Black (MBK)

**Ink Tank**  
**Shipped with Printer:** PFI-307 (330 ml) MBK, C, M, Y, BK

**Replacement:** PFI-307 (330 ml) MBK, C, M, Y, BK  
PFI-707 (700 ml) MBK, C, M, Y, BK

**Ink Supply Method**  
Tubing System with Sub-tanks for Continuous Ink Supply

**Nozzle Recovery System**  
Non-firing Nozzle Detection and Compensation

**Printer Controller**  
L-COA Controller

**Printer Memory**  
32 GB Dedicated File Processing Memory

**Printer RAM**  
384 MB

**Hard Drive**  
320 GB

**Mail Boxes (User Job Storage)**  
One Common Inbox; 29 User Inboxes (Password-protected)

**Media Feed**  
**Roll Feed:** iPF830: One Roll, Front-loading, Front Output  
iPF840: Two Rolls, Front-loading, Front Output  
iPF850: Two Rolls, Front-loading, Front Output

**Media Width**  
**Roll Feed:** 10" – 44" (254 mm – 1118 mm)  
**Cut Sheet:** 8" – 44" (203.2 mm – 1118 mm)

**Printable Margins**  
**Roll Feed:** All Sides: 0.12" (3 mm) or 0" for Borderless<sup>▲</sup>

**Maximum Print Length (Single Page)<sup>†</sup>**  
**Roll Feed:** 59' (18 m)  
**Cut Sheet:** 63" (1.6 m)

**Borderless Printing Widths (Roll Media Only)<sup>▲</sup>**  
10", 14", 17", 24", 36", 42" B2 (20.28"/515 mm),  
A1 (23.38"/594 mm), B0 (40.6", 1030 mm),  
A0 (33.11"/841 mm)

**Media Cutter**  
Durable Dual-Blade Rotary Cutter

**Media Thickness**  
0.07 – 0.8 mm (2.8 – 31.4 mil)

**Media Core Sizes**  
2" and 3" Core (Adapter Included)

**Maximum Roll Outer Diameter**  
5.9" (150 mm)

**Output Media Bin**  
Portable Media Basket (Standard) (iPF840/iPF830),  
44" Plain Paper High Capacity Stacker (iPF850 only)

**Printing Software**  
imagePROGRAF Printer Driver for Windows®/Mac®,  
Printer Driver Extra Kit for Windows/Mac (Free Print  
Utility Layout, Color imageRUNNER® Enlargement  
Copy, Advanced Preview), Print Plug-in for Microsoft  
Word/Excel/PowerPoint for Windows, PosterArtist  
Lite for Windows, Direct Print & Share

**Operating System**  
Windows XP, Server 2012 (64 bit),  
Server 2003 R2 (32/64 bit), Server 2008 R2, (32/64 bit),  
Windows Vista® (32/64 bit), Windows 7 (32/64 bit);  
Windows 8 (32/64 bit), Windows 8.1 (32/64 bit),  
Macintosh OS X 10.6.8-10.10

**Print Language**  
**Printer:** GARO, HP-GL/2, HP RTL

**Interface**  
**Standard (Built-in):** USB 2.0 Hi-Speed, 10/100/  
1000Base-T/TX

**Acoustic Noise**  
**Operation:** 60 dB (A) or Less (iPF850)  
52 dB or Less (iPF840/iPF830)

**Standby:** 35 dB (A) or Less

**Acoustic Power:** 7.5 Bels or Less (iPF850)  
6.8 Bels or Less (iPF840/iPF830)

**Power Supply**  
AC 100–240V (50-60Hz)

**Power Consumption**  
**Maximum:** iPF840/iPF830: 190 W or Less  
iPF850: 200 W or Less

**Standby:** 5 W or Less (11 W or Less when IEEE1394  
is Mounted)

**Power Off:** 0.5 W or Less (Executive Order Compliant)

**Certifications**  
**Electrical Safety Regulations**  
UL (USA), C-UL (Canada), S mark (Argentina), CE mark  
(EN60950, EN55022 classB, EN61000-3-2, EN-61000-  
3-3, EN55024) (EU), CB Certification (Others)

**Electromagnetic Interface Regulations**  
FCC Class B (USA), IC Class B (Canada)

**Environmental Certifications**  
ENERGY STAR® (Worldwide), RoHS Directive, WEEE,  
Executive Order (USA)

**Operational Environment**  
**Temperature:** 59 – 86 F° (15 – 30 C°)  
**Relative Humidity:** 10 – 80% (No Condensation)

**Printer Dimensions (H x W x D) and Weight with Stand  
(with Portable Media Basket Open on iPF840 and iPF830)**  
**iPF830**  
45" x 75" x 51" Approx. 380 lb.  
**iPF840**  
45" x 75" x 51" Approx. 417 lb.  
**iPF850 (with Stacker Connected)**  
45" x 75" x 52" Approx. 470 lb.

**Package Dimensions (H x W x D) and Weight**  
**iPF830**  
46" x 84" x 58" Approx. 564 lb.  
**iPF840**  
46" x 84" x 62" Approx. 697 lb.  
**iPF850**  
48" x 82" x 42" Approx. 494 lb.  
**iPF850 Stacker**  
40" x 82" x 42" Approx. 309 lb.

## Options

- Roll Holder Set (RH2-44)
- PosterArtist
- Take-up Roll (TU-06) (iPF830 only)

## User-Replaceable Items

- Ink Tank (PFI-307/PFI-707)
- Print-Head (PF-04)
- Maintenance Cartridge (MC-09 or MC-10)

## What's In The Box

**iPF830**  
Printer, Portable Media Basket, User Software  
CD (Printer Driver, Utilities), PosterArtist Lite, 5  
Ink Tanks (MBK, C, M, Y, K), 2/3" Core Media Spool,  
Print-Head, Maintenance Cartridge, Quick Setup Guide  
(Poster), Printer Reference Guide (Booklet), Power  
Cord, One-Year Onsite Limited Warranty, Registration  
Card, Stand, Hardware (For Setting Up the Printer)

**iPF840**  
All items included in iPF830, plus Secondary Roll Unit

**iPF850**  
All items included in iPF830 (except the Portable  
Media Basket), plus Secondary Roll Unit and High  
Capacity Stacker

- \* Line accuracy repeatability is guaranteed after a user performs necessary adjustment and under the same environmental conditions. Applies to media for line drawing (Plain Paper, Coated Paper, CAD Translucent Matte Film, and CAD Tracing Paper) only.
- \*\* Theoretical value based on data resolution.
- ▲ Borderless printing not available when Stacker is connected.
- † The maximum printable length varies, depending on the application, OS, and RIP used.

## Utilize the imagePROGRAF to its full potential with professional services from Canon Solutions America

When selecting and implementing new technology, a highly skilled technical team is the difference-maker for a successful deployment. Canon Solutions America has the team of experts you need to help you acquire the right technology, solutions, and services for your organization. Our team of technical professionals draws upon decades of technical expertise and real-world experience to ensure you obtain the maximum benefit from your technology investment.

For more information, call or visit  
1.800.815.4000 CSA.CANON.COM

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