

# COLLABORATE WITH **SPEED** AND *PRECISION*

imagePROGRAF iPF840MFP / iPF840MFP Pro



imagePROGRAF iPF840MFP  
and iPF840MFP Pro  
Large Format Multi-Functional  
Printers for all your Technical  
drawing requirements.

Copy and Print technical  
drawings up to 44" (B0)  
size with an easy-to use  
touchscreen interface.

Scan to multiple locations,  
including your network,  
email and to the cloud to  
allow you to share documents  
the way you want.



imagePROGRAF

**Canon**

*no one sees print like you*



#### Dual roll

Load two rolls simultaneously with auto-switching depending on your print requirements



#### 23" touchscreen input

Large touchscreen for ergonomic and natural input



#### Direct Print & Share

Canon proprietary utility to allow sharing and printing of documents with minimal training and user experience



#### Sub-ink tank system

Ink can be changed without interrupting a print job



#### Accounting Manager

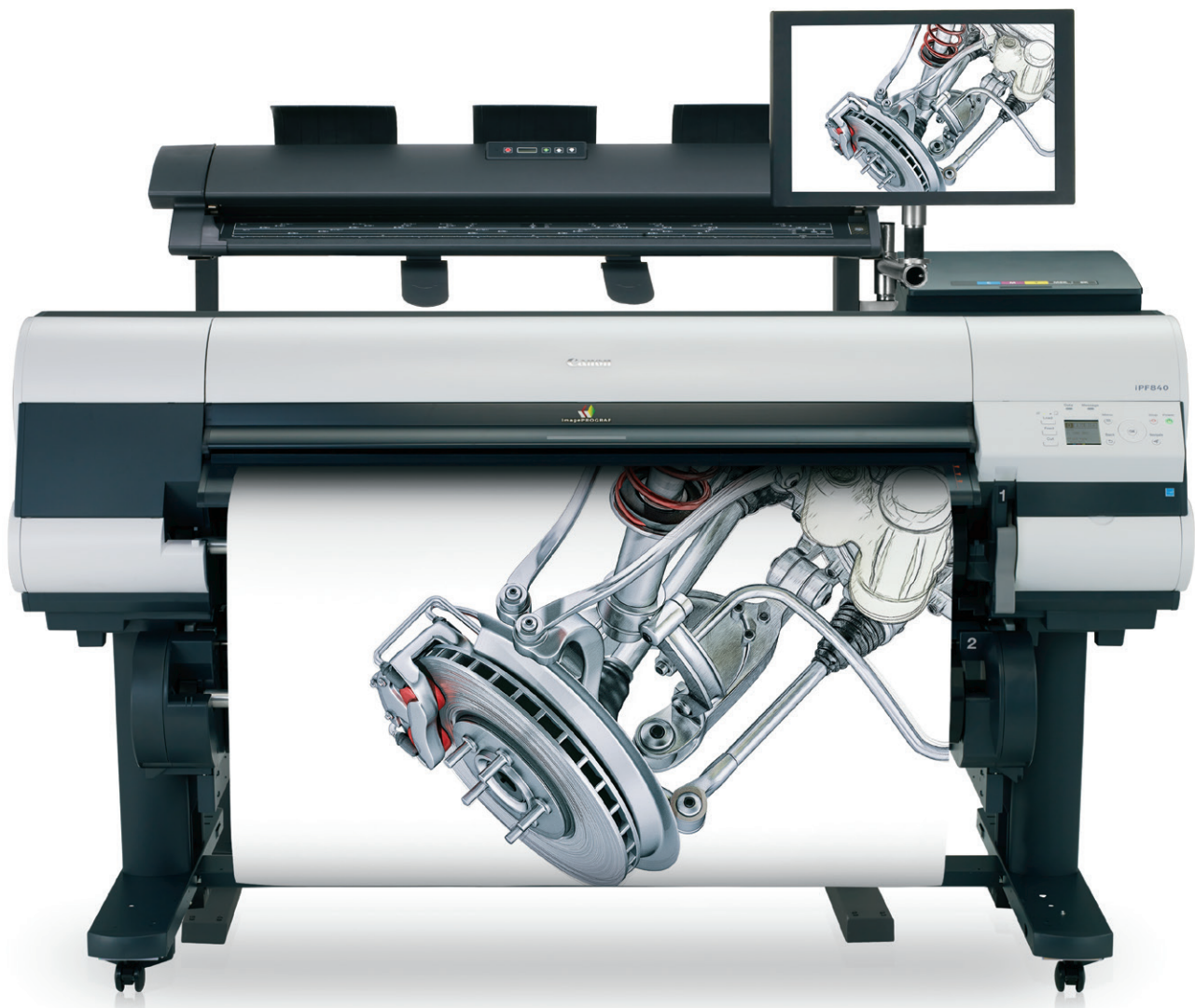
Software helps keep track of printing costs

#### At a glance

- 44" (B0) printing width
- 40" scanning width
- Optional 700ml bulk ink tanks
- Borderless printing
- Accurate scalable copies

#### iPF840MFP Pro Features

- Multitpage pdf file creation
- pdf/a file format
- RGB colour adjustments
- Auto crop
- Shelf for PC peripherals (keyboard & mouse)



# imagePROGRAF iPF840MFP

## Printer Specifications



Item	Specification
Model	iPF840
Class	44-inch
Ink Type	Dye and pigment reactive ink
Maximum Print Resolution	2400×1200dpi
Dimensions, Weight (Net) W x D x H (mm), (Kg)	
Main unit + Printer Stand (with a basket open)	Main unit with printer stand, lower roll, lower rail L/R, and portable basket. 893 (W) x 1291 (D) x 1144 (H)mm Weight: approx.189kg (roll holder included, no inks, no print heads)
Main unit (with a printer stand, and palette included)	2080mm(W) x 1060mm(D) x 1220mm(H) Weight: approx. 174kg
Basket, Lower roll unit, Lower rail (palette included) (RB-01)	Lower roll unit, portable basket (palette included) 1660mm(W) x 938mm(D) x 905mm(H) Weight: approx. 115kg
Power Supply	
Input power	AC 100-240V (50-60Hz)
Operation Power consumption	190W or less
Standby power consumption (At the low power mode)	5.0W or less
Default setting for the time to enter the Sleep mode	approx. 5min
Power off (standby)	0.5W or less
Operational Environment	
Temperature: 15 - 30°C, Humidity: 10 - 80 % (Condensation free)	
Acoustic Noise	
Acoustic pressure	Operation: 52dB (A) or less Standby: 35dB (A) or less Measured in the above conditions, based on ISO 7779
Acoustic power (LWA <i>α</i> )	Operation: 6.8 Bels or less Measurement Conditions: Plain paper, standard mode (1pass/25ips) / Normal temperature and normal humidity
Minimal Line Width	
0.02mm (Theoretical value)	
Line Accuracy	
±0.1 % or less User adjustments necessary. Printing environment and media must match those used for the adjustments. CAD paper required: Plain paper, CAD tracing paper, coated paper, CAD translucent matte film only	
Detector and Adjustment	
Registration adjustment	Automatic / Manual
Banding adjustment (Line Feed adjustment)	Automatic / Manual
Line length adjustment	Manual
Head slant adjustment	Automatic / Manual
Colour calibration	No
Head gap adjustment	Automatic / Manual (5 levels)
Non-firing detection	Yes
Non-firing compensation	Yes
Roll media remaining detection function	Yes
Memory	
Standard memory	32GB (512 Mbyte )
Expansion slot	No
Firmware	
Languages - Printer Language	GARO (Graphic Arts language with Raster Operations), HP-GL/2, HP RTL
Languages - Job Control	CPCA
Languages - Status Reply	CPCA, SNMP-MIB (Standard MIB, Canon-MIB)
Type	Flash ROM
Update	Updated from USB, Ethernet port (Utility use)
Operation Panel	
Display	Large LCD: 160 x 128 dots; Key x 13, LED x 5
Language on operation panel	US-English, Japanese
Languages	US-English, French, German, Italian, Spanish, Chinese (simplified), Korean, Russian, Brazilian portuguese language, Japanese (Kanji)
Hard Disk Drive	
320GB	
Interface	
USB - Type	Built-in
USB - Mode	Full Speed (12 Mbit/sec), High Speed (480 Mbit/sec), Bulk transfer
USB - Connector Type	Series B (4 pins)
Ethernet - Type	Built-in
Ethernet - Standard	IEEE 802.3 10base-T, IEEE 802.3u 100base-TX / Auto-Negotiation, IEEE 802.3ab 1000base-T / Auto-Negotiation, IEEE 802.3x Full Duplex, IEEE 802.3az EEE
Ethernet - Protocol	SNMP (Canon-MIB supported), HTTP, TCP/IP (IPv4/IPv6)

Expansion Slot		
No		
Cutter		
Type	Standard: Automatic horizontal cutting (Rotary cutter)	
Media Handling		
Media Feed and Output - Roll paper	2 rolls (Front-loading, Front Output)	
Media Feed and Output - Cut sheet	Front-loading, Front Output (Manual feed using media locking lever)	
Media Feed and Output - Paper path switch (roll/cut sheet)	Roll/cut sheet manually switchable by user; upper/lower roll automatically switchable	
Media Take-up Unit	-	
Maximum stacking number of delivered prints	20 sheets (in case of using a portable media basket and with conditions)	
Media Thickness - Roll paper	0.07 - 0.8mm	
Media Thickness - Cut sheet	0.07 - 0.8mm	
Maximum Outside Diameter of Roll Paper	150mm or less	
Media Core Size	Internal diameter of roll core: 2" / 3"	
Media Width - Roll paper	254 - 1118mm	
Media Width - Cut sheet	203 - 1118mm	
Minimum Regular Format Size	203mm	
Maximum Printable Paper Length - Roll paper	18m (Varies according to the OS and application)	
Maximum Printable Paper Length - Cut sheet	1.6m	
Margins Recommended area - Roll paper	Top: 20mm, Bottom: 5mm, Side: 5mm	
Margins Recommended area - Cut sheet	Top: 20mm, Bottom: 23mm, Side: 5mm	
Margins Printable area - Roll paper	Top: 3mm, Bottom: 3mm, Side: 3mm	
Margins Printable area - Roll paper (borderless printing)	Top: 0mm, Bottom: 0mm, Side: 0mm	
Margins Printable area - Cut sheet	Top: 3mm, Bottom: 23mm, Side: 3mm	
Borderless Printing - Media width	515mm (JIS B2), 1,030mm (JIS B0), 594mm (ISO A1), 841mm (ISO A0), 10", 14", 17", 24", 36", 42" (Borderless Printing is impossible when stacker is used.)	
Regulations		
Australia	Electrical safety regulations RCM	Electromagnetic interface regulations RCM
New Zealand		RCM
Environment certifications		
ENERGY STAR, RoHS directive		
Option		
Roll Holder Set (for both 2-inch and 3-inch core roll media)	RH2-44	
Stand / Basket	Available in box	
Media Take-up Unit	-	
Consumables		
Ink Tank	PFI-307 BK/MBK/C/M/Y (330ml) PFI-707 BK/MBK/C/M/Y (700ml)	
Ink Tank - Supply	Tubing system (supplies ink from independent ink tanks set in the printer through tubes)	
Ink Tank - Colours	Black / Matte Black / Cyan / Magenta / Yellow	
Starter - Starter	330ml per colour	
Sales - Sales	700ml or 330 per colour	
Level detection	Detected by dot count and electrode (Empty)	
Smart chip	Each ink tank is equipped with EEPROM which stores its ink level.	
Print Head - Model	PF-04	
Print Head - Type	Bubble-jet on demand	
Print Head - Head configuration	6 colors integrated type (6 chips per print head x 1 print head)	
Print Head - Nozzle pitch	1,200dpi x 2	
Print Head - Nozzle per chip	MBK: 5, 120 nozzles, each other colour: 2, 560 nozzles	
Print Head - Droplet size	Minimum 4pl	
Maintenance Cartridge	MC-10 / MC-09	

## Scanner Specification Comparison\*

M 40	
Scan width (inches)	40" (101.6cm)
Document width (inches)	42" (106.7cm)
Body width (inches)	49.2" (124.9cm)
Body depth (inches)	14.4" (36.6cm)
Body height (inches)	7.3" (18.5cm)
Weight	25Kg
CIS Configuration	SingleSensor
Illumination	Full width dual LED illumination
Image quality	Better
Stitch performance	Set in manufacturing (3)
Front/rear exit	Rear (front eject)
Document handling - Face up/down	UP
Document thickness	2.0mm(1)
Paper path	Flat
Optical Resolution (dpi)	1200
Scan speed (inches/sec) 8-bit grayscale & mono @200dpi (2)	13
Scan speed (inches/sec) 24-bit color @200dpi (2)	3.0
Interface USB	3.0 (backward compatible to USB2)
Control panel	Start/Stop, Advance/rewind, ASF (Auto Size Finder) read out
M series notes:	
<ol style="list-style-type: none"> <li>1. Thick documents up to 2mm must be flexible and the paper return guide removed. Some media should be scanned at reduced speeds to obtain optimal image quality. Colortrac cannot guarantee to scan all media. For large media Colortrac recommend the scanner be placed on a flat surface and the operator supports the document as it enters and exits the scanner.</li> <li>2. The scan rate is proportional across the full range of resolutions supported by the scanner. Actual scan times and quoted top speeds will depend on the host performance and are not guaranteed for all media types. True 200 x 200dpi image capture. Competitors quote scan speeds using 'Turbo', 'Normal' or 'High Speed' modes that reduce image quality whilst suggesting that scan resolution is doubled. These modes use software interpolation to create 'virtual image pixels' from a lower resolution scan thereby increasing the number of pixels in the scan direction (&amp;/or X-direction) in an attempt to simulate higher image resolution. Colortrac SmartLF scanners are designed to scan images fast at the optimum resolution required to capture the original image detail without compromising quality.</li> <li>3. The SingleSensor is colour calibrated and accurately aligned to within +/- 0.5 pixel during manufacture. If the scanner is used in a stable, general office environment, scanner calibration and / or alignment may only occasionally be required. Operation in mobile, dusty or variable temperature environments may require more frequent scanner maintenance.</li> </ol>	
Detailed specifications for M series scanners	
Scan modes	16.7 million colour RGB (24-bit) 256 colour RGB adaptive indexed colour palette (8-bit) 256 level greyscale (8-bit) Black & White (1-bit)
Digital image processing	2D Intelligent Adaptive Thresholding (IAT) (1-bit mode) Fixed Threshold Black & White (1-bit mode) (SmartWorks MFP provides additional 'post scan' image processing filters and tools)
Colour space	sRGB (with SmartWorks MFP)
Colour image processing	Gamma, brightness, black & white point adjustment
Media transport system	Straight media path with front entry, rear exit or rewind to front Single driven document hold-up roller Intuitive image up scanning with centre or side document alignment Magnetic media guide to assist in high volume document scanning workflows Automatic Size Finder (ASF) with media width displayed on control panel
SingleSensor digital imaging technology	SingleSensor is a full width straight-line contact image sensor of 50,400 pixels; a Colortrac invention - patent pending. Bi-directional long-life LED light system for optimum object illumination and instant-on scanning capability 48-bit primary point colour image capture 16-bit primary point greyscale image capture Panchromatic Black & White
Scanner operation & status	Centre-lid mounted control panel with LCD media width display for auto size finder with start, stop, forward and rewind buttons Scanner status indicator LED (green, amber, red)
Scan Accuracy	+/-0.1% +/-1 pixel (The achieved scan accuracy may vary depending on the operating environment and the type & thickness of media)
Scanner optics & calibration	Chemically treated, scratch resistant, anti-Newton ring (AG) scan glass Automatic SingleSensor calibration. The SingleSensor is colour calibrated and accurately aligned to within +/- 0.5 pixel during manufacture. If the scanner is used in a stable, general office environment, scanner calibration and / or alignment may only occasionally be required. Operation in mobile, dusty or variable temperature environments may require more frequent scanner maintenance.
Interface	SuperSpeed USB3 with 3 metre USB3 cable (PC connector compatible with USB2 and USB3 sockets) Local power cable
Power requirements & consumption	External power supply 100~240VAC autosensing +/-10%, 50~60Hz Scanner power consumption 53W (scanning), 5W (standby) @ 110V/240V
Environmental/Approvals	RoHS compliant and CE, FCC, VCCI, UL, CB, CCC certification
Operating conditions	100C – 350C, 35% - 80% RH non-condensing
Stands	Stand must be mounted integral to the printer. Scanner tilted towards user. PC and flat screen VESA mounting kit. Screen can be mounted left or right and on a pole or swing arm. Paper Return Guide – curved to redirect flexible scanned documents forward to operator. Can be lifted off when not required or for scanning thick or non-flexible media.

### Scanner Disclaimer

- \* The scan rate is proportional across the full range of resolutions supported by the scanner. Actual scan times will depend on host system performance.  
Quoted top speeds may be limited by the effective bandwidth of the USB2 and is not guaranteed for all media types.  
\*\* The quoted scan accuracy may vary depending on the operating environment and the thickness of the media.



### For information and services

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