

# Canon



**GRAPHIC ARTS SOLUTIONS**



 **imagePROGRAF®  
iPF5000**

## LARGE-FORMAT SOLUTIONS

### INTRODUCING THE 17-INCH imagePROGRAF iPF5000 PRINTER, THE NEXT GENERATION IN LARGE-FORMAT PRINTING

Canon has set a new standard in the way digital prints are produced. The imagePROGRAF iPF5000 printer is designed to satisfy the most critical printing needs of digital artists.



Photo credit: ©Ryszard Horowitz, 2006

 **imagePROGRAF®  
iPF5000**

This extraordinary printer ties in the new 12-color pigment ink system with LUCIA ink and innovative hardware to produce brilliant, eye-catching output that's ready in minutes.

The combination of speed and quality is achieved with two of Canon's latest technological achievements—the L-COA controller and the dual print-head system.

Multiple media-handling options in the iPF5000 device bring a new dimension to the 17-inch printer market—productivity. The ability to choose between paper types—without having to touch the printer—coupled with large ink tanks provide for an enhanced component in digital printing. The included software programs add to the iPF5000 device's uniqueness by providing an "out-of-the-box" printing solution that can be utilized by all types of digital printers. The iPF5000 device is the result of accumulated knowledge from Canon's photography, imaging, and printing technologies, all of which have been brought together to provide the next generation of digital printers.

## VIBRANT EYE-CATCHING OUTPUT, READY IN MINUTES

The printer that provides the answers—  
brilliant color, exceptional speed, and maximum productivity

LUCIA Pigment Inks

### AMAZING COLOR

The iPF5000 features Canon's newly developed 12-color pigment ink system with LUCIA ink that produces a wide color gamut to expand the range of color reproduction. The expansive color space produces brilliant color that accurately matches the image captured with fine precise detail. The two levels of gray provide a crisp monotone output that surpasses expectations. Also, the utilization of automatic switching between regular black and matte black eliminates the wasted ink and time spent swapping out ink tanks.



Dual Print-Head System

### EXCEPTIONAL SPEED

Engineered for speed and advanced image production, the iPF5000 model boasts Canon's new L-COA controller and a dual print-head system with FINE technology. The L-COA print controller intelligently processes print data and directs the two high-precision, high-density (30,720 nozzles total) print heads to lay down ink with extraordinary speed and accuracy.



Optional Cabinet Stand

### MEDIA VERSATILITY AND PRODUCTIVITY

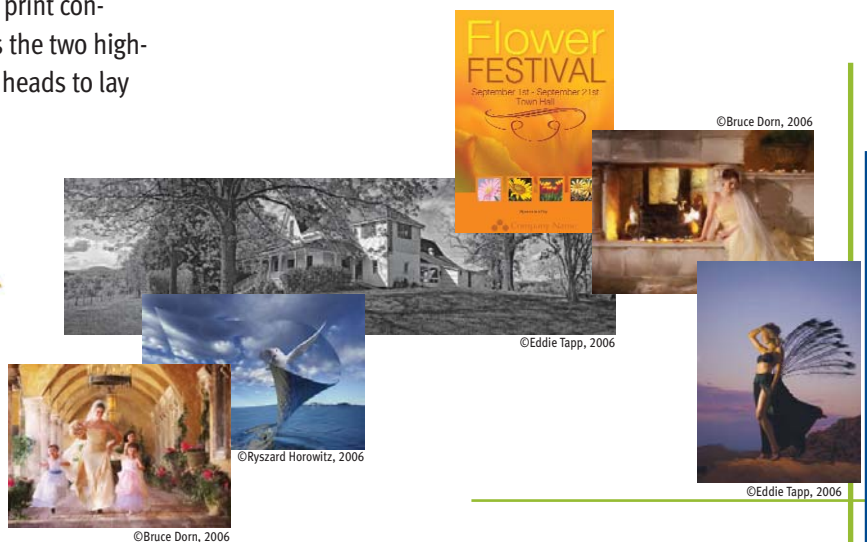
The multiple media-handling options for this printer are not just versatile, but extremely user-friendly. The printer has a standard media cassette tray, a rear manual feed, a front straight path manual feed to handle media up to 1.5mm thick, and an optional roll feed unit for printing long-length output such as murals or banners.

Productivity features such as automatic switching between the roll feed and cassette tray keep the workflow speed on par with the printer.

### BUNDLED SOFTWARE INCLUDED

Along with the printer's unique ability to print in unprecedented quality and speed is the software suite that makes the iPF5000 an ideal solution for professionals. Stunning quality prints can be created right out of the box, with software that's just as innovative as the printer itself.

- Print Plug-in for Photoshop®
- Print Plug-in for Digital Photo Professional
- Digital Photo Print Pro
- PosterArtist
- Printer Driver





# SPECIFICATIONS

## MAIN UNIT

### Print Head (PF-01)

- Technology
  - FINE (Full-Lithography Ink-Jet Nozzle Engineering)
- Configuration
  - 6 Colors per Print Head
  - Dual Print Heads (Total 12 Colors)
  - Print Head (L) Y/PC/C/PGY/GY/MBK
  - Print Head (R) PM/M/BK/R/G/B
- Replacement
  - End-User Replaceable

### Number of Nozzles

- 2,560 Nozzles per Color
- 30,720 Nozzles Total

### Droplet Size

- 4 Picoliter

### Nozzle Pitch (Head Resolution)

- 1200 dpi x 2

### Print Head Swath

- 1.07"

### Print Resolution (Max)

- 2400 x 1200 dpi

### Ink Type

- LUCIA Ink (Pigment-Based)

### Ink Tank (PF-101)

- Colors
  - Cyan, Photo Cyan, Magenta, Photo Magenta, Yellow, Black, Matte Black, Red, Green, Blue, Gray, Photo Gray

### Ink Tank Capacity\*

- 130ml per Color

### Ink Supply Method

- Tubing System

### Nozzle Recovery System

- Non-Firing Nozzle Detection and Compensation

### Printer Controller

- L-COA Controller

### Printer Memory

- 192MB

### Print Speed/A2 size\*\*

- Plain Paper\*\*\*
  - 52 Seconds
- Photo Glossy Paper†
  - 2 Minutes, 39 Seconds

### Media Feed

- Cassette
  - Up to 250 Sheets (Plain Paper, Letter) Front Output
- Top-Loading Manual Feed
  - One Sheet, Front Output
- Front-Loading Manual Feed
  - One Sheet, Front Output
- Roll Feed (Optional)
  - One Roll, Front Output

### Media Width

- 8"-17" (Cut Sheet and Roll)

### Minimum Media Length

- Roll
  - 8.00" (203.2mm)
- Cassette
  - 10.00" (254mm)
- Top Loading Manual Feed
  - 10.98" (279mm)
- Front Loading Manual Feed
  - 20.47" (520mm)

### Maximum Print Length

- Cassette
  - 23.38" (594mm)
- Manual Feed (Top/Front)
  - 24.00" (610mm)
- Roll
  - 59" (18m)†

### Borderless Printing Width (Roll Media Only)

- 10", 13", 14", 16", 17", B4 (10.12"/257mm), A2 (16.54"/420mm)

### Media Cutter

- Built-In Durable Rotary Blade

### Media Thickness

- Cassette
  - 0.08mm-0.3mm (3.2 mil-11.8 mil)

- Top-Loading Manual Feed
  - 0.08mm-0.5mm (3.2 mil-19.6 mil)
- Front-Loading Manual Feed
  - 0.5mm-1.5mm (19.6 mil-59.0 mil)
- Roll Feed
  - 0.07mm-0.8mm (2.8 mil-31.4 mil)

### Media Switching

- Automatic Roll Feed and Cassette Media Switching (From Printer Driver)

### Media Core Sizes

- 2" or 3" Core (With Supplied Adapter)

### Printable Margins

- Cassette
  - All Sides: 0.12" (3mm)
- Manual Feed (Top/Front)
  - Leading and Left/Right Edges: 0.12" (3mm), Trailing Edge: 0.90" (23mm)
- Roll Feed
  - All Sides: 0.12" (3mm) or 0" for Borderless

### Maximum Media Roll Outer Diameter

- 5.9" (150mm)

### Bundled Software

- Printing Software
  - Printer Driver 2006, Print Plug-in for Photoshop®, Print Plug-in for DPP®, Printer Driver Extra Kit\* (Free Layout, imageRUNNER Linking Function)

### Applications

- PosterArtist 2006\*\*▲▲, Digital Photo Print Pro\*\*▲▲
- Utilities
  - GARO Status Monitor, Media Configuration Tool, Remote UI

### Printer Language

- GARO (Canon Proprietary)

### Operating System\*

- Windows® 98/Me, Windows 2000/XP/2003 Server, Macintosh® OS 9.1/X 10.2/10.3/10.4

### Interface

- Standard
  - USB 2.0 High Speed
  - 10/100Base-T/TX
- Optional
  - IEEE1394 (FireWire)

### Acoustic Noise

- Operation
  - 49dB or less
- Standby
  - 30dB or less

### Power Supply

- AC 100-120V (50-60Hz)

### Power Consumption

- Maximum
  - 100W or Less
- Standby
  - 6W or Less
- Power Off
  - Less than 1W (Compliant with Executive Order)

### Certifications

- UL, FCC Class B, ENERGY STAR®

### Operational Environment

- Temperature
  - 59 - 86 F° (15 - 30 C°)
- Relative Humidity
  - 10 - 80% (No Condensation)

### Dimensions (W x D x H)

- Main Unit
  - 39.3" x 28.9" x 12.5" (999 x 733 x 317mm)
- With Optional Roll Feed Unit
  - 39.3" x 31.9" x 13.5" (999 x 810 x 344mm)
- Stand
  - 38.5" x 23.5" x 30" (977mm x 597.5mm x 760.5mm)

### Weight

- Approx. 99 lb.
- With Optional Roll Feed Unit
  - Approx. 108 lb.

### User Replaceable Items

- Print Head (PF-01)
- Maintenance Cartridge (MC-05)
- Options
  - Auto Roll Feed Unit (RU-01)
  - IEEE1394 Expansion Board (EB-05)

## MEDIA TYPES

### Matte Paper

Universal Bond Paper, Matte Coated Paper, Heavyweight Coated Paper, Heavyweight Matte Coated Paper, Premium Matte Paper, High-Resolution Paper

### Photo Paper

Premium Super-Gloss, Glossy Photographic Paper, Satin Photographic Paper, Heavyweight Glossy Photographic Paper, Heavyweight Satin Photographic Paper, Premium Bright Photo Glossy Paper, Premium Bright Photo Satin Paper, Premium Luster Photographic Paper, Premium RC Photogloss, Premium RC Photomatte

### Proofing Paper

Commercial RC Proofing Paper, Premium Proofing Paper

### Fine Art Paper

Fine Art Photo Rag, Fine Art Textured, Fine Art Enhanced Velvet, Fine Art Watercolor Paper, Fine Art Smooth Rag, Fine Art Smooth Rag Heavyweight, Fine Art Smooth Natural Rag, Fine Art Water Resistant Canvas, Graphic Matte Canvas, Canvas Semi-Glossy

\* The starter ink tanks that are initially packaged with the printer have 90ml of ink.

\*\* Print speeds noted here are bench-mark testing results conducted by Canon Inc. 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 CPU running Windows XP, 1GB RAM, USB 2.0, from Adobe® Photoshop 7.0, ISO/JIS-SCID No.5 (bicycle chart) enlarged to 410mm x 512.5mm, using printer driver default setting.

\*\*\* Paper fed from Cassette on A2-sized (16.5" x 23.4") paper, printing at 1200 x 1200 dpi, Draft mode

† Paper fed from Roll on A2-sized (16.5" x 23.4") paper, printing at 1200 x 1200 dpi, Standard mode  
‡ The maximum printable length varies depending on the application, OS, and RIP used. The maximum printable length from Printer Driver 2006 is 50 feet.

■ For Adobe Photoshop 6, 7, CS, CS2, running on Windows 2000/XP or Macintosh OS 9.1 or OS X 10.2/10.3/10.4.

■ For Digital Photo Professional version 2.1 or later running on Windows 2000/XP or Macintosh OS X 10.2/10.3/10.4.

▲ Windows 2000/XP/2003 Server

▲▲ Windows 2000/XP

\* For imagePROGRAF Printer Driver 2006. For printing from PostScript applications such as Adobe Illustrator® or QuarkXPress®, please use a PostScript compatible RIP package. For a list of RIP packages recommended by Canon, please consult with Canon Alliance and Industry Marketing program list of RIP vendors.

**Canon**  
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