INTRODUCTION TO THE

imagePROGRAF

iPF785/780 & iPF685/680

LARGE FORMAT PRINTERS
Contents

• Overview
• Markets
• New 5-color printers
• Software
• Competitive Analysis
• iPF785/780 MFP M40 System
Canon Large Format Printing Started in 1999 with the BJ-W7000

- 2002: imagePROGRAF Brand was introduced
- 2003: W8200 introduced
- 2004: W6200 introduced
- 2005: W8400/W6400 introduced
- 2006: imagePROGRAF iPF series introduced (12 & 5 color)
- 2007: S-Series introduced (8 color)
- 2008: iPF820 Dual Roll printer introduced
- 2009: iPF655/650 & iPF755/750 series introduced
- 2010: LUCIA EX ink and iPF MFP systems introduced
- 2011: LUCIA EX ink introduced for S Series with iPF8300S/6300S
- 2012: iPFX400 series & Optional SU-21 Spectrophotometer introduced
- 2013: iPF MFP M40 systems and iPFx400S series introduced
Canon devotes approximately 8% of its Overall Net Sales to Corporate R&D each year.

Large Format technologies resulting from Canon R&D:

- LUCIA & LUCIA EX Ink
- Reactive Ink
- L-COA Controller
- FINE Technology Print Heads
- Multi-Sensor

Canon, at #3 for 2013, increased its count by 20 percent over 2012!

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<td>2008</td>
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Source: IFI® Patent Intelligence, January, 2014
Product Line-Up

12-Color Fine Art & Photography
- 17” iPF5100
- 24” iPF6450/6400
- 44” iPF8400
- 60” iPF9400

8-Color Production Graphics
- 24” iPF6400S
- 44” iPF8400S
- 60” iPF9400S

6-Color Poster & Infographics Printing
- 24” iPF6400SE
- 44” iPF8400SE

5-Color Technical Documents & General Use
- 17” iPF510
- 24” iPF685/680/610/605
- 36” iPF785/780/760
- 44” iPF825/815

5-Color MFP Devices
- 36” iPF785/780/760 MFP M40
- 44” iPF825/815 MFP M40
Product Positioning

Photography/Fine Art/Proofing
- Photographers
- Artists
- Photo Labs

High Cost, Vibrant Posters

Flagship Quality
- High Quality and Productivity
- High Speed, High Quality

High Quality Posters and Proofing
- Commercial Printers
- Designers
- PFP
- Signage

Low Cost and High Value
- Education
- Government
- In-house

Low Cost, Vibrant Posters

AEC/CAD/General Use
- Retail
- Service
- Education
- Government
- In-house

High Speed, High Quality
The 5-Color line of imagePROGRAF large format printers are geared for those looking to enhance their CAD/GIS/Technical Document workflow.

As demand for a variety of types of technical documents increases, a versatile printer is essential when handling multiple print jobs, large file sizes and detailed color output.

Applications

- Maps
- Line drawings
- Blue prints
- Renderings
- Perspective drawings
- Aerial photographs
- Maintenance maps
- 3D Renderings
- Facility maps
- Construction site maps
- Survey maps
- Construction blue prints
imagePROGRAF 785/780 Printers

- 36-inch Printer
- 5-Color Dye/Pigment Reactive ink set
- Large Capacity Ink Tanks
  - 300ml available
- Sub-ink Tank System
- Flat Stacker/Basket
- High Speed Printing
  - A1/D sized print in approx. 21 seconds*!
- 320 GB Hard Drive (iPF785 only)
- Available Software
  - PosterArtist Lite
  - Direct Print & Share
  - imagePROGRAF Print Utility
  - Media Configuration Tool
  - Accounting Manager
  - Print Plug-in for Microsoft Office
  - Optimized Module for AutoCAD
  - Status Monitor

**iPF785**  
MSRP $4,995

**iPF780**  
MSRP $4,495

*Printed in Economy mode, using fast cut speed. Landscape orientation*
imagePROGRAF 685/680 Printers

- 24-inch Printer
- 5-Color Dye/Pigment Reactive ink set
- Large Capacity Ink Tanks
  - 300ml available
- Sub-ink Tank System
- Flat Stacker/Basket
- High Speed Printing
  - A1/D sized print in approx. 25 seconds*
- 320 GB Hard Drive (iPF685 only)
- Available Software
  - PosterArtist Lite
  - Direct Print & Share
  - imagePROGRAF Print Utility
  - Media Configuration Tool
  - Accounting Manager
  - Print Plug-in for Microsoft Office
  - Optimized Module for AutoCAD
  - Status Monitor

iPF685
MSRP $3,195

iPF680
MSRP $2,495

*Printed in Economy mode, using fast cut speed. Portrait orientation
5-color ink set
• Vibrant and eye-catching prints
• Exceptional color stability
• Newly Formulated Magenta Ink
  – Fine red lines/text
  – Wider color gamut in the red/orange spectrum
    » Compared to previous 5-Color models

NEW!

Cyan plus Matte Black

5-Color Ink System
Large Capacity Ink Tanks

- The iPF785, iPF780, iPF685 and iPF680 printers have the option for 300ml ink tanks, which is more than **double** the amount of the 130ml tanks.
  - Lowers cost-per-print to create a more cost-effective solution
- Ink tanks can also be mixed and matched, depending on user preference
The Sub-ink Tank System is designed for uninterrupted printing:

- Keeps some ink in reserve so that when the tanks themselves run out of ink, printing can continue without interruption
- Allows for on-the-fly ink tank replacement
- Helps ensure all of the ink in the tank is emptied before replacing
  - More cost-effective!
High Speed Printing

The iPF785/780 Printers are capable of producing an A1/Arch D size print in approximately 21 seconds*!

The iPF685/680 Printers are capable of producing an A1/Arch D size print in approximately 25 seconds*!

*Printed in Economy mode, using fast cut speed. Landscape orientation for iPF785/780 and Portrait orientation for iPF685/680
Flat Stacker/Basket

The flat stacker/basket can be configured as a regular basket, a small stacker and a larger flat-positioned basket.

- Neatly stacks up to 20 plain paper prints

Available on all 4 models
The built-in 320 GB Hard Drive in the iPF785 and iPF685 printers has 32 GB dedicated to memory and file processing!

Save print jobs

- 30 Mailboxes, 29 Password protected
- Saves up to 500 jobs
- Print jobs can be accessed from the Printer Driver and the Remote UI
- Tracks and helps saves print time, size, media used and amount of ink used

Storage of print job information
Permanent print job storage
Permanent job log storage
Memory dedicated to file processing
All of these imagePROGRAF Printers are Energy Star certified!

As an ENERGY STAR partner, Canon has a number of certified products that incorporate original and advanced energy-efficient technologies, without compromising features or performance. Canon has received multiple ENERGY STAR Awards for protecting the environment through manufacturing energy-efficient products.

If all businesses replaced their stock of imaging equipment with new units meeting these new ENERGY STAR requirements, Americans will save 3 billion kWh/yr (nearly 10% of current commercial imaging equipment consumption), that savings translates into $2.50 per 100 square foot of US office floor space.

* Taken from [http://www.energystar.gov](http://www.energystar.gov), dated July, 2014
Large Format Printing Simplified

imagePROGRAF Printer Workflow Solutions:

• Direct Print & Share Software
• imagePROGRAF Print Utility
• Status Monitor
• PosterArtist Lite / Optional PosterArtist
• Accounting Manager
• Media Configuration Tool
• Print Plug-in for Microsoft Office Suite
• Printer Driver with Free Layout (nesting) feature
• Canon Optimized Module for AutoCAD
Canon’s Direct Print & Share cloud-based portal solution

Images and files can be uploaded to and downloaded from any WebDAV compliant cloud server †† via Direct Print & Share.

- Integration with software solutions such as AutoCAD
- Direct printing of PDF, TIFF, JPEG and HP-GL/2 file formats with no other application or drivers necessary
- Drag and Drop printing feature
- Support for PosterArtist files

†† Your server must be compatible with a webDAV enabled cloud account, including but not limited to, Google, Carbonite or Rackspace, to take advantage of the cloud functionality. Storage capacity and any pricing thereof is based on the third-party cloud provider’s current offering, at its sole discretion. Your cloud account is subject to the third-party cloud provider’s terms and conditions. Neither Canon Inc. nor Canon U.S.A., Inc. represents or warrants any third party product, service or feature referenced hereunder.

Downloadable from http://www.usa.canon.com/downloads
Files can be *dragged* and *dropped* into folders set up on the user’s desktop for easy printing.

- Multiple hot folders can be set up on one PC
- Supports PDF, JPEG, TIFF and HP-GL/2 file formats

* *Downloadable from [http://www.usa.canon.com/downloads](http://www.usa.canon.com/downloads)*

†† Your server must be compatible with a webDAV enabled cloud account, including but not limited to, Google, Carbonite or Rackspace, to take advantage of the cloud functionality. Storage capacity and any pricing thereof is based on the third-party cloud provider’s current offering, at its sole discretion. Your cloud account is subject to the third-party cloud provider’s terms and conditions. Neither Canon Inc. nor Canon U.S.A., Inc. represents or warrants any third party product, service or feature referenced hereunder.
imagePROGRAF Print Utility

Mobile Printing App

Print PDF files from an iPad to a compatible imagePROGRAF printer on the same network.

Features Include:
- Preview mode
- Ability to set:
  - Number of copies
  - Orientation
  - Quality
- Support with multiple imagePROGRAF 5-Color Printers

*Available on AppStore. Compatible with iPad 2 or later, running iOS 6.1 or later. Data charges may apply. Printed output will be same size as original file. Mobile device and large format printer must utilize the same network. Printer must be connected to the same router that mobile device is connected to via wireless capability. Wireless performance may vary based on terrain and distance between the printer and wireless network clients. In order to print from imagePROGRAF Print Utility, user must open their PDF file in another, supported iPad app. Then, the user would select “Open in” and choose the print utility app..
NEW Ink Purchase Notification feature allows supplier to provide their customers with a direct link for ink repurchase.

- Notification pops up when ink is low or empty
- If a user clicks on the button, they will be provided with the trusted retailer’s information for ink re-purchase
  - Either link to website or address and phone number
- Retailer can set preferences during install
PosterArtist

Poster creation made simple.

This optional software package includes everything you need to create professional looking posters, signs and banners in just four easy steps.

• Over 200 pre-designed templates
• Over 1500 royalty free images and clipart
• Advanced Features
  – Auto Design - Variable Printing - Design Check

NEW

Sharing designs has never been easier

• .cpfx file format saves all poster data including clipart and fonts
• Share .cpfx files instantly via Direct Print & Share Cloud Portal Solution*

MSRP: $395

Download a demo version at usa.canon.com/posterartist

* Downloadable from http://www.usa.canon.com/downloads
This free software is included in many* of the iPF printers has many of the templates, images and features included with PosterArtist.

New features for poster sharing include:
• New .cpfx format that saves all poster data
• Share .cpfx files via Direct Print & Share Cloud Portal Solution

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<th>Included Artwork</th>
<th>PosterArtist</th>
<th>PosterArtist Lite</th>
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<td>Frames</td>
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<td>158</td>
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<tr>
<td>Background</td>
<td>157</td>
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</tbody>
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*See specific product specifications
PosterArtist Website

- Download a demo version
- Download new templates
- Features & benefits tab
- Software tutorials
  - Creating a poster
  - Auto design
  - Variable printing
  - Page capture
  - Image blurring

usa.canon.com/posterartist
Expanding the array of media options, this utility provides the ability to make adjustments to printer settings to help enhance the precision and quality of output achieved.

- Supports media regardless of brand
- Exportable “Media Configuration Files”
- Customizable Media Parameters
- Custom media created can be exported to all other imagePROGRAF models within the same printer series
- Batch import of multiple custom media, that enables import/export multiple custom media all at once
Features:

- Easy and advanced settings
- Banner Printing Mode
- Poster Printing Mode
- One touch borderless printing
- Categorized Media List
- Real Preview Screen
- imageRUNNER Enlargement Copy Feature
- Conserve Paper Function
  - Automated 90° Rotation
- Web link Support Tab
  - Access manual and external websites
Nesting

Allows for various types of data, of differing sizes to be put on one sheet. The layout treats all the data as one object on single sheet regardless of the type of application.

Free layout allows for:

- Manual movement of objects
- Manual alignment of objects
- Enlargement/reduction of objects
- Rotation of objects
- Ordering of objects
Tracks how much ink and media is being consumed when printing. Costs can be **assigned** to ink and paper to determine expenses based on “Cost of goods”. The user can also input a variable cost that will be added to the total of the print cost. The data is exportable to a .csv format for Microsoft Excel® so the data can be used for billing purposes. Features include:

- Job Name
- Client Job ID
- Client Job Submission Time
- Job Completion Time
- Ink consumption per job*
- Media Type
- Number of completed pages
- Media consumption area per job
- Stores up to 500 print jobs!

*Ink usage is estimate and error tolerance is +/- 15%
Print Plug-in for Microsoft Office®

Allows for users of any skill level to print posters or banners directly from Microsoft Excel, PowerPoint, and Word

- Just click the imagePROGRAF icon in the tool bar and follow the simple instructions provided by the Wizard to create large format output

imagePROGRAF Tool Bar
iPF78x/68x Series Vs. Epson SC-T Series

Canon Advantages:

✓ Higher Productivity
  ✓ Up to 25% faster in fastest mode!
  ✓ 320GB Hard Drive (iPF785 and iPF685)

✓ Lower Ink Consumption
  ✓ Up to 15% less!

✓ Wider Color Gamut

✓ Compact Design

✓ Mobile Printing
  ✓ imagePROGRAF Print Utility

✓ Ability to Support Thicker Media
  ✓ Up to 0.8mm!

✓ Sub-ink Tank System
  ✓ Ink tanks replaceable during operation
  ✓ Uses all available ink in tank

✓ Extensive Software Library

The facts, product statistics and specifications about EPSON contained in this document were obtained from the following publically available sources: EPSON marketing collateral, EPSON company website (www.epson.com) Custom Test Report provided by Buyer’s Lab, Inc. on the Canon imagePROGRAF iPF780 and iPF680 versus the Epson SureColor T5000 and T3000, as well as Canon USA, Inc. observations, dated July, 2014. Any and all trademarks used hereunder belong to their respective owners. Neither Canon Inc. nor Canon U.S.A., Inc. represent or warrant any information herein, nor any third party product or feature referenced hereunder.
iPF78x/68x Series Vs. HP DJ-T Series

Canon Advantages:

- Higher Productivity
  - Up to 40% faster!
- Lower Ink Consumption
  - Up to 20% less!
- Compact Design
- Wider Color Gamut
- Borderless Printing on All Compatible Media
  - Versus only on Photo-based Media
- Ability to Support Thicker Media
  - Up to 0.8mm
- Sub-ink Tank System
  - Ink tanks replaceable during operation
- Extensive Software Library

The facts, product statistics and specifications about HP and contained in this document were obtained from the following publicly available sources: HP marketing collateral, the HP company website (www.hp.com), Custom Test Report provided by Buyer’s Lab, Inc. on the Canon imagePROGRAF iPF780 and iPF680 versus the HP Designjet T920 and T520, as well as Canon USA, Inc. observations, dated July, 2014. Any and all trademarks used hereunder belong to their respective owners. Neither Canon Inc. nor Canon U.S.A., Inc. represent or warrant any information herein, nor any third party product or feature referenced hereunder.
iPF78x/68x Series Vs. HP DJ-T Series

Ink Consumption

Based on MSRP, the Canon imagePROGRAF iPF785/780 and iPF685/680 printers have a lower cost per ml than the HP DesignJet T920!

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<th>Canon MSRP</th>
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<td>300ml</td>
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<th>HP MSRP</th>
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<td>40ml</td>
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<tr>
<td>69ml (MBK)</td>
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<td>130ml</td>
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<tr>
<td>300ml (MBK)</td>
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iPF785 MFP M40 & iPF780 MFP M40 Imaging Systems
The scanner stand connects directly to the printer stand to create a one piece structure and to reduce the total footprint of the iPF MFP M40.

The design gives the user the flexibility to use as an “all in one” configuration or to be set up as an independent scanner stand.

This “All in one design” includes Printer, Scanner, 22” Touch screen monitor, SmartWorks MFP Software, MFP stand and a Computer.
SmartWorks MFP V3.5 Software

SmartWorks MFP V3.5 adds the following functionality over the current version:

• Longer scan length
  • 315” for JPEG and PDF Files
  • 590” for TIFF Files
• Print function from within SmartWorks
• Larger close-out “X” button and removal of auto-date
• Optional “Plus” version available with even more added features!
  • Multi-page PDF support
  • Color correction in preview
  • PDF/A Archive functionality
New Standard Features

- Large program exit button
- Color Mixed Preset
- Draft/Standard/Best Quality modes
V3.50 New Standard Features

- Ability to enable/disable date from scan filename
- Draft/Standard/Best Quality modes
<table>
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<th>Specification</th>
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<th>HP Designjet T2500</th>
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<td>Scan Resolution</td>
<td>1200dpi</td>
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<td>13 ips monochrome 3 ips color</td>
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<td>Scan Width</td>
<td>40-inches</td>
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<td>Scan-to-PDF</td>
<td>Standard</td>
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<td>Supported Media Thickness</td>
<td>2.0mm</td>
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<td>Computer with Open Architecture</td>
<td>Yes</td>
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<td>Front Returning Paper Path Option</td>
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<td>No</td>
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<td>Batch Scanning</td>
<td>Yes</td>
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<td>Software</td>
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<td>Custom Presets</td>
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SmartWorks MFP “Plus” additional cost license adds:

- PDF/A Archiving functionality
- Multipage PDF on the fly
- Open & Print non SmartWorks MFP PDF file using DPS
- Colour Adjustment (RGB) in Preview
- Auto crop scan (Remove printer margins from scan before copy to ensure 1:1 copies)
V3.50 “PLUS” Features

Multipage PDF on the fly
The user is prompted to add more pages as required

PDF/A
V3.50 “PLUS” Features

Automatically Open & Print non SmartWorks MFP PDF files or Multi page PDF files using Canon’s Direct Print & Share Cloud Portal software.
V3.50 “PLUS” Features

Colour Adjustment (RGB) in Preview
V3.50 “PLUS” Features

Auto crop scan
(Remove printer margins from scans to ensure 1:1 copies)
Thank You

Canon USA, Inc. has determined which HP and EPSON devices compete directly with Canon imagePROGRAF devices based on the selling price as well as printing width. The facts, product statistics and specifications about HP and EPSON contained in this document were obtained from the following publically available sources: HP marketing collateral, the HP company website (www.hp.com), EPSON marketing collateral, EPSON company website (www.epson.com) as well as Canon U.S.A., Inc. observations., dated July, 2014. Neither Canon Inc. nor Canon U.S.A., Inc. represent or warrant any information herein, nor any third party product or feature referenced hereunder. This document was created by Canon U.S.A., Inc. Large Format Printer Division, Imaging Systems Group and is intended for use by Canon’s internal sales as an educational tool for dealer and reseller sales representatives. The information contained in this document should not be altered without prior written permission from Canon U.S.A., Inc. Specifications subject to change without notice. Prices set by reseller or dealer and may vary. All images and effects are simulated. This document was created in July, 2014.

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