

iPF 820/810

Quick Product Overview



Large-Format Solutions for Technical Documents Production Printing

MAXIMUM PRODUCTIVITY

- Print 2-D sized prints per minute or 120 -D sized prints per hour, in color or monochrome*
- The iPF820 is equipped with automatically switching, dual media rolls to enable fast, consecutive printing of different size and media type
- Send large sets of files from multiple workstations to a built-in 80GB Hard Drive
- Economy Print Mode allows for lower cost of operation
- High-density print head with 15,360 nozzles provides high-speed, accurate results
- Self-propelled cutter can start cutting immediately after printing is finished for fast throughput time for multiple page documents
- Sub-ink tank system allows for changing ink without interrupting a print job
- High-capacity media basket allows for long print runs
- Optional 44" Plain Paper Stacker, with a 300-sheet capacity, neatly stacks collated sets for unattended printing and easier distribution

VERSATILITY

- Direct printing support for HP-GL/2 and HP RTL
- The enhanced HDI Driver enables direct printing from AutoCAD® and AutoCAD LT
- 80 GB hard drive supports multiple methods of data erasure and document security



HIGH QUALITY PRINTING

- High-resolution output up to 2400x1200 dpi
- Print fine 0.02mm thick lines with tiny 4-picoliter ink droplets
- Precise $\pm 0.1\%$ line accuracy
- Unique 5-color dye/pigment Reactive Ink technology optimizes imaging
- Pigment Matte Black ink for durable line drawings and text
- Canon's advanced L-COA high-speed processor optimizes performance

EASY TO USE

- Real Preview feature in print driver allows for last-minute adjustments on user print jobs
- Convenient media feed options for everyday use
- Large LCD panel for better visibility and more detailed information
- Easy access to user manuals, product information and software applications
- Intuitive printer driver UI enables easy selection of automatic roll switching functionality

PRO Models (includes CAD|STATION PS+)

- Included software offers the following:
 - True Adobe PS color RIP
 - A complete set of tools to enable and manage batch printing more efficiently
 - Cost tracking and invoicing application options
 - Plot files via the Internet
 - and more....



General User Interface



PLOTCLIENT|WEB



Specifications Overview

Printer Width	44"
Printing Technology	Bubble Jet™ (Thermal Inkjet)
Ink Type	Dye and Pigment Ink Set Dye {C, M, Y, BK} Pigment {MBK}
Max Resolution	2400 x 1200 dpi
Ink Tank Size	330ml or 700ml
Print Head	End-user replaceable, PF-03
Droplet Size	4 Picoliter (fixed)
Nozzles	15,360 total nozzles 2,560 nozzles for dye (C, M, Y, K) 5,120 nozzles for pigment (MBK)
Hard Drive	80GB
Memory	384MB
Standard Interface	USB 2.0 & 10/100-Base T/TX
Optional Interface	IEEE1394 (FireWire Card)
Borderless Printing	All four sides with specified roll sizes and media up to 42"
Media Thickness	0.07mm – 0.8mm
Line Accuracy	±0.1% or less
Driver Software	Windows (2000, XP, Vista 32/64 bit), Macintosh (OS9, OS10)
Print Speeds *	2-D sized prints per min, 120 D-sized prints per hour*
Included Software	Printer Driver Extra Kit (Free Layout, imageRUNNER Linking Function), Digital Photo Front-Access, HDI Driver PRO Versions: CAD STATION PS+

5-Color Dye/Pigment Reactive Ink Technology – Four colorfast dye-based inks (Cyan, Magenta, Yellow, and Black) ensure bold expressive color output, while two channels of pigment-based Matte Black ink enhance the quality of line drawings and text-oriented office documents.

Fast, High-Quality, High-Resolution Output – A large 1.07' high-density print-head deposits tiny droplets of ink (4pl) through 15,350 nozzles to produce high resolution output up to 2400 x 1200 dpi.

Economy Print Mode – This option enables the production of draft prints on select media while reducing total ink consumption by regulating the use of all inks to produce quick check plots while minimizing the cost per print.

80GB Internal Hard Drive – The iPF820/iPF810 has a large hard drive built right into the printer, which is ideal for those workgroups who need to print large files or sets of files from multiple workstations. This gives multiple users the ability to share a printer and allows print jobs to be saved for quick reprinting, in turn simplifying the workflow.

Workgroup Printing – Now multiple users can organize and manage their print jobs easily via the system's remote user interface with up to 30 mailboxes, 29 of which are password-protected.

Hard Drive Security – The 80GB hard drive supports multiple methods of data erasure and document security, ranging from a quick and easy option that simply removes file system information to a triple overwrite of the hard drive that conforms to the DoD.52220.22-M standard of the U.S. Department of Defense.

Software

Canon Printer Driver – This Windows® and Macintosh® driver has simplified page setup options, 1-touch borderless printing, free layout, expanded color settings and much more. The Real Preview feature provides the ability to modify print settings for last minute adjustments to correct potential layout errors through a real-time preview window. Along with an imageRUNNER Enlargement Copy feature, the Canon Printer Driver gives even the most advanced users the tools needed to stay productive.

CAD|STATION PS+ – Within the PRO models, CAD|STATION PS+, a True Adobe® PostScript® workflow software solution is essential for those based in the color reprographic and technical documents markets. This server based application supports printing of PS, PDF, JPEG, TIFF, TIFF Multipage, HP-GL, HP-GL/2, HP RTL and DWF, among others. This software also creates an efficient workflow by providing batch printing and nesting capabilities, options for web-based job submission, as well as job and print queue management abilities. Cost and account management options are also available as part of the solution.

HDI Driver – This driver converts line drawings directly from AutoCAD for accurate renderings and fast processing speeds. Users can expect sharp line renderings, accurate pen widths, crisp corners and intersections and much more when printing through this professional HDI driver.

* Print speeds noted here are bench-mark testing results conducted by Canon Inc. Each print time stated here is actual measurement of sample image output speed and is not the maximum printer speed. The data does not include data transfer time. The print speed may vary depending on the data volume and size. The testing conditions are as follows: The print time is measured from the start of printing until the image is exited out from the printer. These tests were conducted with a Pentium®4 3.2GHz running Windows XP, 1GB RAM, USB 2.0, from Adobe® Photoshop 7.0, SCID No.5 (bicycle chart).
** Paper fed from Roll on A0-sized [(827 x 1033.8mm)] paper printing at 1200 x 1200 dpi, Draft mode, on Canon Plain Paper.