Canon

The Next Standard of Engineering.

190 D Prints/Hour | Intelligent Media Handling | Scan-to-Copy/File/ Share Solution Available

imagePROGRAF

TX Series

Setting the Next Standard of Engineering

Canon delivers the imagePROGRAF TX Series of Large-format Printers—
the solution to help you capitalize on the emerging market trends and
help lead your organization on the path to success.

- 36" imagePROGRAF TX-3100

- 44" imagePROGRAF TX-4100

- 36" imagePROGRAF TX-3100 MFP Z36
Scan-to-Copy/File/Share Solution

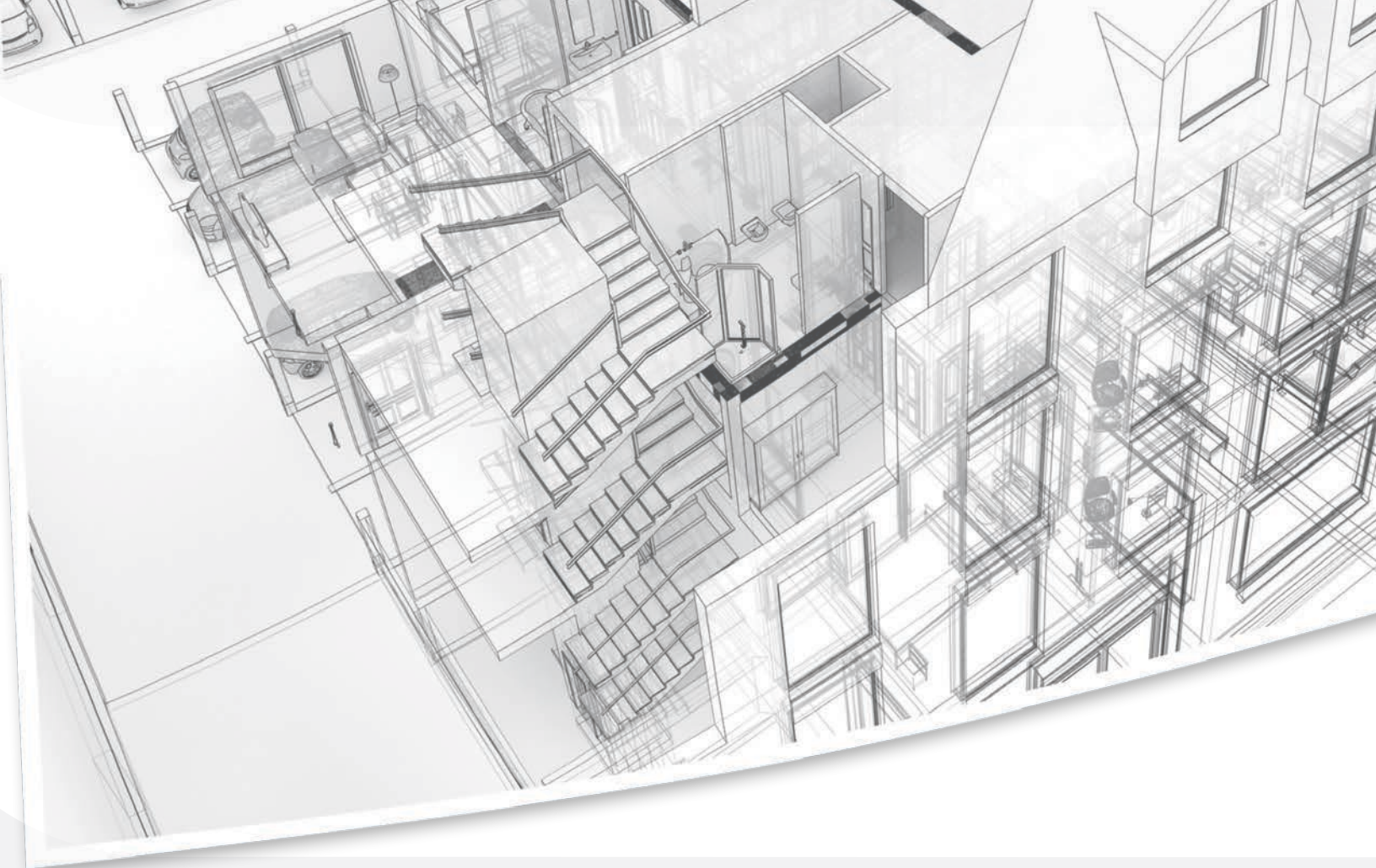- 44" imagePROGRAF TX-4100 MFP Z36
Scan-to-Copy/File/Share Solution

imagePROGRAF TX-4100 MFP Z36
Printer with TX Stacker

imagePROGRAF TX-3100
Printer with Multipositional
Catch Basket

Core Technologies

#3 IN OVERALL U.S. PATENTS*

AMONG TOP 5 IN THE U.S. PATENTS FOR 31 CONSECUTIVE YEARS*

Canon continues to innovate and build on its award-winning technology,** year after year. These advances have allowed Canon to design solutions to help improve productivity, maximize use, and enhance security features in a seamless system that can put you at the forefront of the large-format printing industry.

Built for today's culture—where more is asked with less—Canon offers multifaceted advanced solutions for the high-production, technical document inkjet printer market.

* U.S. Patent and Trademark Office, 2020
** BLI, Wide Format Line of the Year, 2020

Print Head

Optional Multifunction Roll

LUCIA TD Pigment Ink

TX Stacker

Security Features

Software Solutions

3

Advantages Built Right In

The imagePROGRAF TX Series printers offer innovative technologies integrated in their ink system, print head, and mechanical platform. These printers satisfy the needs of the high-volume CAD and low-volume LED plotter markets with print quality, usability, security features, and **print speeds up to 190 D-sized prints per hour.**◆

LUCIA TD PIGMENT INK

The imagePROGRAF TX Series printers have a 5-color LUCIA TD Pigment ink system. This ink produces fine lines and sharp text, even on non-inkjet coated paper. This ink helps provide a balance between bleed resistance, black density, and water resistance not found in dye ink. Choose from 160 ml, 330 ml, or 700 ml ink tanks.

MBk Bk C M Y

INTELLIGENT MEDIA HANDLING

The TX Series now has a new Intelligent Media Roll with an advanced sensor technology system. This allows the printer to detect roll width, length and media type, reducing the amount of time it takes to load media into the printer.

SECURITY FEATURES

The imagePROGRAF TX Series Large-format Printers come equipped with security features designed to help protect confidential information. Features include:

- Encrypted Hard Drive
- Enhanced Printer Setting Initialization Function
- Secure Disk Erase (Conforms to U.S. Department of Defense standard DoD5220.22-M)
- IPsec Support
- SSL/TLS
- 802.1x Authentication
- DHCP
- SNMPv3
- Secure Encrypted PIN Printing

SECOND ROLL OPTION

The optional Multifunction Roll System can be used in two different ways. You can load a second roll of media, which can be of a different type and size, so you can automatically switch between media types and sizes, without interrupting your workflow. Or the unit can be operator-configured as a bi-directional Take-up unit. For production printing, two rolls of media up to 650 ft. in length each (6.7" diameter) can be loaded on the printer, giving you the ability to produce over 4,700 sq. ft. of continuous printing on the TX-4100.
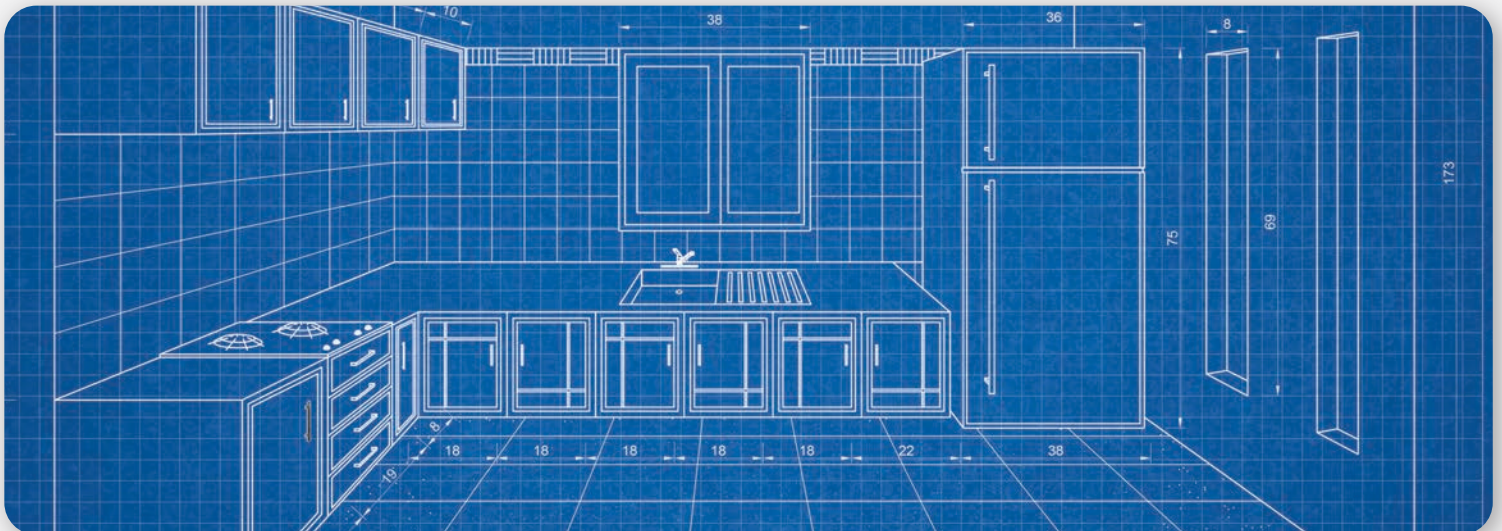
MEDIA OUTPUT

The TX Stacker can stack up to 100 sheets of ARCH C, ARCH D, or ARCH E page sizes for increased productivity. For those who don't require this stacker, the Multipositional Catch Basket is available and offers choices on how prints will be outputted based on the type and quantity being produced.

SUB-INK TANK SYSTEM

As always, the Sub-Ink Tank System is standard with all imagePROGRAF printers for uninterrupted printing. This feature allows for virtually all the available ink in a tank to be used before having to replace it, helping to eliminate any wasted ink.

◆ Plain paper, Fast (Q5) mode.

Printing Solutions

A wide variety of standard software is available to help streamline and optimize workflows in large-format printing environments.

DIRECT PRINT PLUS
This job submission software gives users the ability to upload, download, and print files, including:
- Easily collate sets
- Accurate errors displayed preprint to save ink/media
- Nesting
- Now displays job progress
- Up to 60% faster processing speeds than Direct Print & Share
- Drag-and-drop files to a Hot Folder
- Batch Print Files—PDF, JPEG, TIFF, and HP-GL/2 supported

DIRECT USB PRINTING
Both PDF and JPEG files can be directly printed on the imagePROGRAF TX Series devices. Simply input the thumb drive into the USB port on the printer, preview the image on the operation panel, and print!

CPP PUBLISHER SELECT
Manage printer status, media, and ink availability and receive operator warnings when ink is low or the media roll is empty.

Wi-Fi®
Wi-Fi connectivity* is standard for the imagePROGRAF TX Series printers.

UNIFIED PRINTER DRIVER
A unified Windows driver enables users to print to any imagePROGRAF TX Series device, without the need to install additional drivers for each printer model. This simplifies installation of multiple devices within the same environment.

AutoCAD® OPTIMIZED PRINTER DRIVER
This optimized printer driver helps enable accurate printing of data created with AutoCAD.

ACCOUNTING MANAGER
This helps track actual ink and media usage and costs for up to 50 devices.

PosterArtist Lite
This poster-creation software for PCs makes it easy to create posters, signs, and banners from hundreds of customizable templates and stock images. Users just follow the simple, step-by-step, on-screen instructions—no design experience is required! For more information, visit **usa.canon.com/posterartist**.

CANON'S PRINT PLUG-IN FOR MICROSOFT® OFFICE
Makes printing enlargements from Microsoft® Excel®, Word, and PowerPoint® as easy as printing to a desktop printer! The on-screen wizard simplifies settings, scaling, and paper size selection.

MEDIA CONFIGURATION TOOL
Register new or custom media types and update the list of Canon GENUINE media.

* Wireless printing requires a working network with wireless 802.11b/g or 802.11n capability. Wireless performance may vary based on terrain and distance between the printer and wireless network clients.

imagePROGRAF TX MFP Z36 Large-Format Printers

Scan-to-Copy/File/Share, the imagePROGRAF TX-3100 MFP Z36 and imagePROGRAF TX-4100 MFP Z36 models are integrated, multifunction, large-format solutions that include a Z36 scanner, all-in-one touchscreen computer, TX Stacker or Catch Basket, and SmartWorks software.

The Canon imagePROGRAF TX MFP Z36 systems are multicomponent, multifunction solutions for architects, engineers, construction, GIS, and other professionals who need to scan, edit, save, share, and print large-format documents easily and efficiently.

ALL-IN-ONE DESIGN
- Scanner attaches to the top of the printer
- Newly developed model is smaller and lighter in weight than previous scanners

SIMULTANEOUS PROCESSING OF SCANNING AND PRINTING
- Scanner and printer work independently allowing for greater productivity

New Intuitive User Interface

All-in-One 15.6"
Touchscreen PC

Lightweight Z36
Large-Format Scanner

5-Color
Pigment Ink
Large-Format
Printer

Optional
Multifunction
Roll System

Integrated
Design

imagePROGRAF TX-3100 MFP Z36 Printer
Shown with TX Stacker and Optional MFR

Software and Scanner

SmartWorks MFP scanning software simplifies large-format scanning with intuitive operations on the touchscreen display. Even novice users can easily scan, copy, or edit large-format images.

Z36 SCANNER

The Z36 scanner incorporates a SingleSensor Technology Assembly, which helps provide consistent and better color accuracy with more detail in the shadows and highlights than a staggered CIS array scanner.

Features

- Scanning speed of up to 13 inches per second (monochrome) and up to 6 inches per second (color)
- Scan a document up to 1.0 mm thick
- Face up/front load/rear exit
- Straight paper path

SmartWorks SOFTWARE

Enhancements have been made to the SmartWorks Software included with both the TX-3100 MFP Z36 and TX-4100 MFP Z36 printers.

SmartWorks offers:

- An easy-to-use interface with customizable background and presets
- Scan-to Multipage PDF/TIFF as a standard feature!
- Real-time preview on the large 15.6" touchscreen

Z36 SCANNER SPECIFICATIONS

Max Scan Speed*
- 24-bit Color @ 200 dpi: 3" (Per Second)
- 8-bit Grayscale and Monochrome @ 200 dpi: 13" (Per Second)

Copy Speed
24-bit color @ 200 dpi: 6" (Per Second)

Scan Modes
- 16.7-million Color RGB (24-bit)
- 256-level Grayscale (8-bit)
- Black and White (1-bit)

Color Space
sRGB

Maximum Resolution
1200 dpi (Optical)

Scan Accuracy**
+/- 0.1% ; +/- 1 Pixel

Maximum Image Width
36"

Maximum Media Width
38"

Maximum Scan Length
164' (PDF); 315" (JPEG); 598" (TIFF)

Maximum Media Thickness
0.003" – 0.04" (0.07 mm – 1.0 mm)

Media Feed System
Adaptive CIS media focus management and media guide mechanism; intuitive face-up, front-loading, and front/rear-exit media path; automatic media size detection with optical media sensors

Digital Imaging Technology
Contact Image Sensor (CIS) Technology (SingleSensor Assembly)
- 24-bit RGB digital color image capture
- 16-bit grayscale image capture
- Panchromatic monochrome and black and white
- Bi-directional extra long-life LED light system for optimum object illumination and instant-on scanning capability

Digital Image Processing
- 2D Intelligent Adaptive Thresholding (IAT) (1-bit mode)
- Fixed Threshold Black and White (1-bit mode)
- Dynamic Normalization Application (DNA) with 16-bit Super Sampling

User Status and One-Touch Operation
Right-side mounted control panel; walk-up operation and user selection of stop, forward and rewind, scan, copy, or copy and archive

Included Software
- SmartWorks MFP Scan-to-Copy/File/Email with Real-time Image Viewer. Supports TIFF, JPEG, TIFF G4, and PDF

Operating System
Windows 10 LTSC

User Maintenance
Installable Plug-and-Play Scanner; Simple Cleaning

Scanner Interface Kit
Superspeed USB 3.0 (PC Connector Compatible with USB 2.0 and USB 3.0 Sockets)

Operating Environments
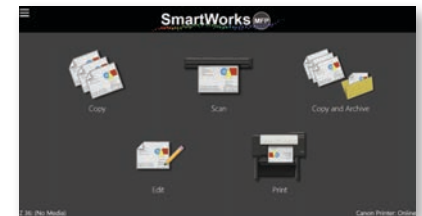10 – 35° C, 10 – 90% RH, Non-condensing

External Power Supply
100 – 240 VAC Autosensing +/-10%, 50 – 60Hz

Scanner Power Consumption
- Sleep: 0.2W, Idle: 12.4W
- Scanning color/grayscale at 200 dpi: 22.7W/23.3W

Compliances
ENERGY STAR®, CB (62368-1), CE, FCC (EMC), CuI/UL, CCC, NOM-019, EAC, C-TICK, VCCI, BIS, EMC +LOA, UL AR, WEEE, REACH, RoHS, EU—Tier 3 of Lot6

Scanner Dimensions
Height: 7"
Width: 42"
Depth: 10"

Scanner Weight
17 lb., 3 oz.; (Approx.)

Scanner Package Dimensions (H x W x D) and Weight
15" x 45" x 17"; 46 lb. (Approx.)

What's In The Box?
- Z36 Scanner with Power Cord, USB 3.0 Cable (2 meter)
- 15.6" System Controller
- 3:1 Trident Power Cord
- Power Supply
- Mount for Printer and System Controller
- 2 Paper Edge Guides
- Document Return Guides
- Calibration Target
- Assembly and Startup Guide

* The scan rate is proportional across the full range of resolutions supported by the scanner. Actual scan times will depend on the host system performance. Quoted top speeds may be limited by the effective bandwidth of the USB 2 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.

Note: The imagePROGRAF TX Series MFP Z36 systems contain multiple components, some of which are manufactured by third parties. To the extent that such third-party offerings come with limited warranties, those such limited warranties are hereby passed to the purchaser, and Canon shall have no obligation or any liability with respect to such third-party offerings.

Print Head
PF-06

Technology
FINE (Photolithography Inkjet Nozzle Engineering)

Print Resolution (Max.)
2400 x 1200 dpi

Line Accuracy*
±0.1% or Less

Minimum Line Weight**
0.02 mm

Number of Nozzles
Matte Black: 5,120 Nozzles
Other Colors: 2,560 Nozzles per Color

Droplet Size
5 Picoliter

Nozzle Pitch (Head Resolution)
1200 dpi x Two Rows

Print Head Swath
1.07 inch

Ink Type
Pigment: Matte Black (MBK), Cyan (C), Magenta (M), Yellow (Y), Black (BK)

Ink Tank
Shipped with Printer:
TX-3100 (160 ml each color, 330 ml MBK)
TX-4100 (330 ml each color)
Replacement: PFI-110 (160 ml), PFI-310 (330 ml), or PFI-710 (700 ml)

Ink Supply Method
Tubing System with Sub-tanks for Continuous Ink Supply

Nozzle Recovery System
Non-firing Nozzle Detection and Compensation

Printer Controller
L-COA PRO

Printer RAM
128 GB (Virtual), 2 GB (Physical)

Hard Drive
500 GB

Mailboxes (User Job Storage)
One Common Inbox; 29 User Inboxes
(Password-protected)

Media Feed
Roll Feed: One Roll, Front-loading, Front Output

Media Width
TX-3100
Roll Feed: 6"-36" (152 mm –914 mm)
Cut Sheet: 6"-36" (152 mm –914 mm)
TX-4100
Roll Feed: 6"-44" (152 mm – 1118 mm)
Cut Sheet: 6"-44" (152 mm –1118 mm)

Printable Margins
Roll Feed: All Sides: 0.12" (3 mm) or 0" for Borderless

Maximum Print Length (Single Page)†
Roll Feed: 59' (18 m)
Cut Sheet: 63" (1.6 m)

Borderless Printing Widths (Roll Media Only)
TX-3100
Custom Roll Width 6" – 36" with micro margin technology
TX-4100
Custom Roll Width 6" – 44" with micro margin technology

Media Cutter
Durable Dual-Blade Rotary Cutter

Media Thickness
0.07 mm – 0.8 mm

Media Core Sizes
2" and 3" Core (Adapter Included)

Maximum Roll Outer Diameter
6.7" (170 mm)

Media Output Options
TX Stacker
Multipositional Catch Basket

Printing Software Utilities
Accounting Manager, Canon Print Service, Canon Production Printing (CPP) Driver Select, Canon Production Printing (CPP) Publisher Select, Device Management Console, Direct Print Plus, Free Layout Plus, imagePROGRAF Printer Driver for Windows®/Mac®, Media Configuration Tool, PosterArtist Lite for Windows, Optimized Driver for AutoCAD®, Quick Utility Toolbox

Operating System
Windows® 7 (32/64-bit), Windows 8.1 (32/64-bit), Windows 10 (32/64-bit), Windows Server 2008 R2, (32/64-bit), Windows Server 2012 (64-bit), Windows Server 2012 R2 (64-bit), Windows Server 2016 (64-bit), Windows Server 2019 (64-bit), Macintosh OS 10.12.6 and later

Print Language
Printer: SGRaster, HP-GL/2, HP RTL, PDF, JPEG

Interface
Standard (Built-in): USB 2.0 Hi-Speed, 10/100/1000Base-T/TX, Wireless LAN (IEEE 802.11 b/g/n)▪
Direct USB Thumb Drive Printing

Acoustic Noise
Operation: 51 dB (A) or Less
Standby: 35 dB (A) or Less
Acoustic Power: 6.9Bels or Less

Power Supply
AC 100 – 240V (50 – 60 Hz)

Power Consumption
Maximum: **TX-3100:** 115 W or Less
TX-4100: 116W or Less
Standby: 2.0 W or Less
Power Off: 0.3 W or Less (Executive Order Compliant)

Certifications
Electrical Safety Regulations
C TUVus (U.S.A.), C TUVus (Canada)
Electromagnetic Interface Regulations
FCC Part 15B (U.S.A.), IC (Canada)
Radio Regulations
FCC Part 15C (U.S.A.), IC (Canada)
Environmental Certifications
ENERGY STAR® (Worldwide)

Operational Environment
Temperature: 59° F – 86° F (15° C – 30° C)
Relative Humidity: 10 – 80% (No Condensation)

Printer Dimensions (H x W x D) and Weight with Stand and Stacker (With Stacker Open)
TX-3100: 46" x 55" x 47"; 257 lb. (Approx.)
TX-4100: 46" x 63" x 47"; 278 lb. (Approx.)
With Catch Basket Open
TX-3100: 46" x 55" x 39"; 231 lb. (Approx.)
TX-4100: 46" x 63" x 39"; 252 lb. (Approx.)

Package Dimensions (H x W x D) and Weight (With Stand and Pallet)
TX-3100
42" x 64" x 36"; 328 lb. (Approx.)
Stacker
12" x 50" x 36"; 52 lb. (Approx.)
Catch Basket
8" x 56" x 22"; 18 lb. (Approx.)
TX-4100
42" x 72" x 37"; 355 lb. (Approx.)
Stacker
12" x 58" x 36"; 55 lb. (Approx.)
Catch Basket
8" x 56" x 22"; 18 lb. (Approx.)

Options
• Multifunction Roll System
 (**TX-3100:** RU-32, **TX-4100:** RU-42)
• 2"/3" Roll Holder Set
 (**TX-3100:** RH2-34, **TX-4100:** RH2-46)
• PosterArtist
User-Replaceable Items
• Ink Tank (PFI-110/PFI-310/PFI-710)
• Print Head (PF-06)
• Maintenance Cartridge (MC-30)
• Cutter Blade (CT-07)

What's In The Box
Printer, TX Stacker or Multipositional Catch Basket, Stand, 2"/3" Core Media Spool (Adapters Included), Power Cord, Tools and Screws, Print Head, Maintenance Cartridge (Installed), 5 Ink Tanks (MBK/C/M/Y/BK), Ethernet Card (built-in), USB 2.0 High-speed Interface, USB Connection Sheet, iWR Service Terms Leaflet, User Manual, Quick Setup Guide, User Software CD for Windows (Printer Driver Utilities), PosterArtist Lite CD, User Registration Card, Warranty Statement

* Line accuracy repeatability is guaranteed after a user performs necessary adjustment and under the same environmental conditions. Applies to media for line drawing (Plain Paper, Coated Paper, CAD Translucent Matte Film, and CAD Tracing Paper) only.

** Theoretical value based on data resolution.

† The maximum printable length varies, depending on the application, OS, and RIP used.

▪ Wireless printing requires a working network with wireless 802.11b/g or 802.11n capability. Wireless performance may vary based on terrain and distance between the printer and wireless network clients.

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