

# imagePROGRAF iPF850

## Large Format Print Solutions for high production CAD environment

The imagePROGRAF iPF850 is a 44" printer delivering class leading productivity, exceptional quality, accuracy and an advanced set of features to ensure an excellent return on investment.



### Key features:

- Continuous productivity with high capacity 330 ml and 700 ml "hot swap" ink tanks - replaceable during production
- High capacity stacker for up to 100 sheets, which manages different size drawings up to A0 size at the same time
- Clear drawings with latest magenta ink
- Highly accurate with 0.02 mm minimum line width and +/-0.1 % line accuracy
- Dual roll to handle large print runs with different types and sizes of media
- Improved device management and security for large workgroups with eMaintenance connectivity, locking control panel and SNMPv3 protocol
- Easily print PDF, TIFF, JPEG and HP-GL/2 files, from general graphics to CAD and GIS drawings, with bundled Direct Print & Share Utility
- Easy printing from an iPad of PDF, JPEG and PNG data with Canon's especially designed free application - imagePROGRAF Print Utility for iPad
- Intuitively create, print and manage jobs with Océ Publisher Select (autumn 2015) - productive, Windows based, large format printer job submission software
- HP-GL/2 and HP-RTL compatible

iPF850

44  
INCH

DUAL PAPER ROLL

HIGH CAPACITY  
STACKER

2,400 X 1,200 DPI

5 COLOURS WITH  
NEW MAGENTA

A0 42 SECONDS

A1 22 SECONDS

15,360 NOZZLES

320 GB HDD

ECONOMY PRINTING  
MODE

**Canon**

# Specifications

# imagePROGRAF iPF850

## TECHNOLOGY

<b>Printer Type</b>	5 Colour - 44"/1117.6 mm
<b>Print Technology</b>	Canon BubbleJet on Demand 6 colours integrated type (6 chips per print head x 1 print head)
<b>Number of Nozzles</b>	Total: 15,360 MBK: 5,120 nozzles C, M, Y, BK: 2,560 nozzles each colour
<b>Print Resolution</b>	2,400 x 1,200 dpi
<b>Nozzle Pitch</b>	1,200 dpi x 2 includes Non-firing nozzle detection and compensation system
<b>Guaranteed Minimum Line Width</b>	0.02 mm
<b>Line Accuracy</b>	±0.1 % or less
<b>Ink Droplet Size</b>	4 Picoliter per colour
<b>Ink Capacity</b>	Bundled Starter Ink: 330 ml Sales ink: 330 ml or 700 ml
<b>Ink Type</b>	Dye/Pigment Reactive Ink Dye: Cyan, Magenta, Yellow, Black Pigment: Matte Black
<b>OS Compatibility</b>	<b>Windows 32 bit</b> - XP, Vista, 7, 8, 8.1, Server 2003/2003R2, Server 2008 <b>Windows 64 bit</b> - Vista, 7, 8, 8.1, Server 2003/2003R2, Server 2008/2008R2, Server 2012/2012R2 <b>Mac: OSX</b> - 10.6.8 - 10.10.x
<b>Printer Languages</b>	GARO (Graphic Arts language with Raster Operations), HP-GL/2, HP RTL
<b>Standard Interfaces</b>	USB 2.0 High-Speed Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer IEEE 802.3 10base-T IEEE 802.3u 100base-TX/Auto-Negotiation IEEE 802.3ab 1000base-T/Auto-Negotiation IEEE 802.3x Full Duplex IEEE 802.3az EEE
<b>Standard Memory</b>	32 GB (512 Mbyte)
<b>Hard Drive</b>	320 GB
<b>Software Included</b>	Canon Printer Driver, Status Monitor / Print Monitor, ExtraKit - Free Layout and IR enlargement Copy, Printer Driver Optimization Module for AutoCAD, Media Configuration Tool, PosterArtist Lite (PC only), Print Plug-in for Microsoft® Word / Excel / PowerPoint (PC only) Direct Print & Share utility, Custom Installer Creation Tool

## PRINT SPEED

<b>AO Size, Plain Paper</b>	0:42 min (Fast Economy Mode) 0:45 min (Fast Mode) 1:12 min (Standard Mode)
<b>AO Size, Coated Paper</b>	1:12 min (Fast Mode) 2:19 min (Standard Mode) 3:37 min (High Quality Mode)

## PAPER HANDLING

<b>Media Feed and Output</b>	Roll: Two Roll, front loading, front output Cut Sheet: Front-loading, Front Output(Manual feed using media locking lever)
<b>Paper path switch (roll / cut sheet)</b>	Roll / cut sheet manually switchable by user; Upper / Lower roll automatically switchable
<b>Delivery direction</b>	Face-up, front side
<b>Media Width</b>	Roll Paper: 254 - 1118 mm Manual Feed Cut Sheet: 203 - 1118 mm
<b>Media Thickness</b>	Roll Unit: 0.07 - 0.8 mm Front Loading Manual Feed: 0.07 - 0.8 mm
<b>Maximum Printable Length</b>	Roll: 18 m (varies according to the OS and application) Cut Sheet: 1.6 m

## Maximum Media Roll Diameter

150.0 mm

**Media Core Size**  
Internal diameter of roll core: 2" / 3"

**Margins Recommended area**  
Roll Paper: Top: 20 mm, Bottom: 5 mm, Side: 5 mm  
Cut Sheet: Top: 20 mm, Bottom: 23 mm, Side: 5 mm

**Margins Printable area**  
Roll Paper: Top: 3 mm, Bottom: 3 mm, Side: 3 mm  
Roll Paper (Borderless Printing): Top: 0 mm, Bottom: 0 mm, Side: 0 mm  
Cut Sheet: Top: 3 mm, Bottom: 23 mm, Side: 3 mm

## Borderless Printing Width (Roll Only)

## DIMENSIONS AND WEIGHT

<b>Physical Dimensions, Weight (Net)</b> <b>W x D x H (mm), (Kg)</b>	Main unit and Printer Stand (with basket open) 1893 (W) x 1320 (D) x 1144 (H) mm 213 kg Approximately (roll holder included, no inks, no print heads)
<b>Physical Dimensions, Weight (Packaged)</b> <b>W x D x H (mm), (Kg)</b>	Main unit (with printer stand, and palette and packaging included): 2080 (W) x 1060 (D) x 1220 (H) mm Weight: approx.174 kg Stacker, Lower roll unit, Lower rail (palette and packaging included) (RS-01): 2080 (W) x 1060 (D) x 1026 (H) mm Weight: approx.140 kg

## POWER AND OPERATING REQUIREMENTS

<b>Power Supply</b>	AC 100 - 240V (50 - 60 Hz)
<b>Power Consumption</b>	Operation: 200 W or less Standby power consumption (At the low power mode): 5 W or less Default setting for the time to enter the Sleep mode: Approx. 5 Minutes Power Off Standby: 0.5 W or less (Corresponds to LOT6)
<b>Operating Environment</b>	15 - 30°C, 10 - 80 % (Condensation free)
<b>Acoustic Noise (Power/Pressure LWA d)</b>	Operation: 60 dB (A) or less Standby: 35 dB (A) or less Measured in the above conditions, based on ISO 7779 Operation: 7.5 Bels or less Measurement Conditions : Plain paper, standard mode (1pass/25ips) / Normal temperature and normal humidity

## Regulations

## Environment Certificates

## WHAT'S INCLUDED

**What's in the Box?**  
1 print head, 1 set of starter ink tanks, 3 inch core adapters, Set up guide, User software CD-ROM (Mac & Win), A2 calibration sheet, PosterArtist Lite software CD-ROM, Announcement of LFP Survey Program, EAC leaflet, Quick guide, PRINTER STAND, Product security /environmental regulation manual, Printer Stand Setup Guide, EU/UK Power cord

## OPTIONS

**Optional Items**  
Roll Holder Set (for both 2-inch and 3-inch core roll media): RH2-44  
Roll Unit & Stacker (Mandatory): RS-01

## CONSUMABLES

### User Replaceable Items

Ink Tanks:  
PFI-307 BK / MBK / C / M / Y (330 ml)  
PFI-707 BK / MBK / C / M / Y (700 ml)  
Print Head: PF-04  
Maintenance Cartridge: MC-10

Some images are simulated for clarity of reproduction. All data is based on Canon's standard testing methods. This leaflet and the specifications of the product have been developed prior to the date of product launch. Final specifications are subject to change without notice.™ and ®: All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers in their markets and/or countries.

Canon recommends you use Canon Media for the best results. Please check media (paper) compatibility list to see which variety of paper/media is recommended.



Canon Inc.  
canon.com  
Canon Europe  
canon-europe.com  
English edition  
© Canon Europa N.V., 2015

Canon (UK) Ltd  
Woodhatch  
Reigate  
Surrey RH2 8BF  
Telephone no 01737 220000  
Facsimile 01737 220022  
canon.co.uk

Canon Ireland  
3006 Lake Drive  
Citywest, Saggart  
Co. Dublin, Ireland  
Telephone No: 01 2052400  
Facsimile No: 01 2052525  
canon.ie

