

Canon

 **imagePROGRAF®**
iPF9000S/8000S

iPF S-Series

GRAPHIC ARTS

LARGE-FORMAT PRINTING



Canon imagePROGRAF S-Series large-format printers

A new breed of high-speed
production-grade printers



Announcing the imagePROGRAF S-Series large-format printers—two powerful new print engines built specifically to meet the demands of the highly competitive production printing marketplace.

Available in two sizes—the 60" iPF9000S and the 44" iPF8000S—the imagePROGRAF S-Series production printers are ideal for professional print service providers who need to produce more output in less time.

With the introduction of these new printers, Canon has significantly expanded the range of performance options available to production print centers and graphics professionals. Now more than ever, Canon imagePROGRAF printers have the right solution for you.



Poster
Samples



iPF S-Series

FEATURES



The iPF9000S 60" large-format printer and iPF8000S 44" large-format printer are production-grade workhorses that sacrifice nothing when it comes to print quality or performance.

MAXIMUM PRODUCTIVITY

- Fast throughput speeds—up to 403 ft.²/hr.
- Built-in 80GB hard drive
- Two 1.07" print-heads, with a total of 30,720 nozzles
- High-speed L-COA image processor for fast, high-quality print optimization
- Borderless printing—reduces finishing requirements
- Large 330ml or 700ml ink tanks that can be replaced on-the-fly

EXCELLENT PRINT QUALITY

- High-resolution output, up to 2400 x 1200 dpi
- Superfine 4-picoliter ink droplets produce delicate color gradation and high-definition expression.



8-color inks for ultra-high-quality imaging

LUCIA™ PIGMENT INKS

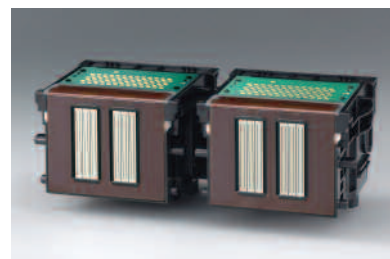
- An 8-color ink set provides a wide gamut for production print applications.
- Durable, light-fast color images resist scratching and fading

INTELLIGENT QUALITY CONTROL

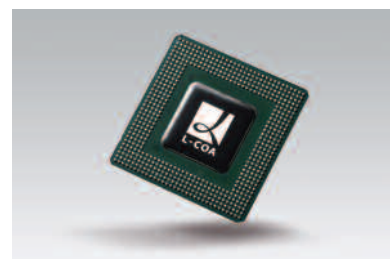
- The built-in calibration feature helps ensure consistently superior results.
- Canon's breakthrough *Kyuanos* color matching engine
- Roll media detection and management help prevent misprints.

LOW-COST OPERATION

- A new print mode reduces ink consumption 10% to 20%.
- Low maintenance, long life print-heads are built to last!
- Low operating power requirements reduce overhead costs.



Two print-heads ensure fast output



L-COA Image Processor

Print more in less time: it's a winning formula

Advanced technologies are seamlessly integrated into a single, exceptionally efficient production printing system engineered to produce more high-quality work, at a lower cost and in less time.

NEW PRINT MODE—REDUCES INK CONSUMPTION

The new Economy Print Mode produces 1200 x 1200 dpi output at 211 ft.²/hr. on coated and uncoated paper stocks while reducing ink consumption by 10% to 20%! This new feature regulates the use of Photo Cyan and Photo Magenta inks to produce high-quality output at a lower total cost!

HIGH-SPEED IMAGE PROCESSING

Driving data to the iPF9000S and iPF8000S printers and optimizing print functions is Canon's advanced L-COA processor. This intelligent, high-speed processor manages the high-volume data required for display-quality, large-format graphics and directs the print engine with speed and accuracy.

EXCEPTIONAL QUALITY WITH UNPRECEDENTED SPEED

Two large, 1.07-inch high-density print-heads eject tiny 4pl ink droplets through 30,720 nozzles to produce high-quality output—up to 2400 x 1200 dpi—with unprecedented speed. An innovative ink channel configuration accelerates print efficiency by distributing the eight colors of ink across the two print-heads for better ink coverage with each pass—and greater productivity—without sacrificing image quality.

BUILT-IN 80GB HARD DRIVE

Increased hard drive storage space at the printer increases productivity by relieving workload from the host PC while providing more capacity for print job data storage and retrieval.

DURABLE LUCIA PIGMENT INKS

Each of the S-Series printers feature eight colors of LUCIA ink (Cyan, Photo Cyan, Magenta, Photo Magenta, Yellow, Black, Matte Black, and Gray) for a dynamic color gamut with a depth and tone that's ideal for production graphics applications.

BORDERLESS PRINTING

Borderless printing reduces trimming and offline finishing requirements. Output that's ready to use straight from the printer means that more jobs can be completed in less time.

UNINTERRUPTED PRINTING

Large-capacity 330ml or 700ml ink tanks and a sub-tank system that feeds the print-heads mean long print runs can be completed without interruption, and inks can be replenished on-the-fly without stopping printing.

LOW TOTAL COST OF OPERATION

Engineered for efficiency and reliability, imagePROGRAF S-Series printers draw only 190 watts of power during use. These low-maintenance workhorses are equipped with self-cleaning, long-life print-heads that reduce the total cost of operation.



Intelligent quality control

There's little room for error in the highly competitive production printing marketplace. That's why S-Series printers come equipped with some of the most advanced quality control functions available in the industry.

BUILT-IN CALIBRATION FOR PRECISION, CONTROL, AND SUPERIOR RESULTS

When it comes to producing accurate reprints or managing output across multiple printers, the S-Series' built-in calibration function helps to ensure that you'll get the results you expect.

Unlike the complex and time-consuming color calibration normally required in professional settings, a single process enables easy reset back to original, optimal factory settings across all the printer's media types—in just minutes. This easy-to-use feature helps compensate for adverse environmental conditions while providing a predictable platform for color management and consistent color reproduction.

KYUANOS: CANON'S NEXT-GENERATION COLOR MATCHING PLATFORM

Once again at the forefront of the industry, Canon has developed *Kyuanos*, a new high-precision color matching engine. This underlying technology enables new functionality, such as Ambient Light Adjustment, and supports richer color expression across a wider spectrum of input and output formats.

MEDIA ROLL DETECTION SYSTEM

Avoid mismatching media types or running out in the middle of a job. The media roll detection system verifies the media type loaded and tracks how much is remaining on the roll. Media information is automatically printed (in text and bar code) directly on the roll before it's removed from the printer. The next time the roll is loaded, the system will read the bar code and apply the information.

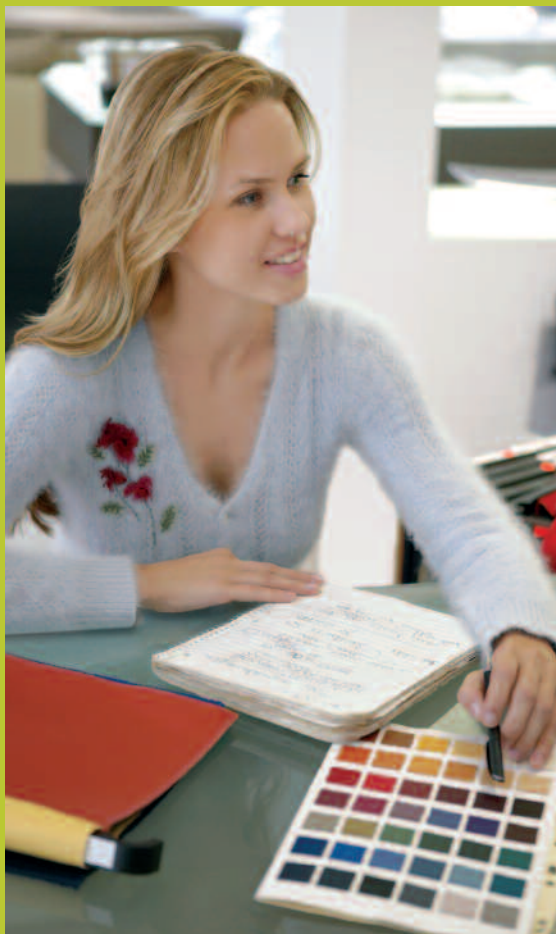


iPF S-Series

Equipped to maximize your productivity

The imagePROGRAF S-Series printers are intelligently designed systems featuring an integrated set of applications that streamline workflow, improve efficiency, and expand the versatility of output options. All S-Series printers come equipped with the following workflow solutions* to help you do more, in less time—more easily.

- **Canon Printer Driver 2007** intuitive operation with Easy and Advanced settings
- **Print Plug-in for Adobe® Photoshop®** for enhanced image processing
- **Print Plug-in Digital Photo Professional** to facilitate printing from digital cameras
- **Digital Photo Front-Access**** displays file images and provides a link to applications
- **Web-Link** for easy point-and-click access to applications and information



Created in PosterArtist 2007

OPTIONS THAT EXPAND YOUR CAPABILITIES

Canon imagePROGRAF printing systems provide a foundation on which to build sophisticated, value-added large-format graphics services.

PosterArtist 2007* (Optional): An easy-to-use poster creation tool (for PCs only) includes print-ready clip-art, royalty-free images, and over 180 professionally designed templates that can be quickly customized and output to a variety of media. PosterArtist 2007 significantly expands the range and sophistication of graphic services that you can provide by enabling:

- **Auto Design:** Select a style, images, and text. A dynamic layout engine will automatically generate multiple drafts based on the specified content elements.
- **Variable Data Printing:** Integrate variable data into posters and retail displays and other large-format graphics.
- **Ambient Light Adjustment:** Use this function to compensate for perceived color changes in various lighting environments.

Canon Alliance Partners: A wide range of compatible third-party RIPs and software solutions are available from approved Canon Alliance Partners to provide advanced functionality for high-end prepress and graphics applications.

*Please see specifications page for OS compatibility.

**PC only

imagePROGRAF S-Series—giving you the competitive advantage

Canon imagePROGRAF S-Series printers are fully integrated systems engineered to produce high-value large-format printing applications with maximum efficiency.

- **Faster turnaround time** means you can meet tight deadlines with high-speed throughput of high-resolution graphics.
- **Increase your production capacity** and take on bigger projects. These highly productive workhorses are built to produce more work in less time.
- **Prints that look great, even close up,** with high-resolution output up to 2400 x 1200 dpi and a tiny 4pl droplet of ink.



Created in PosterArtist 2007



- **Produce posters, POP displays, backlits,** and more on a wide range of media, including photo-gloss, coated papers, and film.
- **Variable Data Printing** with the optional PosterArtist 2007 software package can add value to posters and retail displays by enabling you to customize prints by location, market segment, or other data-driven criteria.
- **Less trimming and finishing** with borderless printing. The durable LUCIA pigment inks means output can be used straight from the printer.
- **Reduce per-print costs** by using less ink with the new Economy Print Mode.

Faster production of more high-value, large-format graphics at a lower cost per print—now that's a real competitive advantage!

iPF S-Series

SPECIFICATIONS



Print-Head

PF-03 (2)

Technology

FINE (Full-lithography Inkjet Nozzle Engineering)

Configuration

Two Print-Heads
Print-Head (L) PC/C/PM/GY/BK/GY
Print-Head (R) Y/MBK/M/PM/C/PC

Number of Nozzles

2,560 per Color (M/Y/BK/MBK)
5,120 per Color (C/PC/PM/GY)
30,720 Total

Droplet Size

Uniform 4 Picoliter for All Colors

Nozzle Pitch (Head Resolution)

1,200 dpi

Print Head Swath

1.07 inch

Print Resolution (Max)

2400 x 1200 dpi

Ink Type

LUCIA Ink (Pigment-based)

Replacement Ink Tank

PFI-701 (700ml) or PFI-301 (330ml)

Colors

Cyan, Photo Cyan, Magenta, Photo Magenta, Yellow,
Black, Matte Black, Gray

Ink Tank Shipped with the Printer

PFI-301 x 8 Colors (Full 330ml Each Color)

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

iPF9000S: 640MB
iPF8000S: 384MB

Media Feed

Roll Feed

One Roll, Front Loading, Front Output

Cut Sheet

One Sheet, Front Loading, Front Output

Media Width

(Cut Sheet) 8" – 44" (iPF8000S)
– 60" (iPF9000S)
(Roll Feed) 10" – 44" (iPF8000S)
– 60" (iPF9000S)

Minimum Media Length

8" (203mm)

Maximum Print Length

Manual Feed

63" (1.6m)

Roll Feed

59 Feet (18m)*

Borderless Printing Width (Roll Media Only)

10", 14", 16", 24", 36", 42"
B2 (20.28"/515mm), A1 (23.38"/594mm)
A0 (33.11"/841mm), B0 (40.55"/1030mm)

Media Cutter

User-replaceable Durable Rotary
Blade (CT-06)

Media Thickness

0.07mm–0.8mm (2.8mil–31.4mil)

Media Core Sizes

2" (3" Core with Optional 3" Core Spool)

Printable Margins

Manual Feed (Top/Front)

Leading and Left/Right Edges: 0.20" (5mm),
Trailing Edge: 0.90" (23mm)

Roll Feed

All Sides: 0.20" (5mm) or 0" for Borderless

Maximum Media Roll Outer Diameter

5.9" (150mm)

Built-in Hard Disk Capacity

80GB

Bundled Software

Printing Software

Printer Driver 2007, Print Plug-in for Photoshop®,**
Print Plug-in for Digital Photo Professional, Printer Driver
Extra Kit† (Free Layout, imageRUNNER® Linking Function)

Applications

Digital Photo Front-Access,†
PosterArtist 2007 (Optional)‡

Utilities

GARO Status Monitor with SMTP e-mail Printer Status
Notification, Media Configuration Tool, Remote UI

Printer Language

GARO (Canon Proprietary)

Operating System‡

Windows® 2000/XP/Windows Vista®
Macintosh® OS 9/X

Interface

Standard

USB 2.0
10/100Base-T/TX

Optional

IEEE1394 (FireWire®)

Acoustic Noise

Operation

51dB or Less

Standby

35dB or Less

Acoustic Power (Operation and Standby)

6.7 Bels or Less

Power Supply

AC 100–240V (50–60Hz)

Power Consumption

Maximum

190W or less

Standby (100–120V)

5W or less

Power Off (Standby, 100–120V)

Less than 1W (Compliant with Executive Order)

Certifications

Electrical Safety Regulations

UL (USA), C-UL (Canada), S mark
(Argentina), CB certification (Others)

Electromagnetic Interface Regulations

FCC Class B (USA), IC Class B (Canada)

Environmental Certifications

ENERGY STAR® (World Wide), RoHS
Directive, WEEE, Executive Order (USA)

Operational Environment

Temperature

59–86 F° (15–30 C°)

Relative Humidity

10–80% (No Condensation)

Dimensions with Stand (H x W x D)

iPF9000S:

45" x 90.5" x 30.2" (1144mm x 2299mm x 766mm)

iPF8000S:

45" x 74.5" x 38.4" (1144mm x 1893mm x 975mm)

Weight with Stand

iPF9000S: Approx. 357 lb. (162kg)

iPF8000S: Approx. 309 lb. (140kg)

User-Replaceable Items

Ink Tank PFI-301/PFI-701
Print-Head (PF-03)
Maintenance Cartridge (MC-08)
Durable Rotary Media Cutter (CT-06)

Options

IEEE1394 Expansion Board (EB-05)
Basket (BU-01)
PosterArtist 2007
Media Take-up Unit
iPF9000S: 2" Core Roll Holder (RH2-63)
iPF9000S: 3" Core Roll Holder (RH3-63)
iPF8000S: 2" Core Roll Holder (RH2-43)
iPF8000S: 3" Core Roll Holder (RH3-43)

* The maximum printable length varies depending on the application, OS, and RIP used. The maximum printable length from Printer Driver 2007 is 50 feet.

** For Adobe Photoshop 6, 7, CS, CS2, running on Windows 2000/XP/Windows Vista 32-bit or Macintosh OS 9.1 or OS X

† Windows 2000/XP/Windows Vista

‡ Windows 2000/XP/Windows Vista 32-bit

■ For imagePROGRAF Printer Driver 2007. For printing from PostScript applications such as Adobe Illustrator® or QuarkXPress®, please use a PostScript compatible RIP package. For a list of Canon recommended RIP packages, please consult with Canon Alliance and Industry Market program list of RIP vendors.

Canon
image*ANYWARE*

1-800-OK-CANON

www.usa.canon.com

Canon U.S.A., Inc.
One Canon Plaza
Lake Success, NY 11042

As an ENERGY STAR® Partner, Canon U.S.A., Inc. has determined that these products meet the ENERGY STAR guidelines for energy efficiency. ENERGY STAR and the ENERGY STAR mark are registered U.S. marks. Adobe, Photoshop, PostScript, and Illustrator are registered trademarks of Adobe Systems Incorporated in the United States and/or other countries. Windows and Windows Vista are registered trademarks of Microsoft Corporation in the United States and/or other countries. Macintosh is a trademark of Apple Computer, Inc. QuarkXPress is a trademark of Quark, Inc. and all applicable affiliated companies, Reg. U.S. Pat. and Tm. Off. and in many other countries. CANON and IMAGEPROGRAF are registered trademarks and LUCIA is a trademark of Canon Inc. in the United States and may also be registered trademarks or trademarks in other countries. IMAGEANYWARE is a trademark of Canon. All referenced product names and other marks are trademarks of their respective owners. Specifications and availability subject to change without notice. All output images are simulated. ©2007 Canon U.S.A., Inc. All rights reserved.

0114W785
0907-9000S/8000S-75M-LMC



PRINTED ON RECYCLED
PAPER IN THE U.S.A.

LUCIA
ink



FINE
Full-photolithography Inkjet
Nozzle Engineering

