

# YEARS AHEAD

## plotWAVE T30

A printer you can build on

Enter the next era of technical drawing and design printing with the plotWAVE T-series. With trusted technology and next-generation printing power, it offers you productive ease of use, IT security features and support for your sustainable business initiatives. Printers you can build on for the years ahead.



### T-series benefits for you

- **Durable printing solution**  
T-series printers are built for reliability and uptime, without the burden of daily maintenance. They are designed to deliver consistent print quality, both over time and on different machines.
- **Professional design philosophy**  
We know how professionals use technical drawings and designs. We designed the T-series for them. For you! Proven Radiant Fusing Technology and easy-to-use intuitive interfaces help users produce first-time-right-prints.
- **Productive ease of use**  
The T-series saves your users time and speeds up your design process. From a quick print to complex jobs and document sets, operation is intuitive even at first glance. Just push the green button! Together with the PRISMA Tech Suite, it's printing you can build on for the years ahead.
- **Streamlined workflow**  
The T-series is designed to fit into your day-to-day processes. Print from applications on Windows or macOS. Submit jobs from mobile devices. Copying and scanning are easy thanks to Image Logic with automatic scan enhancement.
- **IT security features**  
More than ever, you need to protect your IT infrastructure and valuable data assets against unauthorised access. With multiple layers of security features, the plotWAVE T-series is a printer you can build on with peace of mind for the years ahead.
- **Support of your sustainable business initiatives**  
The T-series can help minimise your business footprint. With ENERGY STAR label, Radiant Fusing technology helps reduce energy use. Toner bottles are made of 50% PCR plastics on average. More than 85% of the printer can be reused or recycled.
- **One-stop shop**  
With the plotWAVE T-series, our account professionals help you configure a fully integrated, large-format solution, with hardware, software, supplies and service from a single supplier.



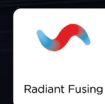
Image Logic



POWERSync+



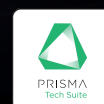
ClearConnect



Radiant Fusing



SMARTshield



PRISMA Tech Suite

# TECHNICAL SPECIFICATIONS

<b>STANDARD SYSTEM CONFIGURATION</b>	
<b>1 Roll printing system</b>	Productive large format monochrome printer with ClearConnect multi-touch user panel
<b>Applications</b>	Technical drawings, Maps, POP/POS posters
<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>Manual Feed</b>	Manually feed media when the required media type or size is not available on the media rolls or the optional cut sheet tray of the printer
<b>Starter kit (included)</b>	1 bottle toner 500 g, 1 bottle developer 1750 g, 1 roll 36 in standard media 75 g/m <sup>2</sup>
<b>OPTIONAL SYSTEM CONFIGURATIONS</b>	
<b>Roll media capacity upgrade</b>	Additional 2nd roll option to increase media capacity (200 to 400 ml / 183 to 365 m <sup>2</sup> )
<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>Removable hard disks</b>	For secure environments, hard disks can be removed from the printer system to secure data integrity
<b>Operator Attention light</b>	For productive environments, the status of the machine is visible from a distance
<b>TECHNOLOGY</b>	
<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>Automated media selection</li> <li>Automated media saving function</li> <li>Automated media switch</li> <li>Pico Printing, intelligent print optimization</li> </ul>
<b>Toner</b>	Black toner: 2x500 gram per toner kit. The tonerbottles are made of on average 50% post-consumer recycled plastic
<b>PRODUCTIVITY</b>	
<b>Speed (print and copy)</b>	4 D/A1-sizes <sup>1</sup> per minute; 2 E/A0 sizes <sup>2</sup> per minute
<b>First print out time<sup>3</sup></b>	<40 seconds
<b>First copy out time<sup>4</sup></b>	<40 seconds
<b>Print modes</b>	3 print modes
<b>QUALITY</b>	
<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%
<b>SIZE AND WEIGHT</b>	
<b>Size main engine (WxDxH)</b>	Compact design: 1560 x 803 x 1495 mm; (including Top Delivery Tray and User interface in max pos)
<b>Shipping dimensions (WxDxH)</b>	1470 x 845 x 1260 mm
<b>Weight main engine</b>	220 kg (standard configuration)
<b>Shipping weight main engine</b>	294 kg (standard configuration)
<b>MEDIA HANDLING</b>	
<b>Media capacity</b>	1 or 2 <sup>5</sup> rolls
<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 ml, 183 m <sup>2</sup> ; 2 roll: 400 ml, 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
<b>Media sizes manual feed</b>	A3, A2, A1, A0, 11 in, 12 in, 15 in, 17 in, 18 in, 21 in, 22 in, 24 in, 30 in, 34 in, 310 mm, 430mm, 440 mm, 460 mm, 500 mm, 620 mm, 660 mm, 700 mm, 701 mm, 800 mm, 860 mm, 880 mm
<b>Media weight</b>	60 - 110 g/m <sup>2</sup> ; 16 - 29 lb
<b>Roll length</b>	Up to 200 m
<b>Roll width</b>	297 - 914 mm; 11 - 36 in
<b>Roll core diameter</b>	3 in cores. Media loose on core
<b>Minimum printed length</b>	420 mm; 16,5 in
<b>Maximum printed length</b>	200 m; 656 ft

<b>Media type</b>	Plain paper, Plain paper Recycled, Transparencies, Translucent, Recycled paper, Engineering Bond, Engineering Bond Recycled, Engineering Bond Translucent, Engineering Vellum, Coloured paper, Top Label Paper FSC, Top Colour Paper FSC, Red Label Paper PEFC, Red Label Zero FSC, Recycled/WhiteZero FSC, Transparent Paper, Transparent Paper FSC, Polyester film, Polyester film antistatic, Contrast Film, Clear Polyester Film, Double Matte Polyester Film, White Opaque Polyester Film, Orika LPEX rice paper
<b>Media type manual feed</b>	Plain paper, Recycled paper, and Coloured paper, films and transparent media
<b>Automatic roll media handling</b>	<ul style="list-style-type: none"> <li>Automatic width detection</li> <li>Automatic roll media selection for optimised productivity and media saving, based on drawing size, media type, roll width and finishing</li> <li>Automatic roll switching when end of roll is reached</li> <li>Automated media switch, to guide the media to the top delivery tray or back output depending on the user application</li> </ul>
<b>ClearConnect USER INTERFACE</b>	
<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: tap, 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 19 languages; Czech, Danish, German, English, Spanish, Finnish, French, Hungarian, Italian, Japanese, Korean, Dutch, Norwegian, Polish, Portuguese, Russian, Swedish, Chinese simplified, Chinese-traditional
<b>CONTROLLER</b>	
<b>Description</b>	High performance POWERsync <sup>®</sup> controller with Windows 10 IoT Enterprise LTSC 2021, 64 bits
<b>Processor</b>	6 Core, 6 Thread, Core i5-8500 @4.10GHz
<b>Memory</b>	2x8 GB DDR4
<b>Video</b>	Intel UHD Graphics 630, 1,1GHz
<b>Hard Disk</b>	2x 500 GB, 7200 rpm (standard)
<b>TPM</b>	TPM 2.0
<b>Interface</b>	2x Ethernet 100 Mbits/s, 1 Gbit/s TCP/IP: DHCP, IPv4, IPv6, HTTPS Discovery; APIPA, WS-Discovery, SNMP WAVE interface
<b>Page description language</b>	TIFF, JPEG, HPGL, HPCL2, DWF, C4, Calcomp 906/907/951, CALS, NIRS/NIFF
<b>Page description language (optional)</b>	PS/PDF license provides access to Adobe PostScript 3 and PDF1.7. It enables the Adobe CPSI 7.10 (Configurable PostScript Interpreter).
<b>Printing protocol</b>	<ul style="list-style-type: none"> <li>LPR, FTP, WebDav</li> <li>FTP</li> <li>Pull from SMB, FTP</li> <li>Pull from cloud (retrieve from ARC Collaborate, WebDAV based clouds)</li> <li>HTTP/HTTPS (used by Publisher Express and PRISMAproduce Tech)</li> <li>Print from home folder (via access management license)</li> </ul>
<b>Back Channel protocol</b>	HTTP or HTTPS
<b>Transformations</b>	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)
<b>Cloud support</b>	Cloud support via the WebDav protocol or via 3th party providers like uniFLOW <sup>®</sup> . 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>SMARTshield INTEGRATED SECURITY</b>	
<b>Safe submission</b>	Access Control (IP filtering), IPsec, HTTPS, IP4 and IP6 compatible, password data protection
<b>Safe storage and removal</b>	Secure file erase, E-shredding, Secure boot, Data encryption with Embedded FIPS 140-2 Certified Trusted Platform Module 2 (TPM), BitLocker 256 AES encryption, Optional Removable hard disks and optional HDD's destruction at the end of the contract.
<b>Authorisation</b>	User authentication for access on the ClearConnect user panel/ WebTools Express (via LDAP/Active Directory credentials and optional via Access card), Print file protection via pincode or password. Possible to disable ports and interfaces, Standard uniFLOW embedded applet installed on the controller, for integration in uniFLOW please contact your Canon representative.
<b>Hack prevention</b>	IEEE 802.1x Authentication, SNMP v3, Audit logging, Configure HTTPS Certificates. TLS 12 strong cipher (Possible to disable TLS1.0 and 1.1 protocols), Possible to disable unused protocols, Security Event Logging, Optional Trellix antivirus software, Optional Trellix Application Control (whitelisting)
<b>Secure now and in the future</b>	Windows 10 Enterprise LTSC 2021 controller operating system with Microsoft security patches up to 2032. SMARTshield CIP (Continuous Improvement Process) including: Automatic Microsoft security patch update services with notifications and scheduling, Continuous monitoring of vulnerabilities by Canon ( <a href="https://psirt.canon">https://psirt.canon</a> ), Annual external security audit program based on the OWASP top 10 methodology ( <a href="https://owasp.org">https://owasp.org</a> ), Monitoring of new legislation and - high impact breaches.
<b>SCANNER EXPRESS (optional)</b>	
<b>Description</b>	Integrated Contact Image Sensor (CIS) Colour scanner with Image Logic technology
<b>Scan resolution</b>	600 x 600 dpi
<b>Scan speed</b>	15.2 m/min Black & white scanning 5.0 m/min Colour scanning
<b>Scan formats</b>	TIFF, PDF, PDF/A, JPEG, CALS, multi-page PDF, multi-page PDF/A and multi-page TIFF
<b>Scan templates</b>	Extensive number of scan templates to standardise common scan settings and destinations
<b>Scan protocol</b>	FTP, SMB, scan to cloud (push to WebDAV based clouds)
<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
<b>Scan naming</b>	Preset naming with auto numbering for productive scanning or file name on the ClearConnect user panel
<b>Original width</b>	208 mm - 965 mm; 8.2 in - 38 in, automatic width detection
<b>Original length</b>	208 mm - 16000 mm; 8.2 in - 630 in, automatic length detection
<b>Effective scan width</b>	932 mm
<b>Original thickness</b>	Maximum 0.8 mm; 0.03 in (non-rigid documents)
<b>Zoom (copy)</b>	1:1, Scale to media size, Scale to standard format, Custom: 10 - 1000%
<b>Original types presets</b>	Blueprint, Coloured original, Dark original, Folded lines/text, Lines/text standard, Lines/text draft, Photo, Map, Artwork
<b>Size scanner (WxDxH)</b>	1097 x 308 x 140 mm; 43 x 12 x 5.5 in
<b>Weight scanner</b>	25 kg; 55 lbs
<b>ENVIRONMENTAL</b>	
<b>Sound power level</b>	Standby and sleep: 4.2 B(A) Print mode: 7.0 B(A)
<b>Sound pressure level</b>	Standby and sleep: 24 dB Print mode: 58 dB
<b>Ozone concentration</b>	0.42 mg/h <0.001 mg/m <sup>3</sup>
<b>Heat emission</b>	Ready: 71W; Active: 1.6 kW
<b>Operating temperature</b>	Optimal print quality in temperature range 20 - 27 °C (68 - 81 °F)
<b>Operating humidity</b>	Optimal print quality in humidity range 30 - 60% RH
<b>Power requirements</b>	100 - 240 V; 50/60Hz
<b>Power consumption</b>	Sleep mode: <2 W Ready mode: 64 W Active mode: 1547 W
<b>Safety/EMC marks &amp; environmental labels</b>	CE, TÜV GS, cetecon advanced, c-UL-US, CB, RCM, ENERGY STAR 3.0, FEMP, EPEAT, CCC, EAC, FCC Class A, VCCI Class A, RoHS
<b>Earthquake provision<sup>7</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
<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: Deinkability certificate Toner: Toner bottles made from on average 50% recycled HDPE (High Density Polyethylene)
<b>Second life program</b>	Compatibility with selected legacy scanners and stackers

<b>WORKFLOW SOFTWARE</b>	
<b>PRISMAtech Suite</b>	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 operation.
<b>PRISMAproduce Tech</b>	Compose, manage and submit complex sets of documents from your web browser to one or more printers at a time.
<b>PRISMAlytics Dashboard</b>	Get comprehensive overviews to monitor and maximise the production of your print operations with this secure cloud-based management information tool.
<b>PRISMAlytics Accounting</b>	Capture data for cost charging and usage monitoring with this cloud-based reporting tool.
<b>PRISMAservice</b>	Maximise your uptime with our CARE methodology: Collect data remotely, Analyze the data, Repair printers via remote assistance and Evaluate for continuous improvement.
<b>DRIVERS, SUBMITTERS, USER PANEL</b>	
<b>Drivers</b>	Easy to use printer drivers that allow you to effectively and efficiently print from any application. Create, retrieve and/or send jobs from: <ul style="list-style-type: none"> <li>Driver Select for Microsoft Windows</li> <li>Driver Express for Adobe PostScript 3 for Microsoft Windows or Apple OS</li> </ul>
<b>Job submission</b>	<ul style="list-style-type: none"> <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> </ul>
<b>ClearConnect User Panel</b>	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
<b>CONTROLLER WORKFLOW</b>	
<b>Open architecture</b>	Integrate smoothly into print management applications such as uniFLOW thanks to our POWERsync <sup>®</sup> controller
<b>Smart inbox</b>	Personalised Smart Inbox with history, manage queue, manage history, WebTools Express, secured controller access
<b>Queue management</b>	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
<b>Print 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. Standard uniFLOW support installed on controller, login your personal uniFLOW Queue on the ClearConnect User interface. Supports accounting, manual authentication, card readers, and contactless card readers. Scan to email and scan to cloud is supported.
<b>Mobile and cloud</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>Device management</b>	WebTools Express provide administrators the tools to manage the device remotely via the web: e.g. check printer status, Remote ON function, ink/toner 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>PERIPHERALS (optional)</b>	Folder Express 3000, Stacker Select, Scanner Professional II.
<b>FOOTNOTES:</b>	
<b>1</b>	D size (34 x 22 in) / A1 size (841 x 594 mm)
<b>2</b>	E-size (36 x 48 in) / A0 Size (841 x 1189 mm)
<b>3</b>	1 A1 landscape print made from the smart inbox, on 64 g media, back output, lines and text mode
<b>4</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
<b>5</b>	Optional
<b>6</b>	Based on current third party support
<b>7</b>	Excluding cable/chain and mounting material
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**CANON BUSINESS PARTNER / DEALER'S STAMP**

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