EASY
SECURE AND INTELLIGENT

Fully integrated monochrome large format printing

PlotWave 5000 series

For environments where anyone may need to print a complex, large format technical document at any time, the PlotWave 5000 series offers excellent quality and robust versatility, without hassle: easy printing, with intelligent automation for impressive results every time.

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.

PRODUCT RANGE

PlotWave 5000   **PlotWave 5500**

SMARTshield   Radiant Fusing   POWERsync   Image Logic   ClearConnect

Canon

TECHNICAL SPECIFICATIONS

PlotWave 5000 series

STANDARD SYSTEM CONFIGURATION

2 Roll printing system (standard)	Productive large format monochrome printer with ClearConnect multi-touch user panel.
Stacking systems (standard)	Integrated Top Delivery Tray, 100 sheets capacity.
Rotatable 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.
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.
ClearConnect workflow software	Drivers: Driver Express for Adobe PostScript 3, Driver Select for Microsoft Windows Publishers: Publisher Mobile for IOS and Android, Publisher Express for web browsers, Publisher Select 3 for Microsoft Windows.
Starter kit included	1 bottle toner 450 g, 1 bottle developer 1750 g, 1 roll 36" standard media 75 g/m2.
Earthquake provision[1]	Secure the printer against 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

Office space saving scanning system	Scanner Express with Image Logic technology, integrated scanner positioned on top of the printer to save office space.
Standalone System scanner	Scanner Professional, productive Stand alone 48 bit colour scanner with 1200x1200 dpi CCD technology (9600x9600 dpi interpolated), 22" flatpanel touchscreen, powerful embedded Linux controller and 17 meter / scan min speed
Stacking Systems	Stacker Select, 400 sheets capacity. Increase your delivery capacity up to 450 sheets
Roll media capacity upgrade	Additional 2nd drawer to increase media capacity from 2 to 4 media rolls (400 to 800 m1 / 365 to 730 m2.)
Cutsheet tray	Capacity, 250 pages size-A/A4 size-C/A2-size
Removable hard disk	For secure environments, hard disk can easily be removed from the printer system to secure data integrity

TECHNOLOGY

Imaging technology	Electrophotography (LED) with Organic photoconductor (OPC) Radiant Fusing Technology with Instant warm-up Clean toner refill system Virtually no ozone emission
Fusing technology	Instant warm-up, contactless fusing, low power consumption (heating on demand)
Toner / type	Black toner: 900 gram per toner kit

PRODUCTIVITY

Speed (print and copy)	PlotWave 5000: 8 D/A1-sizes[2] per minute 4 E/A0 sizes[3] per minute PlotWave 5500: 10 D/A1-sizes* per minute 5 E/A0 sizes** per minute
First print out time[4]	<40 seconds
First copy out time[5]	<40 seconds

QUALITY

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

SIZE AND WEIGHT

Size main engine (WxDxH)	Compact design: 1563 x 803 x 1495 mm; (including Top Delivery Tray)
Shipping dimensions (WxDxH)	1470 x 850 x 1280 mm
Weight main engine	234 kg
Shipping weight main engine	285 kg

MEDIA HANDLING

Media capacity	2 or 4 rolls; manual feed of cut sheet media; Cutsheet tray
Paper cutting	Cutter included in the drawer for fast and easy roll media switching
Maximum media capacity	2 roll: 400 m1,365 m2; 4 roll: 800 m1, 730 m2;
Media sizes roll	A4, A3, A2, A1, A0, B1, B2, B3 ,B, C, D, E, B+, C+, D+, E+, E1, 21", 15", 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
Media sizes Cut sheet tray	Short edge feed (portrait): A4,A3, B4, A, B, A+, B+, Carto B4, 230x310 mm, 310x440 mm. Long edge feed (landscape): A4, A3, A2, B4, B3, B, C, B+, C+, Carto B4, Carto B3, 15x21", 310x440 mm, 440x594 mm
Media weight	60 - 110 g/m2; 16 - 29 lb; film: 3.5 - 4.0 mm
Roll length	Up to 200 m

(Right Column)

Roll width	297 - 914 mm; 11 - 36 inch
Minimum printed length	279 mm; 11 inch
Maximum printed length	200 m
Roll 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	- 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

USER INTERFACE

Description	ClearConnect multi-touch user panel
Size (WxDxH)	300 x 220 x 40 mm; 11.8 x 8.7 x 1.6" (10.4" at 4x3 ratio)
Resolution	800 x 600 pixels (SVGA)
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 21 languages.

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	TPM2.0
Client operating system support	Windows 7 / Windows 7 64 bits / Windows 8.1 / Windows 8.1 64 bits / Windows 10 / Windows 10 64 bits / Windows Server 2008 R2 64 bits / Windows Server 2012 64 bits / Windows Server 2012 R2 64 bits Mac OS 10.10 / Mac OS 10.11 / Mac OS 10.12 (PostScript 3 driver support only for Mac OS)
Interface	2x Ethernet 100 Mbits/s, 1 Gbit/s TCP/IP: DHCP, IPv4, IPv6, HTTPS Discovery: APIPA, WS-Discovery, SNMP v3
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 LPR
	- 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)
Back channel protocol	SNMP v3, Wave interface, WS-Discovery.

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).
Access management	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 (inclusing contactless). Authorisation is managed by using Active Directory
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, PlanWell Collaborate. The cloud user authentication can either be preconfigured by the administrator or done by the user at the time of accessing the specific cloud.

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).

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 10.1 m/min Copying 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 destination	Local USB flash drive, FTP, SMB, Smart Inbox on Controller, Optional Local Home folder (LDAP), mobile device via Mobile WebTools, WebDAV Clouds, PlanWell Collaborate.
Scan naming	Preset naming with auto numbering for productive scanning or file name on the ClearConnect user panel.
Original width	208 mm - 914 mm; 8.2" - 36", automatic width detection
Original length	208 mm - 16000 mm; 8.2"- 630", automatic length detection
Original thickness	Maximum 0.8 mm; 0.03" (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
Size scanner (WxDxH)	1097 x 308 x 140 mm; 43 x 12 x 5.5".
Weight scanner	25 kg; 55 lbs

ENVIRONMENTAL

Acoustic sound power	Standby and sleep: less than 26 dB Print mode: less than 52 dB
Ozone concentration	< 0.005 mg/m3
Heat emission	Ready: 66 W; Active: 1.5 kW
Power requirements	100 - 240 V; 50/60Hz
Power consumption	Sleep mode: <2 W ready mode: 66 W Active mode: 1.7 kW
Safety/ EMC marks & environmental labels	CE, TUV GS, CETECOM, Energy Star 3.0, FEMP, Rohs, CCC, VCCI TüV GS, c-UL-US, CB, RCM, EPEAT, EAC, FCC Class A, VCCI Class A
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	The ClearConnect software suite consists of a variety of applications with the same user interface. Create, retrieve and/or send jobs from drivers (Driver select for Microsoft Windows, Driver Express for Adobe PostScript 3 for Microsoft Windows or Apple OS), external locations (SMB, FTP, LPR, WebDAV), Mobile devices via Express WebTools and Publisher Mobile, USB flash drive, Cloud services and optional Home folder(LDAP). Optional PlanWell Collaborate. 1-click printing from USB, 1-click printing from previous sent jobs via Print SmartAccess on ClearConnect user panel. The Smart Inbox on the ClearConnect user panel enables the job preview: swipe between your jobs for print selection and preview. Pan to view the image in detail (zoom). With the template-oriented Publisher Select 3 submitting multiple files in batches is supported. Print multiple times, and sort by page or set. Media saving automatically rotates print files to optimise media usage.
Smart inbox	Personalised Smart Inbox with history, Manage queue, Manage history, Express WebTools, 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 Express WebTools. 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.

Device management	Express WebTools 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.
Scan to colour inkjet	Scan directly to iPF 600/700/800/TX-2000/3000/4000/5200/5300/5400 series via Publisher Select 3 (hotfolder)

PERIPHERALS

SCANNER PROFESSIONAL (optional)

Description	Charge-coupled device (CCD) colour 44" scanner with optional upgrade to 48"
Scan resolution	1200 x 1200 dpi (9600 x 9600 dpi interpolated)
Scan speed	23 m/min (200 dpi) 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; 50 inch
Original length	Endless
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; 44" / 48 model: max. 1220 mm; 48"
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
Size scanner (WxDxH)	228 x 1425 x 507 mm; 9 x 56.1 x 20" (H x W x D)
Weight scanner	53 kg / 117 lbs

FOLDER EXPRESS 3011 (optional)

Description	Integrated automatic fullfold folder saving office space.
Folding speed	Folding speed 1 - 11 m/min ; 0.7 - 7.2"/sec
Dimensions folder	1748 x 852 x 1118 mm; 70 x 63 x 44"
Delivery capacity	80 A0/E size folded packages (80 gr/m2)

FOLDER PROFESSIONAL 6011/13 (optional)

Description	Integrated productive fullfold folder with automated, manual folding and unfold output.
Folding speed	2,5 - 10 m/min ; 1.6 - 6.6"/sec (29 m/min ; 11.8"/sec with optional High Speed License)
Dimensions Folder Professional 6011/6013 (WxDxH)	1837 x 1634 x 1227 mm (6011) 2157 x 1634 x 1227 mm (6013)
Delivery capacity (standard delivery belt)	150 A0/E size folded packages (80 gr/m2)
Reinforcement (tab unit)	Folder Professional 6013 only

STACKER SELECT

Description	Integrated productive stacker with high capacity and tray full sensor
Capacity	400 sheets

FOOTNOTES:

1	Excluding cable/chain and mounting material
2	D size (34 x 22") / A1 size (841 x 594 mm)
3	E-size (36 x 48") / A0 Size (841 x 1189 mm)
4	1 A1 landscape print made from the smart inbox, on 64 g media, back output, lines and text mode.
5	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.