

# iPF820/810

## SPECIFICATIONS

**Print-Head**  
PF-03

**Technology**  
FINE (Photolithography Ink-jet 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 (K)  
**Pigment:** Matte Black (MBK)

**Ink Tank**  
**Shipped with Printer:** PFI-303 (330ml) MBK, C, M, Y, K

**Replacement:** PFI-703 (700ml) MBK, C, M, Y, K  
PFI-303 (330ml) MBK, C, M, Y, K

**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**  
384MB

**Hard Drive**  
80GB

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

**Media Feed**  
**Roll Feed:** iPF810: One Roll, Front-loading, Front Output  
iPF820: Two Rolls, Front-loading, Front Output

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

**Printable Margins**  
**Roll Feed:** All Sides: 0.12" (3mm) or 0" for Borderless

**Maximum Print Length (Single Page)†**  
**Roll Feed:** 59' (18m)

**Cut Sheet:** 63' (1.6m)

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

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

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

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

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

**Output Media Bin**  
Portable Media Basket (Standard), 44" Plain Paper  
Stacker (Optional), Media Take-Up Reel (Optional,  
iPF810 only)

**Printing Software**  
**iPF810/iPF820**  
imagePROGRAF Printer Driver, HDI Driver††, Printer Driver  
Extra Kit (Free Layout, imageRUNNER Linking Function),  
Print Plug-in for Microsoft® Office

**iPF820 PRO/iPF810 PRO‡**  
Above plus RATIO® CAD|STATION PS+  
CAD|STATION PS+ Server, PLOTCLIENT|SET,  
PLOTCLIENT|HDI, PLOTCLIENT|WEB, WINPRINT)

**Operating System**  
**Printer Driver**  
Windows 32-bit 2000/XP/Server 2003/Vista/Server  
2008, Windows 64-bit XP/Server 2003/Vista/Server  
2008, Macintosh® OS X (10.2.8, 10.3.x, 10.4.x),  
Macintosh OS X CUPS (10.4.9, 10.5.x)

**CAD|STATION Server**  
Windows 2000/XP/2003 Server/Vista

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

**CAD|STATION PS+ (PRO Models Only)**  
Adobe® PostScript® 3, PDF 1.4, EPS, HP-GL,  
HP-GL/2, HP RTL, DWF, DWG, PLT, CALS,  
CGM, TIFF, JPEG, BMP, CALS, CGM

**Interface**  
**Standard (Built-in):** USB 2.0 Hi-Speed, 10/100Base-T/TX  
**Optional:** IEEE1394 (FireWire)

**Acoustic Noise**  
**Operation:** 52dB (A) or Less

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

**Acoustic Power:** 6.8 Bels or Less

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

**Power Consumption**  
**Maximum:** 190W or Less  
**Standby:** 6W or Less (11W or less when IEEE1394 is mounted)

**Power Off:** 1W 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**  
**iPF810/iPF810 PRO**  
45.1" x 74.6" x 50.9" (1144mm x 1893mm x 1291mm),  
Approx. 335 lb. (152kg)

**iPF820/iPF820 PRO**  
45.1" x 74.6" x 50.9" (1144mm x 1893mm x 1291mm),  
Approx. 417 lb. (189kg)

**Package Dimensions (H x W x D) and Weight**  
**iPF810/iPF810 PRO**  
49.8" x 92.5" x 62.4" (1263mm x 2384mm x 1585mm),  
Approx. 664 lb. (301kg)

**iPF820/iPF820 PRO**  
49.8" x 92.5" x 62.4" (1263mm x 2384mm x 1585mm),  
Approx. 768 lb. (348kg)

**Options**  
• IEEE1394 Expansion Board (EB-05)  
• 44" Plain Paper Stacker  
• Take-Up Unit (TU-06)  
• Roll Holder Set (RH2-44)  
• PosterArtist

**User-Replaceable Items**  
• Ink Tank (PFI-303/PFI-703)  
• Print-Head (PF-03)  
• Maintenance Cartridge (MC-09)

**What's In The Box**  
**iPF810**  
Printer, Portable Media Basket, User Software CD  
(Printer Driver, HDI Driver, Utilities), 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)

**iPF820**  
All items included in iPF810, plus Secondary Roll Unit

**iPF820 PRO/iPF810 PRO**  
All items included in iPF810 or iPF820, plus  
CAD|STATION PS+ Package

\* 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.

† The maximum printable length varies, depending on the  
application, OS, and RIP used.

†† For AutoCAD or AutoCAD LT 2000/2000i/2002/2004/2005/  
2006/2007/2008/2009

‡ For high-speed and error-free printing of PostScript files  
such as PS, PDF or EPS, using CAD|STATION PS+ software  
in iPF810 PRO or iPF820 PRO is strongly recommended.  
Alternatively, other PostScript compatible RIP package may  
be used to print PostScript files. For a list of Canon  
recommended RIP packages, please consult with  
Canon Alliance and Industry Market program list  
of RIP vendors at [www.usa.canon.com](http://www.usa.canon.com).

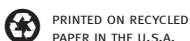
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