



Canon imagePROGRAF TX/TZ Series

This document describes the supported feature and options of the Canon imagePROGRAF TX/TZ series printer driver for Fiery XF.

Supported printer

- Canon imagePROGRAF TX2100
- Canon imagePROGRAF TX5210 (Asia version of TX2100)
- Canon imagePROGRAF TX3100
- Canon imagePROGRAF TX5310 (Asia version of TX3100)
- Canon imagePROGRAF TX4100
- Canon imagePROGRAF TX5410 (Asia version of TX4100)
- Canon imagePROGRAF TZ30000
- Canon imagePROGRAF TZ5300 (Asia version of TZ30000)

Specification Summary

| | imagePROGRAF TX-2100 | imagePROGRAF TX-3100 |
|---------------------------------------|---|---|
| Printer Type | 5 Colour 24" | 5 Colour 36" |
| Print Technology | Canon Bubblejet on Demand 6 colours integrated type (6 chips per print head x 1 print head) | ← |
| Number of Nozzles | Total : 15,360 nozzles MBK : 5,120 nozzles BK, C, M, Y : 2,560 nozzles each | ← |
| Print Resolution | 2400 dpi x 1200 dpi | ← |
| Nozzle Pitch | 1,200 dpi x 2 includes Non-firing nozzle detection and compensation system | ← |
| Ink Droplet Size | Minimum 5 pl per colour | ← |
| Ink Capacity | Bundled Starter Ink: 330ml (MBK)/160ml (BK, C, M, Y) Sales Ink: 160ml/330ml/700ml | ← |
| Ink Type | Pigment inks : 5 colour MBK/BK/C/M/Y | ← |
| Printer Languages | HP-GL/2, HP RTL, PDF (Ver.1.7), JPEG (Ver. JFIF 1.02) | ← |
| Standard Interfaces | USB A Port: USB Memory Direct Print for JPEG/PDF files USB B Port: Built-in Hi-Speed USB Ethernet: 10/100/1000 base-T Wireless LAN: IEEE802.11n/IEEE802.11g/IEEE802.11b | ← |
| Media Feed and Output | Roll Paper: One Roll, Front-loading, Front Output Cut Sheet: Front-loading, Front Output (Manual feed using media locking lever) | ← |
| Media Width | Roll paper: 152.4mm - 610mm Cut sheet 152.4mm - 610mm | Roll paper : 152.4mm - 917mm Cut sheet 152.4mm - 917mm |
| Minimum Printable Length | Roll paper: 101.6mm (Excluding Cloth, Canvas, Tracing Paper and Translucent Matte Film media. These media are 200mm.) Cut sheet: 203.2 mm | ← |
| Media Take-up roll unit | Roll Paper: Two rolls. Automatic switching is possible. Cut Sheet: 1 sheet | ← |
| Borderless Printing Width (Roll Only) | [Recommended] 515mm (JIS B2), 594mm (ISO A1), 10", 14", 17", 24" [Printable] 257mm (JIS B4), 297mm (ISO A3), 329mm (ISO A3+), 420mm (ISO A2), 6", 8", 12", 15", 16", 18", 20", 22", 300mm, 500mm, 600mm and custom roll width (152.4 - 610mm) | [Recommended] 515mm (JIS B2), 594mm (ISO A1), 728mm (JIS B1), 841mm (ISO A0), 10", 14", 17", 24", 36" [Printable] 257mm(JIS B4), 297mm(ISO A3), 329mm(ISO A3+), 420mm(ISO A2), 6", 8", 12", 15", 16", 18", 20", 22", 30", 34", 300mm, 500mm, 600mm, 800mm and custom roll width (152.4 - 917mm) |

| | imagePROGRAF TX-4100 | imagePROGRAF TZ-30000 |
|---------------------------------------|---|--|
| Printer Type | 5-Color 44" | 5 Colour 36" |
| Print Technology | Canon Bubblejet on Demand 6 colours integrated type (6 chips per print head x 1 print head) | ← |
| Number of Nozzles | Total: 15,360 MBK: 5,120 nozzles C, M, Y, BK: 2,560 nozzles each | ← |
| Print Resolution | 2400 dpi x 1200 dpi | ← |
| Nozzle Pitch | 1,200 dpi x 2 includes Non-firing nozzle detection and compensation system | ← |
| Ink Droplet Size | minimum 5 pl per colour | ← |
| Ink Capacity | Bundled Starter Ink: 330 ml (MBK, BK, C, M, Y) Sales Ink: 160ml/330ml/700ml | Bundled Starter Ink: 330ml (MBK)/160ml (BK, C, M, Y) Sales Ink: 330ml/700ml |
| Ink Type | Pigment inks: 5 colour MBK/BK/C/M/Y | ← |
| Printer Languages | HP-GL/2, HP RTL, PDF (Ver.1.7), JPEG (Ver. JFIF 1.02) | ← |
| Standard Interfaces | USB A Port: USB Memory Direct Print for JPEG/PDF files USB B Port: Built-in Hi-Speed USB Ethernet: 10/100/1000 base-T Wireless LAN: IEEE802.11n/IEEE802.11g/IEEE802.11b | ← |
| Media Feed and Output | Roll Paper: One Roll, Front-loading, Front Output Cut Sheet: Front-loading, Front Output (Manual feed using media locking lever) | ← |
| Media Width | Roll paper: 152.4mm - 1118mm Cut sheet: 152.4mm - 1118mm | Roll paper: 203.2mm - 917mm Cut sheet: 203.2mm - 917mm |
| Minimum Printable Length | Roll paper: 101.6mm (Excluding Cloth, Canvas, Tracing Paper and Translucent Matte Film media. These media are 200mm.) Cut sheet: 203.2 mm | Roll paper: 203.2mm (Front output), 205mm (Upper output) Cut sheet: 203.2 mm |
| Margins Printable area | Roll paper: Top: 3 mm, Bottom: 3 mm, Side: 3 mm Roll paper (borderless): Top: 0 mm, Bottom: 0 mm, Side: 0 mm Cut sheet: Top: 3 mm, Bottom: 20 mm, Side: 3 mm | ← |
| Media Feed Capacity | Roll Paper: Two rolls. Automatic switching is possible. Cut Sheet: 1 sheet | ← |
| Media Take-up roll unit | Dual direction roll takes up unit allowing print surface to be wound inside or outside of the roll | ← |
| Borderless Printing Width (Roll Only) | [Recommended] 515mm (JIS B2), 594mm (ISO A1), 728mm (JIS B1), 841mm (ISO A0), 1030mm (JIS B0), 10", 14", 17", 24", 36", 42", 44" [Printable] 257mm (JIS B4), 297mm (ISO A3), 329mm (ISO A3+), 420mm (ISO A2), 6", 8", 12", 15", 16", 18", 20", 22", 30", 34", 300mm, 500mm, 600mm, 800mm, 1000mm and custom roll width (152.4 - 1118mm) **"Printable" size is printed as micro margin technology, that means is not used with hole of platen. | [Recommended] 515mm (JIS B2), 594mm (ISO A1), 728mm (JIS B1), 841mm (ISO A0), 10", 14", 17", 24", 36" [Printable] 257mm (JIS B4), 297mm (ISO A3), 329mm (ISO A3+), 420mm (ISO A2), 8", 12", 15", 16", 18", 20", 22", 30", 34", 300mm, 500mm, 600mm, 800mm and custom roll width (203.2 - 917mm) **"Printable" size is printed as micro margin technology, that means is not used with hole of platen |

Supported OS

- Windows 10
- Windows 11

Color Mode

- CMYK Contone
- RGB

Ink Configuration

- Canon imagePROGRAF TX 2100/3100/4100/TZ30000
 - LUCIA TD 5 inks

Supported media tray

- Canon imagePROGRAF TX 2100/3100/4100/5210/5310/5410 & TZ 30000/5300
 - Roll Paper (Auto)
Automatic roll switching is available if a second roll tray is installed.
 - Roll 1
 - Roll 2
Standard for TZ 30000/5300 and an option for all other models
 - Manual tray

Supported media sizes:

TX 2100/3100/4100/5210/5310/5410 & TZ30000/5300

- Roll Paper (Auto) / Roll 1 / Roll 2

| Media size | TX 4100/5410 | TX3100/5310 TZ30000/5300 | TX2100/5210 | Borderless |
|-------------------------------|--------------|-----------------------------|-------------|------------|
| 44 inch(Max Width) | ✓ | | | ✓ |
| 36 inch | ✓ | ✓ | | ✓ |
| 30 inch | ✓ | ✓ | | ✓ |
| 24 inch | ✓ | ✓ | ✓ | ✓ |
| 16 inch | ✓ | ✓ | ✓ | ✓ |
| 14 inch | ✓ | ✓ | ✓ | ✓ |
| 10 inch | ✓ | ✓ | ✓ | ✓ |
| 8 inch | ✓ | ✓ | ✓ | ✓ |
| ISO A0 Roll (841 x 15000 mm) | ✓ | ✓ | ✓ | ✓ |
| ISO A1 Roll (594 x 15000 mm) | ✓ | ✓ | ✓ | ✓ |
| ISO A2 Roll (420 x 15000 mm) | ✓ | ✓ | ✓ | ✓ |
| ISO A3+ Roll (329 x 15000 mm) | ✓ | ✓ | ✓ | ✓ |
| ISO A3 Roll (297 x 15000 mm) | ✓ | ✓ | ✓ | ✓ |
| JIS B0 Roll (1030 x 15000 mm) | ✓ | ✓ | ✓ | ✓ |
| JIS B1 Roll (728 x 15000 mm) | ✓ | ✓ | ✓ | ✓ |
| JIS B2 Roll (515 x 15000 mm) | ✓ | ✓ | ✓ | ✓ |
| JIS B4 Roll (257 x 15000 mm) | ✓ | ✓ | ✓ | ✓ |

▪ Manual tray

| Media size | TX 4100/5410 | TX3100/5310 TZ30000/5300 | TX2100/5210 |
|-------------------------|--------------|--------------------------|-------------|
| ISO A0 (841 x 1189 mm) | ✓ | ✓ | |
| ISO A1 (594 x 841 mm) | ✓ | ✓ | ✓ |
| ISO A2+ (17x24 inch) | ✓ | ✓ | ✓ |
| ISO A2 (420 x 594 mm) | ✓ | ✓ | ✓ |
| ISO A3+ (329 x 483 mm) | ✓ | ✓ | ✓ |
| ISO A3 (297 x 420 mm) | ✓ | ✓ | ✓ |
| ISO A4 (210 x 297 mm) | ✓ | ✓ | ✓ |
| ISO B0 (1000x1414 mm) | ✓ | | |
| ISO B1 (707 x 1000 mm) | ✓ | ✓ | |
| ISO B2 (500 x 707 mm) | ✓ | ✓ | ✓ |
| ISO B3 (353 x 500 mm) | ✓ | ✓ | ✓ |
| ISO B4 (250 x 353 mm) | ✓ | ✓ | ✓ |
| JIS B0 (1030 x 1456 mm) | ✓ | ✓ | |
| JIS B1 (728 x 1030 mm) | ✓ | | |
| JIS B2 (515 x 728 mm) | ✓ | ✓ | ✓ |
| JIS B3 (364 x 515 mm) | ✓ | ✓ | ✓ |
| JIS B4 (257 x 364 mm) | ✓ | ✓ | ✓ |
| ANSI E (34 x 44 inch) | ✓ | ✓ | |
| ANSI F (28 x 40 inch) | ✓ | ✓ | |
| ANSI D (22 x 34 inch) | ✓ | ✓ | ✓ |
| ANSI C (17 x 22 inch) | ✓ | ✓ | ✓ |
| ANSI B (11 x 17 inch) | ✓ | ✓ | ✓ |
| ANSI B Super | ✓ | ✓ | ✓ |
| Letter (8.5 x 11 in) | ✓ | ✓ | ✓ |
| ANSI Legal | ✓ | ✓ | ✓ |

| | | | |
|------------------------|---|---|---|
| ARCH E (36 x 48 inch) | ✓ | ✓ | |
| ARCH E1 (30 x 42 inch) | ✓ | ✓ | |
| ARCH E2 (26 x 38 inch) | ✓ | ✓ | |
| ARCH E3 (27 x 39 inch) | ✓ | ✓ | |
| ARCH D (24 x 36 inch) | ✓ | ✓ | ✓ |
| ARCH C (18 x 24 inch) | ✓ | ✓ | ✓ |
| ARCH B (12 x 18 inch) | ✓ | ✓ | ✓ |
| ARCH A (9 x 12 inch) | ✓ | ✓ | ✓ |
| DIN C0 (917 x 1296 mm) | ✓ | ✓ | |
| DIN C1 (648 x 917 mm) | ✓ | ✓ | |
| DIN C2 (458 x 648 mm) | ✓ | ✓ | ✓ |
| DIN C3 (324 x 458 mm) | ✓ | ✓ | ✓ |
| DIN C4 (229 x 324 mm) | ✓ | ✓ | ✓ |
| 20 x 24 inch | ✓ | ✓ | ✓ |
| 18 x 22 inch | ✓ | ✓ | ✓ |
| 14 x 17 inch | ✓ | ✓ | ✓ |
| 12 x 16 inch | ✓ | ✓ | ✓ |
| 10 x 12 inch | ✓ | ✓ | ✓ |
| 10 x 15 inch | ✓ | ✓ | ✓ |
| 8 x 10 inch | ✓ | ✓ | ✓ |
| US Photo 16x20 inch | ✓ | ✓ | ✓ |
| Poster 20 x 30 inch | ✓ | ✓ | ✓ |
| Poster 30 x 40 inch | ✓ | ✓ | |
| Poster 42 x 60 inch | ✓ | | |
| Poster 44 x 62 inch | ✓ | | |
| Poster (300x900mm) | ✓ | ✓ | ✓ |
| 13 x 22 inch (Canon) | ✓ | ✓ | ✓ |

First Steps

Fiery XF needs a valid ethernet connection to the imagePROGRAF printer.

As soon as the port is set up correctly and the printer is online, Fiery XF will download the media information from the printer.

In case of the RGB driver version the RIP will create EPL/ICC s from the printer information.

So, it is possible to directly use the printer without a need to create an EPL/ICC.

This functionality also supports custom paper uploaded to the printer.

Troubleshooting

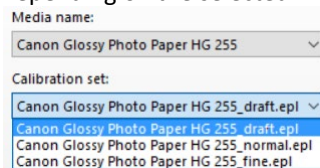
- Double check if the port settings are correct and the printer is power on.
- The communication and data loading from the printer will need some time. Wait for at least 2 minutes for network connection. You can see progress of synchronization in driver status section in special settings.
- The media information will only read once at application start time. To download again the complete set of ICCs and media information, click on sync button in special settings. To download only media information, click update button in special settings.
- Finally, if all doesn't help, please restart the Fiery XF server.

Media support (RGB)

This list a sample list of registered media types of a TX2100 RGB shown in Fiery XF.



Depending on the selected media, there are multiple EPLs available.



Every EPL represents a setting of printer resolution and print quality.

Like:

Calibration set:
 Canon Glossy Photo Paper HG 255_draft.epl ▾
 New Linearization and Profile...
 Resolution: 600 x 600
 Color mode: RGB
 Print mode: draft

Calibration set:
 Canon Glossy Photo Paper HG 255_normal.e ▾
 New Linearization and Profile...
 Resolution: 600 x 600
 Color mode: RGB
 Print mode: normal

Calibration set:
 Canon Glossy Photo Paper HG 255_fine.epl ▾
 New Linearization and Profile...
 Resolution: 600 x 600
 Color mode: RGB
 Print mode: fine

Special printer settings

- Cutting modes

Only supported for roll media.

Cut

Mode:
 Autocut on ▾
 Autocut on
 Autocut off
 Print Cut Guideline

- Borderless printing

The list of available media size will be changed, if the borderless option is checked. Not all media sizes are supported in borderless print mode. Borderless is only supported for Roll media.

Print borderless

Borderless printing

- Dry time

Setup the dry time in seconds.

Dry time:

Use printer options ▾
 Use printer options
 0
 30
 60
 180
 300
 600
 1800
 3600

- Keep Black

For the CMYK contone format, the printer has the keep black function to print the K plane using K, GY and PGY inks only.

Keep black

Active

- Print Purpose

Specify cad, photo or auto as supported Media Types in the TX/TZ series Printers .

Print Purpose

A screenshot of a dropdown menu titled 'Print Purpose'. The menu is open, showing three options: 'photo', 'photo', and 'cad'. The first 'photo' option is highlighted with a blue background. A small downward arrow is visible on the right side of the dropdown box.

- Profile sync settings.

Sync button will update profiles and media information, update button will only update media information.

Profile synchronization

A screenshot showing two buttons side-by-side: 'Sync' and 'Update'. Both buttons are light gray with black text.

- Job settings and media mismatch

Job status and accounting: If enabled, the job will be tracked in Fiery XF until it completes printing in the printer and ink consumption and media consumption details will be logged in the Job Details section.

Validate job media type and size: If enabled, driver will check if size of job will fit in the media loaded in the printer. Also, driver will check if type of media loaded in the printer is the same as the one used in job. If any of these checks fail, then job will error out in Fiery XF with the appropriate message.

Mismatch action: If media type mismatch happens, then user can select to either error out the job in Fiery XF, (default setting) or let the printer decide or let it print anyway irrespective of setting in the printer panel.

Job settings

- Job status and accounting
- Validate job media type and size

Media Type Mismatch

Mismatch action

A screenshot of a dropdown menu for 'Mismatch action'. The menu is closed, and the text 'Cancel printing' is visible in the dropdown box. A small downward arrow is on the right side.