imagePROGRAF
TX Series

Canon
Delighting You Always

TX-5420 MFP Z36

TX-5320

TX-5220
(Available without printer stand & output basket)

TX-SERIES TX-5420 | TX-5320 | TX-5220

ELEVATING THE BENCHMARK
FOR QUALITY

44″ TX-5420 Max. Print Width	36″ TX-5320 Max. Print Width	24″ TX-5220 Max. Print Width	NEW LUCIA TD ink	FINE Full-photolithography Inkjet Nozzle Engineering
L-COA PRO	5pl Ink droplet size	Multifunction Roll System	100 Sheets High Capacity Stacker	Optional MFP
Connectivity	Auto Media Loading	AUTO Auto Media Detection	AUTO Estimation of Remaining Media	500 GB Encryted HDD

The new imagePROGRAF TX-Series printer are engineered to deliver outstanding quality, high productivity and operability.

Equipped with unique class-leading print technologies and security features, TX series is the ideal solution for all CAD drawings, GIS, perspective rendering and poster printing; the 24″ TX-5220 being the latest addition to its lineup.

TX-5220   TX-5320   TX-5420   TX-5320 MFP Z36   TX-5420 MPF Z36

5 colour pigment ink

CORE TECHNOLOGIES

- High-precision mechanical platform
- High-speed image processing engine
- Printing technology

HIGH-PRECISION MECHANICAL PLATFORM

The unibody structure is engineered to provide strong and stable platform, allowing print head to scan at high speed while maintaining precise ink droplet placement for high-quality print.

High Precision Ink Droplet Placement
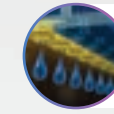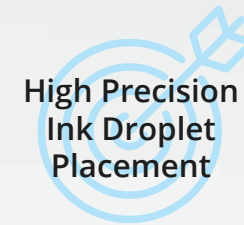
Inkjet printing image consists of huge amount of micron size droplet
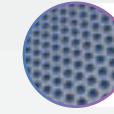
Accurate dot placement is a key to superb image quality

PRINTING TECHNOLOGY

The TX series employs FINE print head, PF-06, which is 1.07 inch wide with 6-colour channels and 15,360 nozzles. The improved thermal diffusion provides better uniformity of ink density and colours, while non-firing nozzles detection will automatically compensate for nozzle blockage, ensuring best quality on every print.

FINE Full-photolithography Inkjet Nozzle Engineering

LUCIA TD ink

The LUCIA TD 5-colour all pigment ink, featuring a **new Magenta ink**, offers exceptional printing quality on plain, coated, glossy, and water-resistant poster papers. It uses black and matte black inks for crisp, dense text and lines with minimal feathering. This ink system delivers vibrant colours, outstanding colour fastness to prevent fading, and excellent outdoor weather resistance on water-resistant media

HIGH-SPEED IMAGE PROCESSING ENGINE

Powered by L-COA PRO processing engine, the TX series is capable of processing massive image data and controls the optimal ink layout that produces high-resolution prints, delivering supreme quality at high speed.

INCREASE YOUR PRODUCTIVITY AND WORKFLOW EFFICIENCY

FAST PRINTING SPEED

The TX series realised faster throughput during continuous printing by optimising the pre-processing of print data, process of media cutting and media transport.

Pre-print operation and print spooling have been optimised to achieve faster first print from standby or sleep mode.

INDUSTRY LEADING MEDIA HANDLING CAPABILITIES
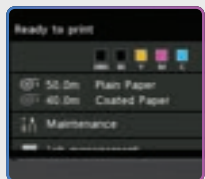
AUTO

Automatic Media Loading
Load a roll of media on the arm, and the printer will automatically detect and feed it, eliminating the need for manual roll feeding. This process significantly reduces media loading time, prevents stains and scratches, and is **40% faster in daily operations, thereby enhancing overall productivity.**

AUTO

Automatic Media Type Detection
Automatically detects the media type and width using the internal database and historical media usage data in the printer, ensuring optimum setting and adjustment to print-ready status with minimal supervision. **Offers media selection in the operational panel when loading new media.**

Automatic Remaining Media Estimation
Automatically estimates the remaining roll amount and gives alert when media isinsufficient for the print jobs. This eliminates the need of barcode printing while saving time, paper and ink.

TX-5420

HOT-SWAP INK TANKS

Constantly reserving ink in sub ink tanks allows users to replace ink tanks without having to stop printing. This eliminates downtime in continuous printing and enables ink inside the ink tanks to be fully utilised.

CAD/POSTER ENHANCEMENT

CAD & Poster red color development using new Magenta ink coupled with **faster print speed poster prints to meet high speed and high volume, creating eye catching prints.**

HIGH-CAPACITY INK TANKS

Support high volume continuous printing with the large capacity 700ml, 330ml or 160ml ink tanks. They can be interchangedaccording to frequency of use.

DUAL-ROLL FEEDING

The dual-roll feeding unit enables users to load a second roll of a different or same media type and size to minimise the downtime during high-volume continuous printing. The unit can be configured as a bi-directional media take-up unit to rewind longer prints for further processing such as lamination.

HIGH-CAPACITY STICKER

The TX series offers efficiency needed by high-volume printing. The optional stacker is capable of stacking up to 100 sheets without the need for operator handling.

SECURE YOUR PRINT ENVIRONMENT

The TX series complies with the **Advanced Encryption Standard (256-bit)** established by the U.S. National Institute of Standards and Technology (NIST).

HARD DISK DRIVE ENCRYPTION

Print jobs and data are in safe hands with the TX series, they are protected at all times by secured encryption.

SECURE PRINTING

Keep confidential information secure by protecting the print job with passcode and delay print release until user enters passcode at the operation panel.

SECURE PROTOCOLS

Data are transmitted seurely through secured protocols such as IPSec, SNMPv3, SSL/TLS and 802.1x authentication.

FULL ADMINISTRATOR CONTROL

Administrator control makes it possible to restrict operation panel access and printer functionality according to users' level of security requirements.
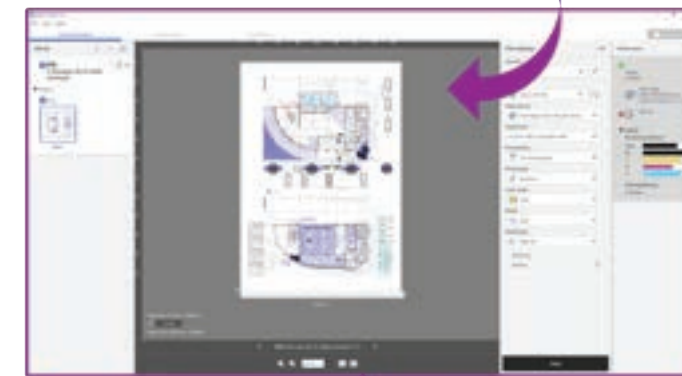
SECURE DISK & FILE ERASURE

Data erasure overwrites and destroys overwritten data to ensure complete data destruction on the printer hard disk, providing

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Managing your print jobs
has never been easier.

Canon software applications are designed specifically to keep each print job on track and improve your workflow and productivity.

JUST **DRAG & DROP**

NOW WITH
DIRECT PRINT PLUS

The newly developed print job submission tool makes workflow simpler and more efficient with features including shortcut printing, batch printing of multiple files, nesting and print job progress monitoring.

DEVICE MANAGEMENT CONSOLE

Accounting Manager is ideal for businesses looking to track printing costs based on the cost of media and ink.

PRISMAproduce Tech

PRISMAproduce Tech is a powerful workflow application and a user-friendly way to create document sets of dozens of files and submit them easily to imagePROGRAF printers.

POSTERARTIST WEB

Canon's PosterArtist software lets you design and print professional looking posters with over 1,300 templates, photos and clipart to suit a wide variety of business environments. Creating head turning posters or signs has never been easier.

FREE LAYOUT PLUS

A print utility that allows users to tile, nest and create custom layouts before printing.

CANON PRINT

A Canon app that connects your mobile device wirelessly to TX series to print, scan and copy. It also works as a portal to manage your printer settings and monitor your printer status for a seamless printing experience.

ACCOUNTING MANAGER

Accounting Manager is ideal for businesses looking to track printing costs based on the cost of media and ink.

MEDIA CONFIGURATION TOOL
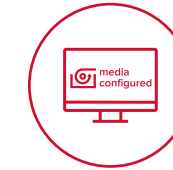
Simplifies media management for Canon and third party media, allowing you to customize media in both the driver and printer for optimum print result.

imagePROGRAF MFP SOLUTION

The new TX series MFP solution provides maximum performance in scanning and copying with speed and precision while keeping its footprint minimal.

TX-5420 MFP Z36

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SINGLESENSOR, DUAL LED TECHNOLOGY

Patented SingleSensor covers the full width to ensure the finest texts are reproduced without misalignment.
Bi-directional illumination from dual LED reduces shadowing at creases or folds, ensuring high quality scanned image.

PARALLEL PROCESSING OF SCANNING AND PRINTING

Parallel processing significantly improves productivity and efficiency by performing print and scan operation simultaneously.

DIVERSE MEDIA SUPPORT

Front entry - rewind to front path makes it convenient for regular scanning of plain paper document, while the straight-through paper path accepts scan documents up to 1 mm in thickness.

INTUITIVE SYSTEM CONTROLS

The large 15.6" touchscreen panel system controller makes it easy to perform pre- and post-scan settings and preview before printing. Supports scanning files to network locations including cloud **Dropbox & Box**, save **multiple scan folder paths for each user** and scan to emails.

SECURE YOUR BUSINESS

The closed system controller with present security software and TPM module for encryption, makes it a secure scanning solution. The presence of accounting and user & account customisation allows the administrator to set up company-specific around scanning and copying. This prevents failure costs and optimises user friendliness and productivity.

SMARTWORKS MFP V6 WITH ABUNDANT FEATURES

The new SmartWorks MFP scanning software simplifies large format scanning and copying with an intuitive interface and features such as auto deskew, which automatically adjusts previews, along with de-skew, white point adjustment, color reversal, and image restoration, making it ideal for archiving old drawings.

*TX-5420 MFP Z36 is a combination of TX-5420 printer and Z36 scanner.
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SPECIFICATIONS

PRINTER		TX-5420	TX-5320	TX-5220
Printer Type		5-Colour 44" (1,118 mm)	5-Colour 36" (914 mm)	5-Colour 24" (610mm)
Number of Nozzles		15,360 nozzles (MBK: 5,120 nozzles; BK, C, M, Y: 2,560 nozzles each)		
Max. Print Resolution		2400 × 1200 dpi		
Nozzle Pitch		1200 dpi (2 lines)		
Line Accuracy [1]		± 0.1 % or less		
Min. Ink Droplet Size		5 pl		
Ink Capacity	Sales Ink	160 ml / 330 ml / 700 ml (MBK, BK, C, M, Y)		
	Bundled Starter Ink	330 ml (MBK, BK, C, M, Y)	330 ml (MBK) / 160 ml (BK, C, M, Y)	
Ink Type		Pigment ink		
Printer Languages		SG Raster (Swift Graphic Raster), HP-GL/2, HP RTL, PDF (Ver. 1.7), JPEG (Ver. JFIF1.02)		
Print Solutions		Apple AirPrint, Direct Print Plus, CPP PRISMAproduce Tech, Easy-PhotoPrint Editor, Canon PRINT Inkjet (Mobile), Canon Print Service, Free Layout Plus, PosterArtist Windows/Web/Lite, uniFlow		
Management Solutions		Media Configuration Tool, Accounting Manager, Device Management Console, Quick Utility Box		
Interface (Built-in)	Standard	Hi-Speed USB, Full Speed (12 Mbit/sec), Hi-Speed (480 Mbit/sec), Bulk transfer, Series B (4 pins), USB Memory (Direct Print)		
	Network	IEEE 802.3 10base-T, IEEE 802.3u 100base-TX, IEEE 802.3ab 1000base-T, SNMP, HTTP, FTP, TCP/IP (IPv4/IPv6)		
	Wireless LAN	IEEE802.11 b/g/n, WPA-PSK (AES), WPA2-PSK (AES), WPA3-SAE (AES), WPA-EAP (AES)*, WPA2-EAP(AES)*, WPA3-EAP(AES)*		
		*IEEE 802.1X (EAP-TLS/EAP-TTLS/PEAP)		
Memory		Standard: 128 GB (Physical: 2 GB)		
Hard Disk		500 GB (Encrypted)		
PRINT SPEED [2]				
Plain Paper	CAD Drawings	33 sec [Fast (Custom Q5)] in A0 Size	32 sec [Fast (Custom Q5)] in A0 Size	20 sec [Fast (Custom Q5)] in A1 Size
Heavyweight Coated Paper HG	Poster	1 min 30 sec [Fast] in A0 Size 2 min 33 sec [Standard] in A0 Size	1 min 30 sec [Fast] in A0 Size 2 min 33 sec [Standard] in A0 Size	49 sec [Fast] in A1 Size 1 min 20 sec [Standard] in A1 Size
Glossy Photo Paper HG 170	Poster	5 min 36 sec (Standard) in A0 Size	5 min 36 sec (Standard) in A0 Size	3 min 08 sec (Standard) in A1 Size
MEDIA HANDLING				
Media Width	Roll Paper / Cut Sheet	152.4 ~ 1,118 mm	152.4 ~ 914 mm	152.4 ~ 610 mm
Media Thickness	Roll Paper / Cut Sheet	0.07 ~ 0.8 mm		
Min. Printable Length	Roll Paper	101.6 mm[3]		
	Cut Sheet	203.2 mm		
Max. Printable Length	Roll Paper	18 m[4]		
	Cut Sheet	1.6 m		
Max. Roll Outer Diameter		170 mm or less		
Media Feed Method	Roll Paper / Cut Sheet	Front Load, Front Output [5]		
Media Take-up Unit [6]		Dual directions rolling take-up		
Margins	Recommended Area	Roll Paper - Top: 20 mm, Bottom: 3 mm, Side: 3 mm Cut Sheet - Top: 20 mm, Bottom: 31 mm, Side: 3 mm (Apple AirPrint) Cut Sheet - Top: 20 mm, Bottom: 20 mm, Side: 3 mm (Others)		
	Printable Area	Roll Paper - Top: 3 mm, Bottom: 3 mm, Side: 3 mm Roll Paper - Top: 0 mm, Bottom: 0 mm, Side: 0 mm (Borderless Print) Cut Sheet - Top: 3 mm, Bottom: 12.7 mm, Side: 3 mm (Apple AirPrint) Cut Sheet - Top: 3 mm, Bottom: 20 mm, Side: 3 mm (Others)		
Borderless Printing (Roll paper width, standard & custom sizes)	Printable Media Width	152.4 ~ 1,118 mm	152.4 ~ 914 mm	152.4 ~ 610 mm
Media Output	Multi-Position Basket	Standard Position: 1 sheet Flat Position: 10 sheets glossy paper / 20 sheets coated or plain paper (A2 Landscape)		-
	Stacker[7]	Standard Position: 10 sheets plain paper (A0) Folding Position: 20 sheets plain paper (A0) / 100 sheets uncoated paper (A0) Stacking Position: 100 sheets uncoated / plain paper (A1)		-
DIMENSIONS & WEIGHT [8]				
Packaged Dimensions (W x D x H) Weight	Main Unit + Pallet	-	-	1338 x 912 x 1139 mm 122 kg
	Main Unit + Stand + Basket + Pallet	1820 x 915 x 1042 mm 168 kg	1626 x 903 x 1033 mm 157 kg	1338 x 912 x 1139 mm 140 kg
	Stacker	1464 x 906 x 291 mm 29 kg	1249 x 906 x 291 mm 26 kg	-
	Roll Unit	1727 x 562 x 461 mm 34 kg	1524 x 562 x 461 mm 31 kg	1244 x 562 x 461 mm 28 kg
Dimensions (W x D x H) Weight	Main Unit	-	-	1110 x 734 x 629 mm 75 kg
	Main Unit + Stand + Basket	1593 x 984 x 1168 mm (Basket Open) 1593 x 766 x 1168 mm (Basket Closed) 112 kg[9]	1390 x 984 x 1168 mm (Basket Open) 1390 x 766 x 1168 mm (Basket Closed) 103 kg[9]	1110 x 984 x 1168 mm (Basket Open) 1110 x 766 x 1168 mm (Basket Closed) 91 kg[9]
	Roll Unit	1577 x 336 x 318 mm 20 kg	1374 x 336 x 318 mm 19 kg	1094 x 336 x 318 mm 16 kg
POWER AND OPERATING REQUIREMENTS				
Power Supply		AC 100 - 240 V, 50-60 Hz		
Power Consumption	Operation	87 W or less	86 W or less	86 W or less
	Sleep Mode	1.7 W or less		
	Power OFF	0.1 W or less		
Operational Environment	Temperature	15 - 30 °C		
	Humidity	10 - 80 % RH (no dew condensation)		
Acoustic	Power [9]	Operation: Approx. 69 dB		
	Pressure [9]	Operation: Approx. 51 dB (A) Standby: 35 dB (A) or less		Operation: Approx. 50 dB (A) Standby: 35 dB (A) or less
OPTIONS				
Roll Unit		RU-42	RU-32	RU-22
Stacker		SS-41	SS-31	-
2" / 3" Roll Holder		RH2-46	RH2-34	RH2-29
Printer Stand		-	-	SD-21
CONSUMABLES				
Ink Tank		Magenta: PFI-8111 (160ml) / PFI-8311 (330 ml) / PFI-8711 (700 ml) Matt Black / Black / Cyan / Yellow: PFI-8110 (160 ml) / PFI-8310 (330 ml) / PFI-8710 (700 ml)		
Print Head		PF-06		
Cutter Blade		CT-07		
Maintenance Cartridge		MC-30		

*1   User adjustments required. Printing environment and media must match those used for the adjustments. Paper required: Plain paper, CAD tracing paper, coated paper, CAD translucent matte film only.
*2   Time taken to print one page does not include time required for data processing, data transfer and pre-printing operations.
*3   Minimum printable length for cloth, canvas, tracing paper and translucent matte film media is 200 mm.
*4   Varies according to the OS and application.
*5   For cut sheet, manual feed using media locking lever.
*6   Optional accessory for TX-5420.
*7   Optional accessory for TX-5320 and TX-5420.
*8   Include roll holder set, exclude ink and print head.
*9   Measured using ISO 7779 standard by using 42" plain paper for TX-5420 or 36" plain paper for TX-5320, standard mode and line drawing / text mode.
*10 RU-32 is a required accessory for TX-5320.

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TX Series

SCANNER *11		Z36
Scan Width		36" (914 mm)
Min. Scan Width		6" (150 mm)
Max. Scan Length	JPEG / PDF	8 m
	PDF Long Scan	50 m (300dpi)
	TIFF	15.2 m
Max. Copy Speed (inch/sec) *12	24-bit Colour	200 dpi: 6 ips / 152.4mm per sec 300 dpi: 4 ips / 101.6mm per sec 600 dpi: 2 ips / 50.8mm per sec
	8-bit Greyscale & Monochrome	200 dpi: 13 ips / 330.2mm per sec 300 dpi: 8.6 ips / 218.4mm per sec 600 dpi: 4.3 ips / 109.2mm per sec
Max. Scan Speed (inch/sec) *12	24-bit Colour	200 dpi: 3 ips / 76.2mm per sec 300 dpi: 2 ips / 50.8mm per sec 600 dpi: 2 ips / 50.8mm per sec
	8-bit Greyscale & Monochrome	200 dpi: 13 ips / 330.2mm per sec 300 dpi: 8.6 ips / 218.4mm per sec 600 dpi: 4.3 ips / 109.2mm per sec
Optical Resolution		1200 dpi
Document Handling *13		Front Load, Rear Output
Max. Document Thickness *14		1 mm
System Controller	Hard Disk	256 GB (Solid State Drive)
	Memory	8 GB (DDR 4)
	Display	15.6" multi-touch colour display
	Software Included	SmartWorks MFP V6
Scan Format		PDF / Multipage PDF / Multipage TIFF/ JPEG / TIFF / DWF
Scan Functions		Copy, Scan, Print, Edit, Copy&Archive
Scan Destinations		USB, Network, Folder, Email, Cloud
Dimensions (W x D x H) *15		1056 x 251 x 156 mm
Weight	Scanner	7.8 kg
	System Controller	2.5 kg
Power Consumption (Scanner)	Operation *16	22.7 W (Colour) / 23.3 W (Greyscale)
	Sleep Mode	0.2 W
	Standby	12.4 W

*11 Scanner is designed by Global Scanning DK A/S. Scanner is supplied with TX-5320 MFP Z36.
*12 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. Scan times quoted are the maximum for true 200 x 200 dpi image capture.
*13 Thicker documents must be flexible and the document return guides removed and may require additional support. Some media should be scanned at reduced speeds. It is not possible to guarantee to be able to scan all media types and sizes.
*14 To return document to the front, use document return guides.
*15 Document return guides and paper tray folded.
*16 Power consumption is measured with scan resolution setting of 200 dpi.

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