

EASY SECURE AND INTELLIGENT

Fully integrated monochrome
wide 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 5000 series

The PlotWave 5000 series offers excellent quality and robust versatility without hassle. With intelligent automation for impressive results every time, the PlotWave 5000 series is designed for easy printing of complex, wide format technical documents where you need them, when you need them.



PRODUCT RANGE



PlotWave 5000



PlotWave 5500



SMARTshield



Radiant Fusing



POWERsync



Image Logic



ClearConnect

Canon

Delighting You Always

TECHNICAL SPECIFICATIONS

PlotWave 5000

STANDARD SYSTEM CONFIGURATION		First print out time⁴	<40 seconds
2 Roll printing system	Productive wide format monochrome printer with ClearConnect multi-touch user panel	First copy out time⁵	<40 seconds
Stacking systems	Integrated Top Delivery Tray, up to 100 sheets capacity	QUALITY	
Multi-touch user interface	ClearConnect multi-touch user interface: Consistent look and feel from every angle of your workflow, includes Smart Inbox, SmartAccess, printer status and Live Preview	Print resolution	600 x 1200 dpi
Media switching	Fully automated media switch, to guide the media to the top delivery tray or back output depending on the user application	Minimum line width (ISO/IEC 13660:2001E)	0.06 mm
Workflow software	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	1:1 Line accuracy	< 0.3%
Earthquake provision¹	Secure the printer from moving or tilting during an earthquake. This provision enables the user to secure the printer to a sturdy connection of the building	SIZE AND WEIGHT	
OPTIONAL SYSTEM CONFIGURATION		Main engine size (WxDxH)	Compact design: 1563 x 803 x 1495 mm (including Top Delivery Tray)
Roll media capacity upgrade	Additional 2nd drawer to increase media capacity from 2 to 4 media rolls	Shipping dimensions (WxDxH)	1470 x 850 x 1280 mm
Cutsheet tray	Capacity: 250 pages A/A4 size-C/A2-size	Main engine weight	234 kg (standard configuration)
Removable hard disk	For secure environments, hard disk can be removed from the printer system to secure data integrity	Main engine shipping weight	294kg (standard configuration)
Office space saving scanning system	Scanner Express with Image Logic technology, integrated CIS scanner positioned on top of the printer to save office space	MEDIA HANDLING	
Standalone scanner system	Scanner Professional, productive stand alone 48 bit color scanner with 1200x1200 dpi CCD technology	Media capacity	2 or 4 rolls, cutsheet tray
Stacking system	Stacker Select, up to 400 sheets capacity. Increase your delivery capacity up to 500 sheets	Media cutting	Automatic cutter included in the drawers for fast and easy roll media switching
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	Maximum media capacity	2 roll: 365 m ² , 4 roll: 730 m ²
TECHNOLOGY		Media roll size	A4, A3, A2, A1, A0, B1, B2, B3, B, C, D, E, B+, C+, D+, E+, E1, 21 in, 15 in, 891 mm, 880 mm, 860 mm, 800 mm, 700 mm, 660 mm, 620 mm, 500 mm, 460 mm, 440 mm, 430 mm, 350 mm, 310 mm
Imaging technology	Electrophotography (LED) with Organic photoconductor (OPC), clean toner refill system, virtually no ozone emission	Media size cut sheet	Short edge feed (portrait): A4,A3, B4, A, B, A+, B+, Carto B4, 230x310 mm, 310x440 mm Long edge feed (landscape): A3, A2, B4, B3, B, C, B+, C+, Carto B4, Carto B3, 310x440 mm, 440x594 mm
Fusing technology	Radiant Fusing Technology with instant warm-up, contactless fusing, low power consumption (heating on demand)	Media weight	60 - 110 g/m ²
Automated functions	<ul style="list-style-type: none"> Automated print language recognition Auto media selection Automated media saving function Pico Printing, intelligent print optimization 	Roll length	Up to 200 m
Toner	Black toner	Roll width	210 - 914 mm
PRODUCTIVITY		Roll core diameter	3 in cores
Speed (print and copy)	PlotWave 5000: 8 D/A1-sizes ² per minute 4 E/AO sizes ³ per minute PlotWave 5500: 10 D/A1-sizes ² per minute 5 E/AO sizes ³ per minute	Minimum printed length	279 mm
		Maximum printed length	200 m
		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
		Cut sheet media type	Plain paper, Recycled paper, and Coloured paper, Films, and Transparent media
		Automatic roll media handling	<ul style="list-style-type: none"> Automatic width detection Automatic roll media selection for optimised productivity and media saving, based on drawing size, media type, roll width and finishing Automatic rotation and alignment for folding Automatic legend detection Automatic roll switching when end of roll is reached

TECHNICAL SPECIFICATIONS

USER INTERFACE

Description	ClearConnect multi-touch user panel
Size (WxHxD)	300 x 220 x 40 mm
Resolution	800 x 600 pixels (SVGA)
Number of colours	16.2 Million
Technology	Projective capacitive touch
Operation	3 hard buttons: [Wake-up], [Stop, interrupt, abort], [Home] Multi-touch functions: tab, double tap, pinch, 2 finger pinch, swipe, flick and spread
Interface design	Distinctive user interface with intuitive navigation and clearly defined levels of operation
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 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

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	TPM 2.0
Client operating system support	<ul style="list-style-type: none"> • 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 • 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 • Publisher Select; Driver Select; Windows 8, Windows 8 64 bits, Windows 8.1, Windows 8.1 64 bits, Windows 10, Windows 10 64 bits • Publisher Mobile; Android & iOS
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 <ul style="list-style-type: none"> • 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 is 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)

Cloud support

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 user at the time of accessing the specific cloud⁴

SECURITY

Embedded security

SMARTshield: E-shredding, IPsec, IP filtering/Access Control Lists, HTTPS, SNMP v3, 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)

Authentication

Provide secure access to device 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

SCANNER EXPRESS (optional)

Description

Integrated Contact Image Sensor (CIS) Colour scanner with Image Logic technology

Scan resolution

600 x 600 dpi

Scan speed

15.2 m/min Black & white scanning
5.0 m/min Colour scanning

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 destinations

Local USB flash drive, FTP, SMB, Smart Inbox on Controller, Optional Local Home folder (LDAP), mobile device via WebTools Mobile, WebDAV Clouds

TECHNICAL SPECIFICATIONS

Scan naming	Preset naming with auto numbering for productive scanning or file name on the ClearConnect user panel
Original width	208 mm - 965 mm, automatic width detection
Original length	208 mm - 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 types presets	Blueprint, Coloured original, Dark original, Folded lines/ text, Lines/text standard, Lines/text draft, Photo, Map, Artwork
Scanner size (WxDxH)	1097 x 308 x 140 mm
Scanner weight	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 ³
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 up cycled or recycled. Remaining 5% are non toxic waste. Prints: very good deinkability when recycled. Toner: bottles made of highly recyclable 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: <ul style="list-style-type: none"> • 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 • 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, 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

PlotWave 5000

Smart inbox	Personalised 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. 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
Print management & accounting	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
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 behaviour, queue management, license management, view, create, edit and delete stamp templates etc
PERIPHERALS (optional) SCANNER PROFESSIONAL	
Description	Charge-coupled device (CCD) colour 44 in scanner with optional upgrade to 48 in
Scan resolution	1200 x 1200 dpi (9600 x 9600 dpi interpolated)
Scan speed	23 m/min (150 dpi) 4.6 m/min (600 dpi)
Scan formats	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
Scan templates	Unlimited
Original width	1270 mm
Original length	200 m
Colour depth / colour output	48 bit colour, 16 bit greyscale / 24 bit colour, 8 bit greyscale, bitonal, enhanced halftone
Scan width	44 model: 1118 mm/ 48 model: max. 1220 mm
Connections	1 USB Port 3.0 Interface 1 GBit Fast Ethernet with TCP/IP based Interface
Embedded controller	64 bit Linux, Intel i3, quad core processor, 16 Gigabyte RAM, 320GB HDD for very long scans
Scanner size (HxWxD)	1070 x 1425 x 507 mm
Scanner weight	60 kg
FOLDER EXPRESS 3011	
Description	Compact integrated automated full-fold folder
Folding speed	1 - 12 m/min
Folder dimensions (WxDxH)	1780 x 860 x 1037-1253 mm

TECHNICAL SPECIFICATIONS

PlotWave 5000

Delivery capacity	120 A1 / D-size folded pages (80 gr/m ²)
FOLDER PROFESSIONAL 6011/13	
Description	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 (standard delivery belt)	225 A1 / D-size folded pages (80 gr/m ²)
Reinforcement (tab unit)	Folder Professional 6013 only
STACKER SELECT	
Description	Integrated productive high capacity stacker with air separation and full tray sensor
Capacity	Up to 400 sheets
Media width	216 mm - 1067 mm
Media length	200 mm - 1220 mm
Media weight	60-160 g/m ²
FOOTNOTES:	
1	Excluding cable/chain and mounting material
2	D size (34 x 22 in) / A1 size (841 x 594 mm)
3	E-size (36 x 48 in) / A0 Size (841 x 1189 mm)
4	Based on current third party support
5	1 A1 landscape print made from the smart inbox, on 64 g media, back output, lines and text mode
6	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



Delighting You Always

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