

 MORE THAN EXPECTED



TECHNICAL
DOCUMENTS

LARGE-FORMAT
PRINTING SOLUTIONS





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 StoreSM.

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.



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

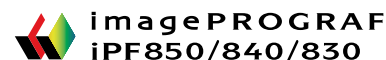
* iPF850 only. ** iPF850/iPF840 only. † Plain paper: Fast mode

†† Available on App StoreSM. 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**

0.02mm

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*[†]

Maximum Print Length (Single Page)*

Roll Feed: 59' (18 m)

Cut Sheet: 63" (1.6 m)

Borderless Printing Widths (Roll Media Only)*

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.

For more information contact Digital Print Solutions at www.dpsohio.com

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