

**Canon**

imagePROGRAF™  
W8200

**Large-format Printer**



# The Latest Addition to the Canon Large-format Printer Lineup for Professional Needs

## Printing has just gotten faster

The speed of the imagePROGRAF W8200 is truly amazing. In Draft Mode, the imagePROGRAF W8200 completes an A0-size printout in just two minutes; in Standard Mode, just five minutes; and in High Mode, just nine minutes. That translates into more jobs done in a given time. The secret of this exceptional productivity lies in the 1.07" ultra high-density print head plus bi-directional printing.

### Printing Time



## The quality is as high as ever

Extra speed often means a sacrifice of quality. Not so with the imagePROGRAF W8200, which performs at the ultra high-quality level.

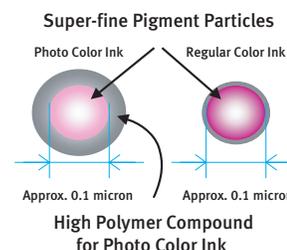
### Six-color ink, multigradation printing

Both our dye and pigment inks for the imagePROGRAF W8200 use 1/6-density Photo Cyan and Photo Magenta to achieve a smooth gradation with minimal granularity. And Canon's own photo pigment ink has super-fine pigment diameter of approximately 0.1 micron. In addition, lighter-density Photo Cyan and Photo Magenta inks are coated with extra polymer to protect the colors from fading with exposure to light, so the subtlety of the print could last for years to come.

### Maximum 1200 x 1200 dpi high-resolution output

At 600 x 1200 dpi (Standard Mode), small characters are sharp, photographs and illustrations are beautifully reproduced, and halftones and subtle changes in gradation are remarkably accurate. At 1200 x 1200 dpi,\* the difference in quality is obvious, especially seen with gradations in computer graphics.

\* For the dye ink model, when using the software RIP and proof paper.

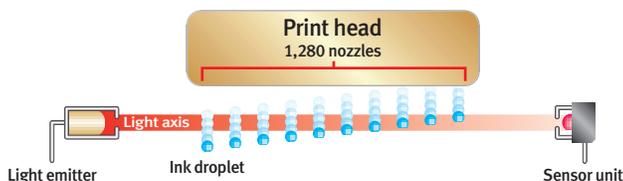
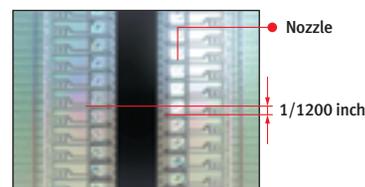


## The technology is the pride of Canon

What makes the difference is the integration of leading-edge original print technologies.

### Ultra high-density wide head

Canon 1.07" wide head benefits from internationally acknowledged expertise in semiconductor manufacturing technology, original materials technology, and process technology. The heater, circuits, and nozzles are integrated onto a silicon wafer, enabling the manufacture of a large-area head at semiconductor levels of precision. The imagePROGRAF W8200 device's ultra high-density wide head boasts a total of 7,680 nozzles, giving 1,280 nozzles per color. This is the key to the imagePROGRAF W8200 device's superb quality and amazing speed.

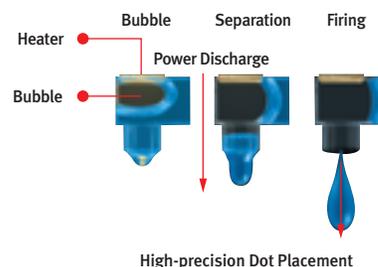


### Non-firing detection and compensation

The imagePROGRAF W8200 has a sensor that automatically checks nozzle firing. If a nozzle is not firing due to clogging, another is directed to fire in order to compensate. By preventing defects in the printout, this function saves time, waste, and money.

### Ink-firing mechanism

A heater mounted above the ink-firing opening of each nozzle generates a bubble that fires straight down. This ensures consistently uniform, powerful, high-precision dot placement at high speed.



# Pigment Ink Model

# 44"



The arrival of the Canon imagePROGRAF W8200 44" pigment ink model is a truly ground-breaking event. In addition to ultra-high quality and ultra-high speed, this model delivers brilliant, and color-fast prints that go far beyond what is currently expected for a printer of this type. That means its printouts can be used in a wider range of sites and environments.

## Unrivaled new standard in ink performance

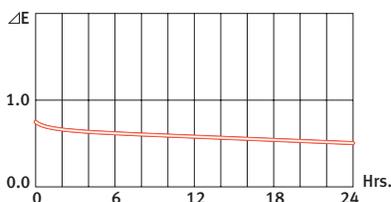
### Superior light fastness

Thanks to Canon's original technology, the imagePROGRAF W8200 pigment ink model exploits the light fastness advantage of pigment ink to a level that others still only aspire to. This is especially true of light fastness, particularly with 1/6 density photo ink (Photo Cyan, Photo Magenta). In the case of interior display in the right conditions, the color achieves especially long resistance against fading.

### Outstanding color stabilization

The colors of Canon pigment inks stabilize quickly. The time required for the color to stabilize is extremely short, allowing color proofing right after printing.

imagePROGRAF W8200 Pigment Ink Color Stabilization Graph (Photo Semi-glossy Paper)

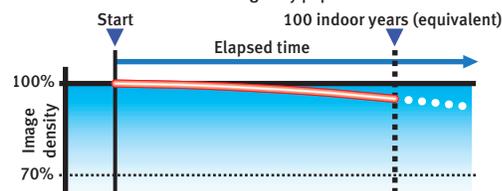


#### Test Conditions

- Temperature: 23° – 25° C / 73° – 77° F
- Humidity: 40% – 60%
- Pattern: Density patches of 100%, 90%, 85%, 80%, 75%, 70%, 65%, 60%, 55%, 50%, 45%, 40%, 30%, 20%, 10% for each color: R, G, B, C, M, Y, K

Measurement Procedure: Color difference E is determined by comparison with standard color, defined as the color one week after printing. Maximum Color Difference: The largest color difference value among all patches of the pattern. Measurement is started immediately after printing. Test is conducted by Canon.

### Light Fastness (Image density over time) on Photo glossy paper



#### Tested conditions

- Temperature: 24° C / 75° F
  - Humidity: 60%
  - Light source: White fluorescent light 70,000 lux
  - Layer of air and 2mm thick glass on the sample
- Presumed conditions: Assuming one day's illumination as 500 lux x 10 hours in-house evaluation criteria (Based on ISO)

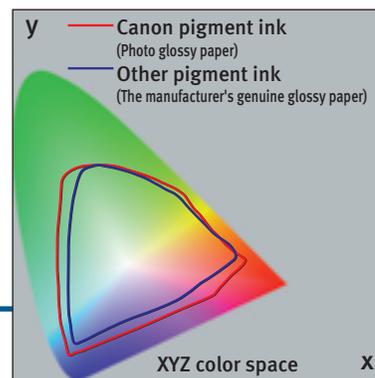
Single color/Composite color: A color change has occurred if the density is under 70% (OD: 1.0 → 0.7)

Process black: The fading ratio between each color is within 15%, and a color change has occurred if the density is under 70% (OD: 1.0 → 0.7)

The expressed number of years is the result of simulated tests conducted by Canon Inc. and is not guaranteed.

## Superb color reproduction

With respect to color gamut, there's little difference between the imagePROGRAF W8200 pigment ink and imagePROGRAF W8200 dye ink models—both are brilliant.



# 44" Dye Ink Model

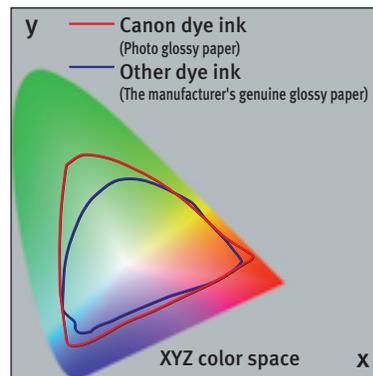


The 44" imagePROGRAF W8200 is a significant new addition to the Canon family of large-format printers. The 44" format expands the role of the established Canon dye ink model, itself a market favorite. As a professional machine, it meets high-caliber needs by delivering ultra high-quality printouts at extremely fast speed and at super-competitive running costs.

## High-fidelity color reproduction

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The imagePROGRAF W8200 dye model has a truly remarkable color gamut. With photo glossy paper in particular, the color reproduction is remarkable in its fidelity to the original image data. Perfect for printing computer graphic art and subtle photographic images.



## Lets the texture shine through

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The high transparency of Canon dye ink allows the surface texture of the media to come through. This makes it especially suitable for printing on glossy paper or film, giving a brilliance of photographic quality that outshines photographic printing paper.

# Productivity in volumes



## High-capacity ink tanks

The imagePROGRAF W8200 has a 330ml tank for each color, and the ink level of each color can be detected and recorded. For large-volume printing, simply remove partially used tanks and install full ones. The partially used tanks can be re-installed later, so there's no waste.

## Automatic media take-up

Media output by the imagePROGRAF W8200 is automatically wound onto the Take-up Unit (optional), eliminating automatic cutting. Again, ideal for jobs requiring extended operation.



# Easy operation

## Full front operation

When ease-of-use is a top priority, the choice has to be the imagePROGRAF W8200 featuring, full front operation. Whether using the operation panel, handling consumables, or feeding and retrieving the media, the operator never has to leave the front of the imagePROGRAF W8200.



# Full network support

## Multi-interface

The 10Base-T/100Base-TX Ethernet port is standard, supporting connection to TCP/IP, IPX/SPX,™ and AppleTalk® networks. Also, either standard USB 2.0 High-speed or optional IEEE 1394 can be used.\*

\*You must uninstall USB 2.0 High-speed board in order to use IEEE 1394 board.

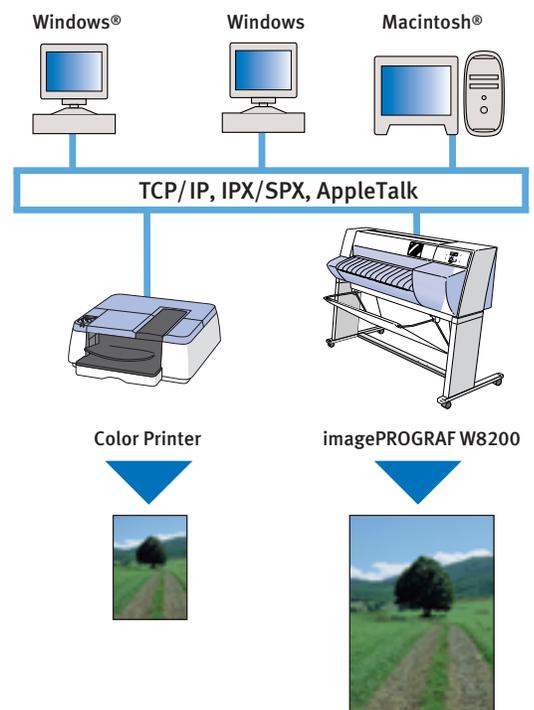


## A host of printer utilities

The NetSpot® Suite comes standard. A variety of network utilities, such as GARO Status Monitor and Remote UI,™ are available to suit the needs of different printer uses and network environments. These utilities allow printer operation, management, and settings to be made from a personal computer.

## Canon Digital Photo Color

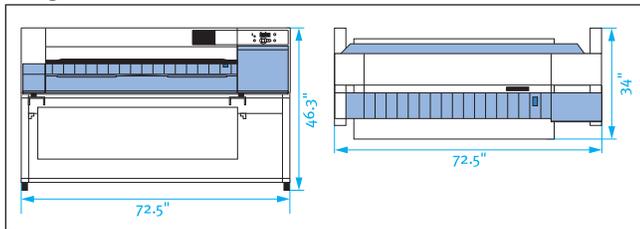
Based on the concept of Canon Digital Photo Color, Canon focuses on creating latently favorable colors as well as ensuring faithful color reproduction of original image data. This allows Canon products to offer richer expression of photographic image quality.



## imagePROGRAF W8200 Specifications

Print Head Configuration	Bubble Jet™, 6-color Print Head (C, M, Y, K, PC, PM), 1,280 Nozzles per Color, 1200 dpi		
Resolution	1200 x 1200 dpi (For the dye ink model, when using the software RIP and proof paper)		
Printing Speed (A0 Size)	Draft: 2 min Standard: 5 min High: 9 min Highest: 14 min		
Ink Tanks	6 Colors (C, M, Y, K, PC, PM), 330ml Each, Tubing System		
Media Feed	From the Front. Roll: Single Stage Cassette; Cut Sheet: Manual Insertion		
Maximum Printable Length	Roll: 59' (18m); Cut Sheet: 5.2' (1.6m)		
Maximum Media Width/Thickness	44" (1117.6mm)/3mil - 20mil (0.08mm - 0.5mm)		
Media Size	Roll	ISO A3, A1, A0; ARCH 24", 30", 36", 42", 44"	
	Cut sheet	ISO	A4, A3, A3+, A2, A1, A0, B4, B3, B2, B1, B0
		DIN	C4, C3, C2, C1, C0
		JIS	B4, B3, B2, B1, B0
		ANSI	8.5" x 11", 8.5" x 14", 11" x 17", 13" x 19", 17" x 22", 22" x 34", 28" x 40", 34" x 44"
		ARCH	9" x 12", 12" x 18", 18" x 24", 24" x 36", 26" x 38", 27" x 39", 30" x 42", 36" x 48"
		Poster	20" x 30", 30" x 40", 42" x 60", 44" x 62"
Printer Language	GARO (Canon Original Raster Command)		
Interface	10Base-T/100Base-TX (TCP/IP, AppleTalk, NetWare®), USB 2.0 High-speed (Standard), IEEE 1394 (Option)		
Printer Driver OS Support	Windows 95/98/Me/NT 4.0/2000/XP, Mac OS® 8.6/9/X		
Acoustic Noise	Operation: 55dB or less, Standby: 35dB or less		
Power Input/Consumption	AC 100 - 240V, 50 - 60Hz, 160W or Less. Energy Saving Mode: 30W or Less; Power OFF: 1W or Less		
Operational Environment	Temperature: 59° - 86° F (15° - 30° C); Humidity: 10% - 80% (No Condensation)		
Dimensions/Weight (H x W x D)	46.3" x 72.5" x 34" / 247lb. (1175mm x 1842mm x 860mm / 112kg)		

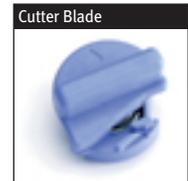
### imagePROGRAF W8200 External Dimensions



### Options



### imagePROGRAF W8200 Consumables



### Canon Large-format Printer Lineup



imagePROGRAF W8200 Pigment Ink Model   imagePROGRAF W8200 Dye Ink Model   imagePROGRAF W7200   imagePROGRAF W7250   imagePROGRAF W2200

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0038W923

0903-W8200-30M

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

1-800-OK-CANON  
www.usa.canon.com

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

