

# EASY SECURE AND INTELLIGENT

Walk-up monochrome large  
format printing



## Easy

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.

## Secure

Security is critical in the modern office environment. SMARTshield protects your data in all phases of the print process, now and in the future. When data is in transit, it is protected by secure, encrypted protocols. When at rest, your data is securely encrypted.

## Intelligent

The PlotWave series has intelligent automated functions, such as easy media loading, Pico Printing and Radiant Fusing technology that save time and make life easier in many ways.

## PlotWave 3000 series

For environments where anyone may need to print a complex, large format technical document at any time, the PlotWave 3000 series offers excellent quality and robust versatility, without hassle: easy printing, with intelligent automation for impressive results every time.



## PRODUCT RANGE



PlotWave 3000



PlotWave 3500



SMARTshield



Radiant Fusing



POWERSync



Image Logic



ClearConnect

**Canon**

# TECHNICAL SPECIFICATIONS

# PlotWave 3000 series

## STANDARD SYSTEM CONFIGURATION

<b>1 Roll printing system</b>	Productive large format monochrome printer with ClearConnect multi-touch user panel
<b>Stacking systems</b>	Integrated Top Delivery Tray, up to 100 sheets capacity
<b>Multi-touch user interface</b>	ClearConnect multi-touch user interface: Consistent look and feel from every angle of your workflow, standard including Smart Inbox, SmartAccess, printer status and Live Preview
<b>Media switching</b>	Fully automated media switch, to guide the media to the top delivery tray or back output depending on the user application
<b>Workflow software</b>	ClearConnect print software suite: Drivers: Driver Select for Microsoft Windows, Driver Express for Adobe PostScript 3 Publishers: Publisher Select 3 for Microsoft Windows, Publisher Express for web browsers, Publisher Mobile for iOS and Android
<b>Starter kit (included)</b>	1 bottle toner 400 g, 1 bottle developer 1750 g, 1 roll 36 in standard media 75 g/m <sup>2</sup>
<b>Earthquake provision<sup>1</sup></b>	Secure the printer preventing moving or tilting during an earthquake. This provision enables the user to secure the printer to a sturdy connection of the building

## OPTIONAL SYSTEM CONFIGURATIONS

<b>Office space saving scanning system</b>	Scanner Express with Image Logic technology , integrated CIS scanner positioned on top of the printer to save office space
<b>Roll media capacity upgrade</b>	Additional 2nd roll option to increase media capacity (200 to 400 m <sup>1</sup> / 182 to 365 m <sup>2</sup> )
<b>Removable hard disk</b>	For secure environments, hard disk can be removed from the printer system to secure data integrity
<b>Standalone System scanner</b>	Scanner Professional, productive stand alone 48 bit color scanner with 1200x1200 dpi CCD technology
<b>Stacking System</b>	Stacker Select, up to 400 sheets capacity. Increase your delivery capacity up to 500 sheets

## TECHNOLOGY

<b>Imaging technology</b>	Electrophotography (LED) with Organic photoconductor (OPC), Clean toner refill system, Virtually no ozone emission
<b>Fusing technology</b>	Radiant Fusing Technology with instant warm-up, contactless fusing, low power consumption (heating on demand)
<b>Automated functions</b>	<ul style="list-style-type: none"> <li>Automated print language recognition</li> <li>Auto media selection</li> <li>Automated media saving function</li> <li>Pico Printing, intelligent print optimization</li> </ul>
<b>Toner</b>	Black toner: 2x400 gram per toner kit

## PRODUCTIVITY

<b>Speed (print and copy)</b>	<b>PlotWave 3000:</b> 4 D/A1-sizes <sup>2</sup> per minute 2 E/A0 sizes <sup>2</sup> per minute <b>PlotWave 3500:</b> 6 D/A1-sizes <sup>2</sup> per minute 3 E/A0 sizes <sup>2</sup> per minute
<b>First print out time<sup>4</sup></b>	<40 seconds
<b>First copy out time<sup>5</sup></b>	<40 seconds

## QUALITY

<b>Print Resolution</b>	600 x 1200 dpi
<b>Minimum line width (ISO/IEC 13660:2001E)</b>	0.06 mm; 0.00236 in
<b>1:1 Line accuracy</b>	< 0.3%

## SIZE AND WEIGHT

<b>Size main engine (WxDxH)</b>	Compact design: 1563 x 803 x 1503 mm; (including Top Delivery Tray)
<b>Shipping dimensions (WxDxH)</b>	1470 x 850 x 1280 mm
<b>Weight main engine</b>	220 kg (standard configuration)
<b>Shipping weight main engine</b>	294kg (standard configuration)

## MEDIA HANDLING

<b>Media capacity</b>	1 or 2 rolls; manual feed of cut sheet media;
<b>Media cutting</b>	Automatic cutter included in the drawers for fast and easy roll media switching
<b>Maximum media capacity</b>	1 roll: 200 m <sup>1</sup> , 183 m <sup>2</sup> ; 2 roll: 400 m <sup>1</sup> , 365 m <sup>2</sup>
<b>Media sizes roll</b>	A3, A2, A1, A0, B1, B2, B1_700, B2_700, B, C, D, E, B+, C+, D+, E+, E1, 30 in, 21 in, 15 in, 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 sizes cut sheet

A3, A2, A1, A0, B1, B2, B1\_700, B2\_700, B, C, D, E, B+, C+, D+, E+, E1, 30 in, 21 in, 15 in, 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>; 16 - 29 lb

## Roll length

Up to 200 m

## Roll width

297 - 914 mm; 11 - 36 in

## Roll core diameter

3 in cores. Media loose on core

## Minimum printed length

420 mm; 16,5 in

## Maximum printed length

200 m; 656 ft

## Media type

Plain paper, Transparencies, Translucent, Recycled paper, Engineering Bond, Engineering Vellum, Coloured paper, Top Label Paper FSC, Red Label Paper PEFC, Black Label Paper PEFC, Green Label FSC, RecycledWhiteZero FSC, Transparent Paper, Transparent Paper FSC, Polyester film, Polyester film antistatic, Contrast Film, Clear Polyester Film, Double Matte Polyester Film, White Opaque Polyester Film, Translucent Engineering Bond, Recycled Engineering Bond, Colour Top, Recycled paper, Plain Paper recycled, Transparent, and Orika LPEX rice paper

## Automatic roll media handling

- Automatic width detection
- Automatic roll media selection for optimised productivity and media saving, based on drawing size, media type, roll width and finishing
- Automatic roll switching when end of roll is reached

## USER INTERFACE

<b>Description</b>	ClearConnect multi-touch user panel
<b>Size (WxHxD)</b>	300 x 220 x 40 mm; 11.8 x 8.7 x 1.6 in (10.4 in at 4x3 ratio)
<b>Resolution</b>	800 x 600 pixels (SVGA)
<b>Number of colours</b>	16.2 Million
<b>Technology</b>	Projective capacitive touch
<b>Operation</b>	3 hard buttons: [Wake-up], [Stop, interrupt, abort], [Home] Multi-touch functions: tab, double tap, pinch, 2 finger pinch, swipe, flick and spread
<b>Interface design</b>	Distinctive user interface with intuitive navigation and clearly defined levels of operation
<b>Features</b>	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 20 languages: Czech, Danish, German, English-UK, English-US, Spanish, Finnish, French, Hungarian, Italian, Japanese, Korean, Dutch, Norwegian, Polish, Portuguese, Russian, Swedish, Chinese simplified, Chinese-traditional

## CONTROLLER

<b>Description</b>	High performance POWERsync controller with Windows 10 IoT LTSC, 64 bits
<b>Processor</b>	Dual Core, Dual Thread Celeron G4900 @3.10Ghz
<b>Memory</b>	4 GB DDR4
<b>Video</b>	Intel HD Graphics, 1GHz
<b>Hard Disk</b>	500 GB, 7200 rpm (standard)
<b>TPM</b>	TPM 2.0
<b>Client operating system support</b>	<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 QES 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 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, 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)
  - Print from home folder (via optional access management license)

## Transformations

Scaling (scale-to-fit page, reduce when image too large to avoid clipping or to custom factor, scale page size to standard size), Rotation, Shift (automatic or user defined), Adding/removing trailing/leading edge, Mirror, Black intensity in poster mode, Print optimisation (standard, lines/text, poster), Colour Highlight and Dark Original. Area to erase (area of interest)<sup>6</sup>

# TECHNICAL SPECIFICATIONS

# PlotWave 3000 series

<b>Cloud support</b>	Unlimited user and/or Administrator authenticated cloud support via WebDAV and/or third party provider: e.g. Microsoft SharePoint, Dropbox, Box.com, box.net, Google Drive, Microsoft OneDrive, Amazon Cloud Drive, Cloudsafe, MyDisk. The cloud user authentication can either be preconfigured by the administrator or done by the user at the time of accessing the specific cloud	<b>CLEARCONNECT WORKFLOW SOFTWARE</b>	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 that all have the same user interface. Create, retrieve and/or send jobs from: <ul style="list-style-type: none"> <li>• The Drivers (Driver Select for Microsoft Windows, Driver Express for Adobe PostScript 3 for Microsoft Windows or Apple OS); 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, 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>
<b>SECURITY</b>		<b>Job submission</b>	Personalised Smart Inbox with history, manage queue, manage history, WebTools Express, secured controller access
<b>Embedded security</b>	SMARTshield: E-shredding, IPsec, IP filtering/Access Control Lists, HTTPS, SNMP v3, audit logging, AES256 Disk Encryption, 8021x 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)	<b>Smart inbox</b>	Pool memory provides a queuing system for print and copy jobs. This enables multiple users to send print and copy jobs at the same time. Customise priority settings for copy and print jobs in the queue. The Job Queue overview gives access to job names, owners and status including required media. Jobs can be paused, deleted, and placed on top of the queue
<b>Authentication</b>	Provide secure access to device by users by keying in password on the ClearConnect multi-touch operator panel or get access with a Smart Card by connecting a card reader (including contactless). Authorisation is managed by using Active Directory	<b>Queue management</b>	View the counter history at preferred time periods, per job or total overview in WebTools Express. View, create, edit and delete stamp templates. Optional uniFLOW support, login your personal uniFLOW Queue on the ClearConnect User interface. Supports manual authentication, card readers, and contactless card readers
<b>SCANNER EXPRESS (optional)</b>		<b>Print management &amp; accounting</b>	Scan directly to iPF 600/700/800/TX-2000/3000/4000/5200/5300/5400 series via Publisher Select 3 (hotfolder)
<b>Description</b>	Integrated Contact Image Sensor (CIS) Colour scanner with Image Logic technology	<b>Scan to colour inkjet</b>	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
<b>Scan resolution</b>	600 x 600 dpi	<b>Mobile and cloud</b>	WebTools Express provide 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 behaviour, queue management, license management, view, create, edit and delete stamp templates etc
<b>Scan speed</b>	15.2 m/min Black & white scanning 5.0 m/min Colour scanning	<b>Device management</b>	
<b>Scan formats</b>	TIFF, PDF, PDF/A, JPEG, CALS, multi-page PDF, multi-page PDF/A and multi-page TIFF	<b>PERIPHERALS (optional)</b>	
<b>Scan templates</b>	Extensive number of scan templates to standardise common scan settings and destinations	<b>SCANNER PROFESSIONAL</b>	
<b>Scan protocol</b>	FTP, SMB, scan to cloud (push to WebDAV based clouds)	<b>Description</b>	Charge-coupled device (CCD) colour 44 in scanner with optional upgrade to 48 in
<b>Scan destination</b>	Local USB flash drive, FTP, SMB, Smart Inbox on Controller, Optional Local Home folder (LDAP), mobile device via WebTools Mobile, WebDAV Clouds, PlanWell Collaborate	<b>Scan resolution</b>	1200 x 1200 dpi (9600 x 9600 dpi interpolated)
<b>Scan naming</b>	Preset naming with auto numbering for productive scanning or file name on the ClearConnect user panel	<b>Scan speed</b>	23 m/min (150 dpi) 4.6 m/min (600 dpi)
<b>Original width</b>	208 mm - 965 mm; 8.2 in - 38 in, automatic width detection	<b>Scan formats</b>	Multipage PDF (PDF/A) and TIFF, JPEG, JPEG 2000, PNM, PNG, BMP, TIFF (Raw, G3, G4, LZW, JPEG) AutoCAD DWF, JBIG, DjVu, DICOM, PCX, Postscript, EPS, Raw data
<b>Original length</b>	208 mm - 16000 mm; 8.2 in - 630 in, automatic length detection	<b>Scan templates</b>	Unlimited
<b>Effective scan width</b>	932 mm	<b>Original width</b>	1270 mm; 50 in
<b>Original thickness</b>	Maximum 0.8 mm; 0.03 in (non-rigid documents)	<b>Original length</b>	200 m
<b>Zoom (copy)</b>	1:1, Scale to media size, Scale to standard format, Custom: 10 - 1000%	<b>Colour depth/ colour output</b>	48 bit colour, 16 bit greyscale / 24 bit colour, 8 bit greyscale, bitonal, enhanced halftone
<b>Original types presets</b>	Blueprint, Coloured original, Dark original, Folded lines/text, Lines/text standard, Lines/text draft, Photo, Map, Artwork	<b>Scan width</b>	44 model: 1118 mm; 44 in / 48 model: max. 1220 mm; 48 in
<b>Size scanner (WxDxH)</b>	1097 x 308 x 140 mm; 43 x 12 x 5.5 in	<b>Connections</b>	1 USB Port 3.0 Interface 1 GBit Fast Ethernet with TCP/IP based Interface
<b>Weight scanner</b>	25 kg; 55 lbs	<b>Embedded controller</b>	64 bit Linux, Intel i3, quad core processor, 16 Gigabyte RAM, 320GB HDD for very long scans
<b>ENVIRONMENTAL</b>		<b>Size scanner (HxWxD)</b>	1070 x 1425 x 507 mm; 42 x 56 x 20 in
<b>Sound power level</b>	Standby and sleep: 4.2 B(A) Print mode: 7.0 B(A)	<b>Weight scanner</b>	60 kg / 132 lbs
<b>Sound pressure level</b>	Standby and sleep: 24 dB Print mode: 58 dB	<b>STACKER SELECT</b>	
<b>Ozone concentration</b>	0.42 mg/h <0.001 mg/m <sup>3</sup>	<b>Description</b>	Productive integrated high capacity stacker with air separation and tray full sensor
<b>Heat emission</b>	Ready: 71W; Active: 1.6 kW	<b>Capacity</b>	up to 400 sheets
<b>Power requirements</b>	100 - 240 V; 50/60Hz	<b>Media width</b>	216 mm (8.5 in) - 1067 mm (42 in)
<b>Power consumption</b>	Sleep mode: <2 W Ready mode: 64 W Active mode: 1547 W	<b>Media length</b>	200 mm (7.9 in) - 1220 mm (48 in)
<b>Safety/ EMC marks &amp; environmental labels</b>	CE, TÜV GS, CETECOM, c-UL-US, CB, RCM, ENERGY STAR 3.0, FEMP, EPEAT, CCC, EAC, FCC Class A, VCCI Class A, RoHS	<b>Media weight</b>	60-160 g/m <sup>2</sup>
<b>Recyclables</b>	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: very good drinkability when recycled. Toner: bottles made of highly recyclable HDPE (High Density Polyethylene)	<b>FOOTNOTES:</b>	
		<b>1</b>	Excluding cable/chain and mounting material
		<b>2</b>	D size (34 x 22 in) / A1 size (841 x 594 mm)
		<b>3</b>	E-size (36 x 48 in) / A0 Size (841 x 1189 mm)
		<b>4</b>	Based on current third party support
		<b>5</b>	1 A1 landscape print made from the smart inbox, on 64 g media, back output, lines and text mode
		<b>6</b>	1 copy made with A1 original in landscape on 64 g media, back output, background compensation off, custom width 841 mm, custom length 594 mm

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