

# PlotWave 5000/5500 Printer with Scanner Express IV Scanning Unit

# 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

# EASY

## PlotWave 5000/5500



PlotWave 5000



PlotWave 5500



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.

### ClearConnect Software Suite: Complex Jobs 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.



### Easy, Smooth Operation and Workflows

The PlotWave Series is easy to use at first glance - thanks to its embedded intelligence and exceptional simplicity. Access and print your latest revisions from your home folder, cloud or local network or use the intuitive copying and scanning features available on the user interface. The PlotWave Series enables users to print only the files in their own inbox, essential for project group environments. With virtually no warm-up time, users can quickly print and collect their own confidential designs.

### 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.



# SECURE

## PlotWave 5000/5500



### Secure on All Levels

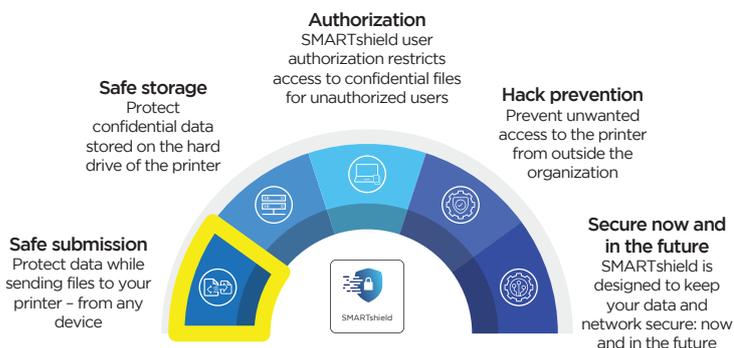
Security is critical in the modern office environment. Your data, your working environment and your results are in safe hands with the PlotWave Series.



### SMARTshield Protects 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.



### Safeguard Your Professional Results

The PlotWave Series has been designed for first-time-right printing. It helps you to avoid costly misprints and save time, paper and toner. Radiant Fusing Technology prevents print resolution loss, dot size degradation and line fuzziness as the toner melts exactly where it is placed on the media. Achieve professional results with the integrated Scanner Express: Image Logic boosts readable details in the scanned file by reducing creases and paper folds in the scanned original. Boost scanning performance even further with the standalone high-volume Scanner Professional.

### 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.

The user interface is rotatable for ergonomic comfort. In addition, the PlotWave Series is environmentally friendly. The Radiant Fusing Technology ensures low power consumption.

With the PlotWave Series, you can print on uncoated or recycled media and it even allows for de-inking prints before recycling. The printer can be re-manufactured and reused by Canon, thereby promoting a circular economy.

### 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

## PlotWave 5000/5500



### Smart Functionalities that Optimize Your Process

The PlotWave Series has intelligent automation that makes life easier in many ways. With automatic roll width detection and easy paper feeding, media loading couldn't be easier. Automatic roll switching quickly changes between media rolls and positions the image in the correct place.

Pico Printing automatically includes extra dots for impressive image quality. Radiant Fusing optimally adjusts the temperature of the system to suit the media. Radiant Fusing Technology transports the paper with its toner deposit through the fusing unit, emitting the optimum amount of heat in the shortest time possible.

No need to prioritize functionalities. Printing a complex job? Scan or copy documents at the same time. POWERSync enables concurrent operations without sacrificing productivity or quality.

### Neat Document Delivery

The PlotWave Series saves time with its neat document delivery options. Depending on your needs, you can easily collect your prints either 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. The Folder Express 3011\* saves office and desk space - thanks to its compact design and accurate, tightly folded prints. The Folder Professional 6011# and 6013# offer diverse folding options, including offline folding and reinforcement.

### 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, or up to 600 A1 sheets per hour, unattended. With up to 4-roll 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.

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#### \* 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<sup>2</sup>)

#### # 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<sup>2</sup>) • Reinforcement (tab unit): Folder Professional 6013 only



## 1 FAST AND EASY WITH CLEARCONNECT PANEL

- Touchscreen with multitouch gestures for tablet/smartphone-like interaction
- Easily control printer and scanner/copier with your fingertips using the simple screen movements
- Swipe, spread, and zoom in on details of a drawing
- Live Preview function to confirm documents are correctly scanned to help avoid errors

## 2 NEAT DOCUMENT DELIVERY

- Integrated Top Delivery Tray neatly stacks and collates up to 100 E-size/A0 plots
- Air Separation Technology helps prevent large documents from cascading onto the floor like conventional top stackers

## 3 GET BETTER COPY AND COLOR SCANNING RESULTS

- Image Logic Technology automatically compensates for heavily folded/wrinkled and dark background originals to produce superior results
- Originals are inserted face-up and width of original is detected automatically
- Create 1-touch Scan Templates to capture commonly used settings or to require standardized departmental scan settings

## 4 INSTANT PRODUCTIVITY WITH RADIANT FUSING TECHNOLOGY

- Get instant startup and use half the energy of comparable systems
- Fast first printout from cold sleep to print-in-hand in less than 40 seconds
- Helps increase productivity even more with the second media drawer option (4 rolls total) for multiple width rolls or longer unattended printing

## 5 EFFORTLESS ROLL CHANGING

- Up to 800m roll length for maximum efficiency
- Built-in roll loading station in each drawer
- Media is auto-fed into the printer and roll width is auto-detected, then displayed on the ClearConnect touchscreen display

## 6 RELIABLE QUALITY AND PERFORMANCE

- Take advantage of superb print quality with high-resolution Pico Printing at 600 x 1200 dpi
- Award-winning industrial design with robust and durable materials
- Extensively used areas of the printer are fabricated out of metal for commercial duty

## 7 ECO-FRIENDLY SYSTEM

- This system has the low sound levels and heat compared to conventional fusing systems which operate on heat and pressure rollers and fans
- Can be located and operated within workgroup environments
- Closed toner system is easy to refill with no clumsy toner cartridges to unscrew or spill; toner can be added while printing

## 8 POWERSYNC CONTROLLER PRODUCTIVE AND SECURE

- Get the power to handle large and complex technical documents - thanks to the productive POWERSync controller
- Concurrency; scan and copy while printing.
- Help protect confidential information with the latest security and protection features supported by Microsoft Windows 10 LTSC IoT Enterprise
- The open interface of the POWERSync Controller also enables the printer to embed software such as uniFLOW

## 9 FLEXIBLE WORKFLOW

- This system is designed to make it easier to prepare, produce and manage complex technical documents and sets of drawings
- Advanced tools make it easy to get documents where you need them, when you need them

<b>TECHNOLOGY</b>	
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	<ul style="list-style-type: none"> <li>Automated print language recognition</li> <li>Automated media saving function</li> <li>Auto media selection</li> <li>Automated media saving function</li> <li>Pico Printing, intelligent print optimization</li> <li>Automated media saving function</li> </ul>
Toner	Black toner
<b>STANDARD SYSTEM CONFIGURATION</b>	
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
<b>OPTIONAL SYSTEM CONFIGURATION</b>	
Roll Media Capacity	Additional 2 <sup>nd</sup> 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
<b>PRODUCTIVITY</b>	
Speed (Print and Copy)	<b>PlotWave 5000:</b> 8 D/A1-sizes per minute, 4 E/A0 sizes per minute <b>PlotWave 5500:</b> 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 (1189x 841mm)
First Print Out Time	<40 seconds (A1 landscape print made from the smart inbox, on 64 g/m <sup>2</sup> media, back output, lines and text mode)
<b>QUALITY</b>	
Print Resolution	600 x 1200 dpi
Minimum Line Width (ISO/IEC 13660:2001E)	0.06 mm
<b>SIZE AND WEIGHT</b>	
Main Engine Size (WxDxH)	Compact design: 1563 x 803 x 1495 mm (including Top Delivery Tray)
Main Engine Weight	234kg (Standard Configuration)
<b>MEDIA HANDLING</b>	
Media Capacity	2 or 4 rolls, cutsheet tray (A4 -A2 size printing can be done from cut sheet tray)
Media Cutting	Automatic cutter included in the drawers for fast and easy roll media switching
Media Roll Size	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/m <sup>2</sup>
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	<ul style="list-style-type: none"> <li>Automatic width detection</li> <li>Automatic roll media selection for optimized productivity and media saving</li> <li>Automatic roll switching when end of roll is reached</li> </ul>
<b>CONTROLLER</b>	
Description	High Performance POWERsync Controller with Windows 10 IoT LTSC, 64 bits
Processor	Dual Core, Dual Thread Celeron G4900 @3.10Ghz
Memory	4 GB DDR4
Video	Intel HD Graphics, 1GHz
Hard Disk	500 GB, 7200 rpm (standard)
TPM	TPM2.0
Client Operating System Support	<ul style="list-style-type: none"> <li>Driver Select; Windows 8, Windows 8 64 bits, Windows 8.1, Windows 8.1 64 bits, Windows 10, Windows 10 64 bits, Windows Server 2012 64 bits, Windows Server 2012 R2 64 bits, Windows Server 2016 64 bits, Windows Server 2019 64 bits; Citrix XenApp 7.15, Citrix Virtual Apps 7 1811.1, Microfocus Enterprise Server OES 2018</li> <li>Driver Express; Windows 8, Windows 8 64 bits, Windows 8.1, Windows 8.1 64 bits, Windows 10, Windows 10 64 bits, Windows Server 2012 64 bits, Windows Server 2012 R2 64 bits, Windows Server 2016 64 bits, Windows Server 2019 64 bits; MacOS 10.13/10.14/10.15</li> <li>Publisher Select; Driver Select; Windows 8, Windows 8 64 bits, Windows 8.1, Windows 8.1 64 bits, Windows 10, Windows 10 64 bits</li> <li>Publisher Mobile; Android &amp; iOS</li> </ul>
Interface	2x Ethernet 100 Mbps/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, PS/PDF (optional)
Printing Protocol	LPR, FTP, WebDav, WSD Print (FTP, Pull from SMB, FTP, Pull from Cloud (retrieve from ARC Collaborate, WebDAV based Clouds) HTTP/HTTPS (used by Publisher Express)
Backchannel Protocol	SNMP v3, Wave interface, WS-Discovery

USER INTERFACE	
Description	ClearConnect multi-touch user panel
Size (WxDxH)	300 x 220 x 40 mm
Technology & Resolution	Projective capacitive touch, 800 x 600 Pixels (SVGA)
Operation	3 hard buttons: [Wake-up], [Stop, interrupt, abort], [Home] Multi-touch functions: tab, double tap, pinch, 2 finger pinch, swipe, flick and spread
Features	View optimization: Tilt (-4 to +45 degrees) and turn (-45 to +180 degrees), status light (red, orange, green)
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). Authorization 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) Color 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 standardize 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 Publisher Express, WebDAV Clouds
Original Width and Length	Width: 208-965 mm (automatic width detection), Length: 208-16000 mm (automatic length detection)
Effective Scan Width	932 mm
Original Thickness	Maximum 0.8 mm (non-rigid documents)
Zoom (Copy)	1:1, Scale to media size, Scale to standard format, Custom: 10-1000%
Original Type Presets	Blueprint, Colored 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 140 mm, 25 kg
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/m <sup>3</sup>
Heat Emission	Ready: 71W; Active: 1.6 kW
Power Requirements	100-240 V
Power Consumption	Sleep mode: <2 W, Ready mode: 84 W, Active mode: 1786 W
Safety/EMC Marks & Environmental Labels	CE, TÜV GS, CETECOM, c-UL-US, CB, RCM, 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 upcycled or recycled.
CLEARCONNECT WORKFLOW SOFTWARE	
Job Submission	<p>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:</p> <ul style="list-style-type: none"> <li>• The Drivers (Driver Select for Microsoft Windows); easy-to-use printer drivers that allow you to effectively and efficiently print from any application.</li> <li>• Publisher Select - Easily create, manage and submit complex sets of documents from your desktop - to one, or two printers at a time</li> <li>• Publisher Mobile - Submit print jobs via your mobile phone app supporting iOS and Android</li> <li>• Publisher Express - Easily submit your print jobs via the web independent of your web browser</li> <li>• ClearConnect User Panel - Print, Copy or Scan is as easy as using 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.</li> </ul>
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.

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Canon India Complies with E-Waste (Management) Rules, 2016

Please return end-of-life product for environmentally safe disposal. For details, visit <https://in.canon>

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