

QUALITY, QUANTITY, SPEED.
PRODUCTION REDEFINED.





The Canon imagePROGRAF 60" PRO-6100S and 44" PRO-4100S large-format printers are built for advanced printing solutions. With an 8-Color LUCIA PRO ink system, these printers are ideal for bringing production signage, commercial photography, and proofing businesses to the next level.

 **LUCIA
PRO ink**



**FINE**
Full-photolithography Inkjet
Nozzle Engineering

**L-COA
PRO**

Color consistency, fast print speeds, and low running cost are why the PRO Series line of large-format printers were engineered.

FEATURES

- Intelligent Media Handling
- 4.3" touch screen
- Borderless printing
- 1.28" print head
- LUCIA PRO 8-color ink system
- High-speed L-COA PRO processor
- High-precision unibody design
- Multifunction Roll System (optional on the PRO-4100S)
- Multipositional basket
- High-capacity ink tanks
- Advanced software and workflow solutions
- Compact design
- Wi-Fi® connectivity
- Direct USB drive printing
- Sub-Ink Tank System



PRODUCTION REDEFINED

Canon thought of every detail when it came to building the ultimate large-format production printer—intelligent media handling, a large 4.3" touch screen operation panel, torque control on the Take-up unit, a Sub-Ink Tank System, and a compact size to reach a whole new level of performance.

INTELLIGENT MEDIA LOADING

For the first time ever, an imagePROGRAF printer can load and recognize paper without the need for human intervention. Simply set the roll holder in the printer and the media will automatically feed into the device. The built-in multi-sensor measures the surface reflection and the media thickness to determine the media type, without the need to manually enter it.

REMAINING MEDIA ESTIMATION

Accurately measure the remaining media on a roll without the need to print a bar code, saving both ink and media.

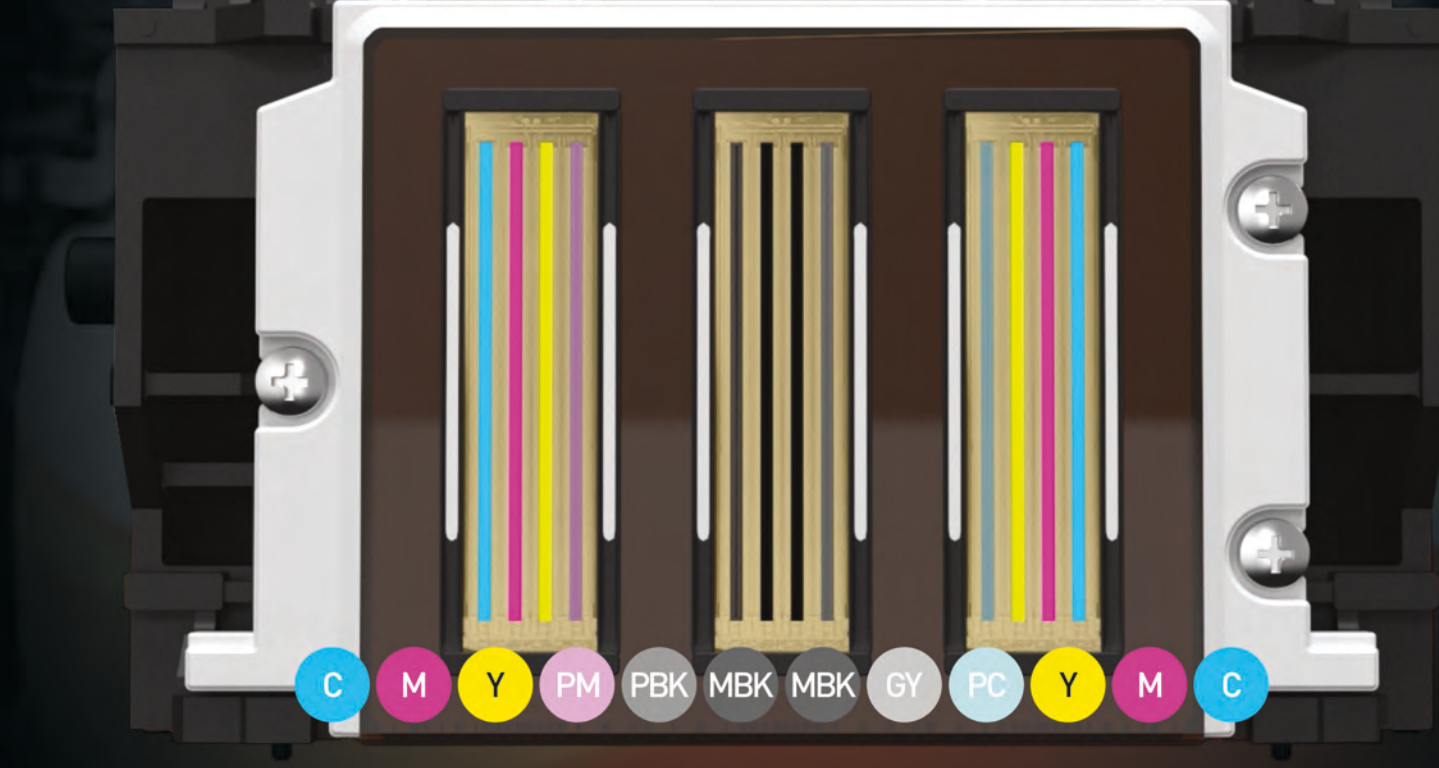
MULTIFUNCTION ROLL SYSTEM

The Canon Multifunction Roll System, standard on the PRO-6100S and optional on the PRO-4100S, can be used in two different ways—enabling a second roll of media to be loaded on the printer, or the unit can be configured as a bi-directional Take-up unit.

SUB-INK TANK SYSTEM

The Sub-Ink Tank System acts as an ink reservoir for the printer, working to remove all the ink in the tank before having to replace it—helping eliminate any wasted ink and decreasing your cost per print! The empty tanks can then be replaced on the fly, without stopping the printer and ruining the print. This is extremely useful during your long print jobs.





Embedded innovations woven together, deliver outstanding performance each and every time.

1.28"-WIDE PRINT HEAD

At the heart of the imagePROGRAF PRO-6100S and PRO-4100S printers is a single 1.28"-wide print head with 18,432 nozzles. These PRO Series printers are able to produce stunning prints with less passes, making these the fastest Canon 8-color, large-format printers ever!

LUCIA PRO INK SYSTEM

The LUCIA PRO ink set adopts microencapsulated 8-color pigment inks. These inks help you achieve fantastic color reproduction, image clarity, and fine lines, all ideal for creating vivid posters and advertising displays.

This ink set helps:

- Enhance red color performance
- Reduce graininess
- Enhance dark area reproduction

To enhance print performance, the 8 colors use all 12 ink channels in the print head. The LUCIA PRO ink is arranged in a mirror layout on the print head, symmetrically arranging the colors: C, M, Y, and MBK. This layout allows for the same ejection order of the four key colors during the bi-directional printing process, resulting in faster print speeds.

ANTI-CLOGGING TECHNOLOGY

The PF-10 print head with FINE technology generates fast print speeds and helps reduce the possibility of clogging, so ink and media aren't wasted. Ink ejection conditions are precisely checked by sensors to ensure optimal performance. If a clog is detected, another nozzle will automatically provide backup, helping to reduce the possibility of a misprint.



Canon



COLOR CALIBRATION

Producing the correct color is paramount when printing high-quality work. The built-in Color Calibration function uses a multi-sensor to read color density and to calibrate the printer, so that the last print can look identical to the first.

Need color consistency in different locations? The PRO Series gives you the ability to calibrate up to 50 printers across the world with the single click of a button.

L-COA PRO IMAGE PROCESSOR

Big jobs need fast processing. This high-precision control engine performs the high-speed processing of massive amounts of image data, generates the printing data, and controls the optimal ink layout for achieving faster print speeds.



UNIBODY DESIGN

The unibody structure was designed to provide a strong platform for stable print head scanning, resulting in precise ink droplet placement. The ultimate combination of speed and high-quality printing is achieved with this design.

BORDERLESS PRINTING

Print borderless on all paper sizes.

TRANSPARENT DESIGN

Easily check whether printing has begun and what paper size is loaded in the printer with the all new transparent media cover.



INPUT AND OUTPUT VERSATILITY

Canon-developed hardware and software innovations offer unique flexibility in any production environment.



Wi-Fi® CONNECTIVITY

Stay Connected. Wi-Fi connectivity is standard with the imagePROGRAF PRO Series.

OPERATION PANEL

The large 4.3" LCD operation-panel utilizes smart phone touch screen technology for easy operation. The top three most-used commands—Load, Feed, and Cut—now have their own buttons below the operation panel for ease of use.

DIRECT USB DRIVE PRINTING

PDF and JPEG files can be directly printed on the imagePROGRAF PRO Series from a USB thumb drive. Simply input the thumb drive into the USB port on the printer, preview the image on the operation panel, and print! Fast and easy printing without the use of a computer.

MULTIPOSITIONAL BASKET

The PRO Series printers offer choices on how prints will be outputted based on the type and quantity being produced. Each comes standard with a multipositional basket that can be configured as any of the following:

- Catch basket
- Flatbed stacker
- Slope (used to display a print)



PRINTER MANAGEMENT SOLUTIONS

PROFESSIONAL PRINT & LAYOUT

Canon's Professional Print & Layout (PPL) software for imagePROGRAF PRO Series printers offers features that streamline your printing workflow.

Features include:

- Can be used as stand-alone RIP or as export module in Adobe® Photoshop®, Adobe Lightroom, or Canon Digital Photo Professional
- Create and save custom layouts
- Preview of multiple images at the bottom of the software
- 16-bit printing workflow
- Auto nesting

ACCOUNTING MANAGER

In today's printing environment, it's more important than ever to understand how much ink and media each print job is costing your business. Both Mac® and Microsoft® compatible, Accounting Manager serves as a powerful feature to accurately manage print costs. You can now track the amount of ink and paper being consumed for large-format printing for up to 50 printers!

QUICK UTILITY TOOLBOX

Quick Utility Toolbox is home to all the Canon PRO Series printer software and tools.

DEVICE MANAGEMENT CONSOLE

The Device Management Console software, ideal for fleet management, lets you perform color calibrations remotely. You can monitor the printer status of up to 50 units from any location in the world, be notified via e-mail when an error has occurred, or check the amount of ink left in the printers—without ever having to leave the comfort of your desk.

ADDITIONAL SOFTWARE AVAILABLE

- Free Layout Plus
- PosterArtist Lite
- Media Configuration Tool
- Direct Print & Share
- PosterArtist (optional)

imagePROGRAF PRO-6100S / 4100S

TECHNICAL INFORMATION

PRINT

| | |
|--------------------------|--|
| Printing Technology | FINE: Full-Photolithography Nozzle Engineering |
| Head Configuration | 12-Channel Integrated Type |
| Nozzle Configuration | 1,536 Nozzles x 12 Channels: 18,432 Total |
| Minimum Droplet Size | 4 Picoliters per Color |
| Maximum Print Resolution | Up to 2400 x 1200 dpi |
| Ink Information | Type: Pigment-Based LUCIA PRO Ink Technology PFI-1100 (160 ml): PBK, MBK, C, M, Y, PC, PM, GY PFI-1300 (330 ml): PBK, MBK, C, M, Y, PC, PM, GY PFI-1700 (700 ml): PBK, MBK, C, M, Y, PC, PM, GY |

PRINTER SPECS

| | |
|--------------------------------|--|
| Print Head | PF-10 (1) |
| Colors | Photo Black, Matte Black, Cyan, Magenta, Yellow, Photo Cyan, Photo Magenta, Gray |
| Ink Tank Shipped with Printer | 8 Colors: MBK/C/M/Y/PBK/PC/PM/GY (330 ml Tank, Each Color) |
| Hard Disk Capacity | 500 GB |
| Printer Memory | 3 GB |
| Printer Stand | Standard |
| Display | 4.3" Color LCD Touch-screen |
| Size/Weight (with basket open) | PRO-6100S: 46.0" (H) x 78.7" (W) x 38.7" (D)/Approx. 359 lb. PRO-4100S: 46.0" (H) x 62.7" (W) x 38.7" (D)/Approx. 267 lb. |

MEDIA

| | |
|---------------------------------|--|
| Media Feed | PRO-6100S: Front-Loading Roll Feed: Two* Rolls, Front Output PRO-4100S: Front-Loading Roll Feed: One Roll, Front Output Front-Loading Manual Feed: Front Loading, Front Output |
| Media Width | PRO-6100S: 6" - 60" (Cut-Sheet and Roll) PRO-4100S: 6" - 44" (Cut-Sheet and Roll) |
| Minimum Media Length | 8" |
| Maximum Print Length** | 59' (Roll Paper) 63" (Cut-Sheet) |
| Borderless Printing Widths | Custom roll width 6" - 60" (max width depending on printer) with micro margin technology |
| Media Thickness | .07 mm - .8 mm |
| Media Core Sizes | 2" or 3" Core (with Supplied Adaptor) |
| Printable Margins | Roll Paper: Top: 3 mm; Bottom: 3 mm; Side: 3 mm Cut-Sheet: Top: 3 mm; Bottom: 20 mm; Side: 3 mm |
| Maximum Media Roll (Outer Dia.) | 6.7" (170 mm) |

GENERAL

| | |
|------------------------------------|---|
| Interfaces | Hi-Speed USB, 10/100/1000Base-T/TX, Wireless LAN (IEEE 802.11 b/g/n)*** |
| Printer Language | Swift Graphic Raster (SGRaster) |
| Recommended Operating Environment* | Temperature: 59° - 86° F (15° - 30° C) Humidity: 10 - 80% (No Condensation) |
| Power Supply | AC 100-240 V (50-60 Hz) |
| Power Consumption | PRO-6100S Maximum: 109 W or Less PRO-4100S Maximum: 116 W or Less Standby: 2.0 W or Less Power Off: 0.3 W or Less |
| Printing Software | imagePROGRAF Printer Driver, Professional Print & Layout; Free Layout Plus, Direct Print & Share; PosterArtist Lite†† |
| Optional Software | PosterArtist |
| OS Compatibility | 32-bit: Windows® 7/8.1/10 64-bit: Windows® 7, Windows® 8.1, Windows® 10, Windows® Server 2008 R2, Windows® Server 2012/2012R, Windows® Server 2016, Windows® Server 2019 Mac OS X 10.11.6, Mac OS 10.12 - 10.15 |
| Utilities | Accounting Manager, Device Management Console, Media Configuration Tool, Quick Utility Toolbox |
| User-Replaceable Items | Print Head (PF-10) Maintenance Cartridge (MC-30) Rotary Cutter (CT-07) |
| Options | PRO-6100S: Roll Holder Set (RH2-66) PRO-4100S: Multifunction Roll System (RU-43), Roll Holder Set (RH2-46) |

For a complete listing of specifications, please visit usa.canon.com/largeformat.

Wi-Fi is a registered trademark of the Wi-Fi Alliance.

* If Multifunction Roll is used.

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

*** Wireless printing requires a working network with wireless 802.11b/g or 802.11n capability. Wireless performance may vary based on terrain and distance between the printer and wireless network clients.

• For the temperature and humidity conditions of papers, refer to the paper's packaging or the supplied instructions.

• Professional Print & Layout plug-in software is compatible with Adobe® Photoshop CC 2015-CC 2019, Adobe Photoshop Lightroom V6.X, CC 2015, Classic CC, Photoshop Elements 15, 2018, 2019, and Canon Digital Professional 4.92 or later.

† Direct Print & Share comes embedded with the imagePROGRAF large-format printers and is also available as a free download at <http://usa.canon.com/downloads>. You must sign up for the Google™ service separately. This service is subject to Google's terms and conditions. Based on Google's current services. Subject to change at Google's discretion.

†† Only available with the PRO-4100S.



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