Canon
Delighting You Always

plotWAVE T50/T55 Printer with
Scanner Express IV Scanning Unit

YEARS AHEAD

EASY SECURE AND INTELLIGENT

LARGE FORMAT TECHNICAL DOCUMENT MANAGEMENT SYSTEM

Radiant Fusing Technology –
Virtually No Warm-Up Time
(Instant Ready)

Inbuilt Security Features -
Data Encryption, Secure Boot
and Access Management

Perfect For Monochrome
CAD/GIS Print, Copy, Scan
and Online Folding (Optional)

Faster POWERsync Controller
with OS - Microsoft Windows 10
LTSC IoT Enterprise

2 Rolls Default Configuration,
Upgradable Up to 4 Rolls and
1 Cut Sheet Tray

Perfect Ergonomic and Compact
Single Footprint Design with
Integrated Scanner

PRODUCTIVE EASE OF USE FOR THE YEARS AHEAD
plotWAVE T50/55

plotWAVE T50/T55

SMARTshield · Radiant Fusing · POWERsync · Image Logic · ClearConnect

Easy, Secure and Intelligent

For complex wide format print jobs, it is important that your printer produces impressive results every time. The plotWAVE Series makes printing easy with its intuitive user interface. Intelligent automation utilizes the power under the hood and tunes it to high performance. Top-notch security features safeguard your data, not only today, but also in the future. With its small footprint, ergonomic construction and clean, closed toner system, the plotWAVE Series is an excellent companion in busy office environments.

Complex Jobs and Document Sets Made Easy

With ClearConnect, even the most complex jobs and document sets become easy to print. Drag and drop files for great results. Accurate, live print previews enable users to check the effect of their print settings immediately. This gives peace of mind and avoids costly, time-wasting misprints. Standardize your workflow and efficiently repeat jobs with easy-to-create specialized media and scan templates. Optional online folding solutions allow users to choose their preferred folding method in printer drivers, applications, or web submission tools, just press print, and shortly pick up automatically folded technical documents.

True "Green Button" Printing

The highly productive plotWAVE T-series is designed to help users to save time and speed up the design process. Even for first-time users, the intuitive interface reduces the learning curve to an absolute minimum and helps prevent misprints or delays. Just push the green button! Operation is intuitive—even at first glance—and is built on easy-to-use drag-and-drop principles. You can submit files directly from your web browser and print directly from your compatible applications with an intuitive set of drivers.

Print From Anywhere? Easy!

Printing from many locations and sources is supported by the plotWAVE Series. With Publisher Mobile, you can preview and print files from your mobile phone or tablet. With Publisher Express, you can submit print files directly from the web. With Driver Select, the wide format printer driver for Windows reduces errors and gives you first-time-right results with its clear and easy-to-use functionalities. With Driver Express, you can print PostScript files from Mac and Windows.

SECURITY FEATURES FOR THE YEARS AHEAD
plotWAVE T50/55

Designed with IT Security Features in Mind

Your confidential and restricted files can be shielded from unwelcome eyes with many layers of security measures, such as domain credentials, LDAP user authentication, and password-protected print files. You can set a job-specific password or code to help protect print files with sensitive information. This can help prevent accidental printing by unauthorized users, so prints don't end up in the wrong hands or the paper bin. The pre-installed network print and management software adds optional additional IT security features, with options such as access card user authentication.

Security Features help Protect Your Data

Your data is protected in all phases of the print process. When the data is in transit, it is protected by secured, encrypted protocols. When at rest, your data is securely encrypted.

Since a printer is generally not used as a long-term data storage solution, deletion is made secure by data shredding and proper deleting protocols. There is also the option to remove the hard disk when the printer is decommissioned. Robust user authentication provides document security for users and activity control for budget managers. Hack prevention guards against malicious intrusion. All these security measures have been built for the long term: with software support, security updates and remote service.

Sustainable Environment

The plotWAVE series is a good office companion. With its low ozone emissions, low noise levels and low heat emission, it is perfect to place in office environments. The toner system is completely closed, so no unhealthy fumes can be inhaled.

Secure Your Productivity, Now and in the Future

The plotWAVE Series is built to withstand intensive use and safeguard your productivity, not just today, but for a long time into the future. The POWERsync Controller is based on the latest Windows 10 IoT OS, for long-term support.

INTELLIGENT AUTOMATION FOR THE YEARS AHEAD
plotWAVE T50/55

PRISMA
Tech Suite

Powerful, Intelligent Automation Features

Great way to be productive is to auto mate things. Radiant Fusing adjusts the temperature of the system to suit the media, helping to limit bad print results. Pico Printing automatically includes extra dots for impressive print quality. The powerful POWERsync+ controller is designed to help save you time by allowing scanning or copying while you're printing. The smart media handling features, such as media width detection, automatic remaining media detection, and automated roll switching, help you produce many impressive prints with minimal intervention and misprints. Regardless of whether the output consists of fan folded long plots or cross folded maps, all documents are folded automatically and productively without slowing down the print process. To further improve the ease of document archival, Optional Profesional folders offer the possibility to attach tabs / reinforcement strips to folded packages.

Neat Document Delivery

The plotWAVE Series saves time with its neat document delivery options. Depending on your needs, you can easily collect your prints from the top delivery tray. The top delivery tray is positioned at an ergonomic height, and plots are neatly collated and stacked in the tray.

Consistent and Highly Productive

With virtually no warm-up time, the plotWAVE Series saves time and cuts energy costs. From sleep mode to print in hand in just 40 seconds. In addition, it reaches print speeds of up to 10 A1 or D-size prints per minute, unattended. With up to 4-roll and cutsheets tray media capacity, it provides the application range to print a variety of jobs in-house. This includes FSC paper, recycled paper and many other media types. The sheet feeding can be done manually one by one.

* Folder 3011
• Integrated compact automated full-fold folder. • Folding speed: 1–12 m/min • Folder dimensions (WxDxH): 1780 x 860 x 1037-1253 mm • Delivery capacity: 80 A0/E size folded packages (80 g/m^2)

Folder 6011 and 6013
• Integrated productive full-fold folder with automated, manual folding and unfold output.
• Folding speed: 2.5-10 m/min (29 m/min with optional High Speed License) • Folder dimensions (WxDxH): 1837 x 1634 x 1227 mm (6011) • 2157 x 1634 x 1227 mm (6013) • Delivery capacity: 150 A0/E size folded packages (80 g/m^2) • Reinforcement (tab unit): Folder Professional 6013 only

STREAMLINED WORKFLOW FOR THE YEARS AHEAD

We're not only one of the market leaders in high- performance printers, we're also a well-known developer of controllers and workflow software that gives architects, designers, and engineers the tools they need to do the job.

USER AT THE HEART OF THE WORKFLOW

POWERsync⁺
Produce high-quality output with high productivity using our intuitive, easy-to-use interface.

IT Security Features
Help protect your valuable information in all phases of the print process.

ClearConnect User Panel
Print, copy, and scan with the multi-touch user panel, just as easy as using a tablet.

Publisher Express
Submit your print jobs conveniently via the web, independent of your web browser.

Publisher Mobile
Submit print jobs via your mobile phone app on iOS and Android phones.

Printer Drivers
panel, just as easy as using a tablet. application with our easy-to-use printer drivers.

PRISMA Tech Suite
Create breathtaking applications while staying in control of your printer with powerful workflow solutions that are designed to help you with your day-to-day print operations.

PRISMAproduce Tech
Compose, manage, and submit complex sets of documents from your web browser to one or more printers at a time.[3]

PRISMAlytics Dashboard
Get comprehensive overviews to help monitor and maximize the production of your print operations with this secure cloud-based management information tool.[4]

PRISMAlytics Accounting
Capture data for cost charging and usage monitoring with this cloud-based reporting tool.[4]

TECHNOLOGY

Imaging Technology	Electrophotography (LED) with Organic Photoconductor (OPC), Clean Toner Refill System, Virtually No Ozone Emission
Fusing Technology	Radiant Fusing Technology with instant warm-up, contactless fusing, low power consumption (heating on demand)
Automated Functions	• Automated print language recognition • Automated media saving function • Auto media selection • Automated media saving function • Pico Printing, intelligent print optimization • Automated media saving function
Toner	Black toner (2x500g) per toner kit

STANDARD SYSTEM CONFIGURATION

2 Roll Printing System	Productive wide format monochrome printer with ClearConnect multi-touch user panel
Stacking Systems	Integrated Top Delivery Tray, up to 100 sheets capacity
Multi-touch User Interface	ClearConnect multi-touch user interface: Smart Inbox, SmartAccess, Printer Status and Live Preview
Roll Media Switching	Fully automated roll media switch to guide the media to the top delivery tray or back output depending on the user application
Earthquake Provision	Secure the printer from moving or tilting during an earthquake. This provision enables the user to secure the printer to a sturdy element of the building (excluding cable/chain and mounting material)
Workflow Software	ClearConnect Print Software Suite: Printer Driver Select for Microsoft Windows, Driver Express for Adobe PostScript 3, Publisher Select 3 for Microsoft Windows, Publisher Express for Web Browsers, Publisher Mobile for IOS and Android

OPTIONAL SYSTEM CONFIGURATION

Roll Media Capacity	Additional 2nd drawer to increase media capacity from 2 to 4 media rolls
Cutsheet Tray	Capacity: 250 pages A/A4 size-C/A2-size
Removable Hard Disk	For secure environments, hard disk can be removed from the printer system to secure data integrity
Folding Systems	Folder Professional, productive full-fold folder with 225 A1 folded packages delivery capacity. Folder Express, compact full-fold folder with 120 A1 folded packages delivery capacity

PRODUCTIVITY

Speed (Print and Copy)	**plotWAVE T50:** 8 D/A1-sizes per minute, 4 E/A0 sizes per minute **plotWAVE T55:** 10 D/A1-sizes per minute, 5 E/A0 sizes per minute - D size (34 x 22 in) / A1 size (841 x 594 mm), E size (44 x 34 in) /A0 size (1189 x 841 mm)
First Print Out Time	<40 seconds (A1 landscape print made from the smart inbox, on 64 g/m² media, back output, lines and text mode)

QUALITY

Print Resolution	600 x 1 200 dpi
Minimum Line Width (ISO/IEC 13660:2001E)	0.06 mm

SIZE AND WEIGHT

Main Engine Size (WxDxH)	Compact design: 1560 x 803 x 1505 mm; (including Top Delivery Tray and User interface in max pos)
Main Engine Weight	234 kg (Standard Configuration)

MEDIA HANDLING

Media Capacity	2 or 4 rolls, cutsheet tray
Media Cutting	Automatic cutter included in the drawers for fast and easy roll media switching
Media Roll Size	A4, A3, A2, A1, A0, B1, B2, B1_700, B2_700, B, C, D, E, B+, C+, D+, E+, E1, 880 mm, 860 mm, 800 mm, 700 mm, 660 mm, 620 mm, 460 mm, 500 mm, 440 mm, 430 mm, 310 mm, 297 mm
Media Size Cut Sheet	A3, A2, A1, A0, B1, B2, B1_700, B2_700, B, C, D, E, B+, C+, D+, E+, E1, 880 mm, 860 mm, 800 mm, 700 mm, 660 mm, 620 mm, 460 mm, 500 mm, 440 mm, 430 mm, 310 mm, 297 mm
Media Weight	60-110 g/m²
Roll Length and Width	Length: Up to 200m, Width: 297-914 mm
Roll Core Diameter	76.2 mm (3 in) cores
Minimum Printed Length	420 mm
Roll Media Type	Plain Paper, Transparent, Translucent, Recycled Paper, Engineering Bond, Engineering Vellum, Colored Paper, Top Label Paper FSC, Red Label Paper PEFC, Black Label Paper PEFc, Green Label FSC, Polyester Film, Polyester Film Antistatic, Contrast Film, Clear Polyester Film, White Opaque Polyester Film, and Orika LPEX Rice Paper
Automatic Roll Media Handling	• Automatic width detection • Automatic roll media selection for optimized productivity and media saving • Automatic roll switching when end of roll is reached

CONTROLLER

Description	High performance POWERsync+ controller with Windows 10 IoT Enterprise LTSC 2021, 64 bits
Processor	6 Core, 6 Thread, Core i5-8500 @4.10GHz
Memory	2x8 GB DDR4
Video	Intel UHD Graphics 630, 1,1GHz
Hard disk	2x 500 GB, 7200 rpm (standard)
TPM	TPM 2.0
Interface	2x Ethernet 100 Mbits/s, 1 Gbit/s, TCP/IP: DHCP, IPv4, IPv6, HTTPS Discovery: APIPA, WS-Discovery, SNMP WAVE interface
Page Description Language	TIFF, JPEG, HPGL, HPGL2, DWF, C4, Calcomp 906/907/951, CALS, NIRS/NIFF
Printing Protocol	• LPR, FTP, WebDav • FTP • Pull from SMB, FTP • Pull from cloud (retrieve from ARC Collaborate, WebDAV based clouds) • HTTP/HTTPS (used by Publisher Express and PRISMAproduce Tech) • Print from home folder (via access management license)
Back Channel Protocol	HTTP or HTTPS

USER INTERFACE	
Description	ClearConnect multi-touch user panel
Size (WxDxH)	300 x 220 x 40 mm; 11.8 x 8.7 x 1.6 in (10.4 in at 4x3 ratio)
Technology & Resolution	Projective capacitive touch, 800 x 600 Pixels (SVGA)
Operation	3 hard buttons: [Wake-up], [Stop, interrupt, abort], [Home] Multi-touch functions: tap, double tap, pinch, 2 finger pinch, swipe, flick and spread
Features	View optimisation: Tilt (-4 to +45 degrees) and turn (-45 to +180 degrees) Status light (red, orange, green) USB 2.0 interface with indication light. Switch instantly between 2 languages, select from 19 languages; Czech, Danish, German, English, Spanish, Finnish, French, Hungarian, Italian, Japanese, Korean, Dutch, Norwegian, Polish, Portuguese, Russian, Swedish, Chinese simplified, Chinese-traditional

SECURITY	
Security Features	E-shredding, IPSec, IP filtering/Access Control Lists, HTTPS, SNMPv3, Audit Logging, AES256 Disk Encryption, 802.1x Authentication, Network Protocol Enable/Disable, LDAP Integration, Active Directory Integration, User Authentication on Local ClearConnect User Panel and via Express WebTools (LDAP/Active Directory Credentials, Smart Card) for scan/copy/print. Configure HTTPS Certificates. Allow disabling TLS1.0 and 1.1 protocols (no response to network scan) and enable TLS 1.2 with stronger cipher. Embedded FIPS 140-2 Certified Trusted Platform Module (TPM) and BitLocker 256 AES Hard Disk encryption, Hard Disk Wipe, Configurable CA Certificate, Disable Network Ports and Protocols, Security Event Logging, Single Sign-on. Options: Removable Hard Disk, McAfee Antivirus, McAfee Application Control (whitelisting).
Access Management	Help provide secure access to device by users keying in password on the ClearConnect multitouch operator panel or get access with a Smart Card by connecting a card reader (including contactless). Authorisation is managed by using Active Directory.
Cloud Support	Unlimited user and/or administrator authenticates cloud support via WebDAV and/or third-party provider: e.g. Microsoft SharePoint, Dropbox, Box.com, box.net, Google Drive, Microsoft OneDrive and Amazon Cloud Drive. The cloud user authentication can either be preconfigured by the administrator or user at the time of accessing the specific cloud

SCANNER EXPRESS IV	
Description	Integrated Contact Image Sensor (CIS) Colour scanner with Image Logic technology
Scan Resolution	600 x 600 dpi
Scan Formats	TIFF, PDF, PDF/A, JPEG, CALS, multi-page PDF, multi-page PDF/A and multi-page TIFF
Scan Templates	Extensive number of scan templates to standardise common scan settings and destinations
Scan Protocol	FTP, SMB, scan to cloud (push to WebDAV based clouds)
Scan Destination	Local USB flash drive, FTP, SMB, Smart Inbox on Controller, Optional Local Home folder (LDAP), mobile device via WebTools Mobile, WebDAV Clouds
Original Width and Length	208mm - 965mm; 8.2in - 38in, automatic width detection, 208mm - 16000mm; 8.2in - 630in, automatic length detection
Effective Scan Width	932 mm
Original Thickness	Maximum 0.8 mm; 0.03 in (non-rigid documents)
Zoom (Copy)	1:1, Scale to media size, Scale to standard format, Custom: 10 - 1000%
Original Type Presets	Blueprint, Coloured original, Dark original, Folded lines/text, Lines/text standard, Lines/text draft, Photo, Map, Artwork
Scanner size (WxDx H) and Weight	1097 x 308 x 140mm; 43 x 12 x 5.5in, 25 kg; 55 lbs

ENVIRONMENTAL	
Sound Power Level	Standby and sleep: 4.2 B(A), Print mode: 7.0 B(A)
Sound Pressure Level	Standby and sleep: 24 dB, Print mode: 58 dB
Ozone Concentration	2.0 mg/h <0.005 mg/m³
Heat Emission	Ready: 71W; Active: 1.6 kW
Power Requirements	100 - 240 V; 50/60Hz
Power Consumption	Sleep mode: <2 W, Ready mode: 84 W, Active mode: 1786 W
Safety/EMC marks & Environmental Labels	CE, TüV GS, cetecom advanced, c-UL-US, CB, RCM, ENERGY STAR 3.0, FEMP, EPEAT, CCC, EAC, FCC Class A, VCCI Class A, RoHS
Recyclables	Printer: made of steel or highly recyclable plastics: up to 95% of the engine can either be up cycled or recycled. Remaining 5% are non toxic waste. Prints: Deinkability certificate, Toner: Toner bottles made from on average 50% recycled HDPE (High Density Polyethylene)

CLEARCONNECT WORKFLOW SOFTWARE	
Job Submission	ClearConnect print workflow software enables you to print in one go and efficiently create and submit print jobs safely from a variety of devices and sources. The ClearConnect Software Suite consists of a variety of applications with the same user interface. Create, retrieve and/or send jobs from: • The Drivers (Driver Select for Microsoft Windows); easy-to-use printer drivers that allow you to effectively and efficiently print from any application. • Publisher Select - Easily create, manage and submit complex sets of documents from your desktop – to one, or two printers at a time • Publisher Mobile - Submit print jobs via your mobile phone app supporting iOS and Android • Publisher Express - Easily submit your print jobs via the web independent of your web browser • ClearConnect User Panel - Print, Copy or Scan is as easy as a tablet with the multi-touch user panel. Pull up a document from your Smart Inbox, USB device or external locations. Zoom and pan to different areas - even preview live while scanning or copying to avoid errors.
Smart Inbox	Personalized Smart Inbox with history, manage queue, manage history, WebTools Express, secured controller access
Queue Management	Spool memory provides a queuing system for print and copy jobs. This enables multiple users to send print and copy jobs at the same time.
Mobile and Cloud	Print from and scan to the cloud application of your choice. With the help of mobile applications such as Publisher Mobile, the printer can be easily accessed and used from any location
Device Management	WebTools Express provides administrators the tools to manage the device remotely via the web: e.g. check printer status, define default settings for print, copy and scan, define access, security, accounting, remote shutdown, software update and restart, power on/off timer, system behavior, queue management, license management, view, create, edit and delete stamp templates, etc.