Océ ColorWave 500

All-in-one, colour work-group printer for CAD/GIS and graphics applications

An all-in-one colour printer, the Océ ColorWave 500 is the ideal solution for work-groups, featuring powerful technologies to support CAD, GIS and graphics applications with instant-dry and water-resistant prints.

Versatile and ideal for multi-user project groups

- ENERGY STAR® qualified workgroup printer
- Productive printing of high quality CAD/GIS and graphics applications
- Integrated output options
- Ideal for in-house or remote work-groups and central print rooms
- Virtually no dust or ozone emission

The next generation of CrystalPoint technology

- New media path design
- 4 colour Océ TonerPearl system
- Good adhesion properties, instant dry and water-resistant prints even on uncoated media

Ideal for multi-user environments

- Swift running with Intel® Core™ i3 processor, dual hard drive and 8GB RAM
- Optional Adobe® PDF Print Engine 3 (APPE3) for accurate previews and fast processing speeds with end-to-end PDF workflows

Reduced need for servicing

- Océ PAINT technology repairs nozzle failures automatically, even on the fly, and extends the lifetime of the imaging device
- Fewer requirements for daily maintenance

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Intuitive touch screen and easy accessibility

- Intuitive usability on Océ ClearConnect 10.4" touch screen with tablet-like gestures

- Preview, print, retrieve, create sets, zoom-in, zoom-out, select rolls and print profiles, see toner levels and connect to 3rd party software applications

Secure and connected

- Print from and scan to your cloud server, mobile phone, tablet or USB drive

- Optional built-in user authentication features

Colour scanning

- Optional built-in colour scanner

- Optimise scans with patented Océ Colour Image Logic® workflow

- High quality scans regardless of condition of original file

- Automatically clear background noise and capture details, even from mixed originals that include text, highlighted lines and photos

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General

Printer Description	Colour work-group printer for CAD/GIS and graphics applications
Imaging technology	Océ CrystalPoint Technology brings instant-dry, water-resistant prints even on uncoated media
Print resolution	600 x 600 dpi
Print modes	4 different quality modes and Océ Print Assistant (OPA) [1]
Consumables	4 colour TonerPearl system; Cyan, Magenta, Yellow and Black
Print speed	B&W: 225 A1/h, Colour: 212 A1/h or up to 247 m²/h mechanical printing speed [2]
Media capacity	2 - 4 rolls in 1 - 2 drawers
Size (WxDxH)	2100 mm x 900 mm x 1580 mm
Weight	252 kg [3]
Standard output option	Top Delivery Tray (Capacity up to 75 sheets)

Technology

Océ POWERsync	The architecture that combines controller, Adobe® PDF Print Engine 3 (APPE3), fast processor and high capacity RAM
Océ PAINT	(Piezo Acoustic Integrated Nozzle Technology) Automatically repairing nozzle failure even on the go
Océ ImageLogic	Patented optimisation process for copying and scanning

Controller

Controller	Windows® 8 (64-bit) embedded controller
Processor	Intel® Core™ i3
Memory	8 GB RAM
Video card	Intel® HD Graphics, 1GHz
Hard disk	2 x 500 GB
Interface	Ethernet 100 Mbits/s, 1 Gbit/s, TCP/IP: DHCP,IPv4, IPv6, https, Discovery: WSD, LPD, NetBios
Page description language	TIFF 6.0, JPEG1.02, HPGL, HPGL2, C4, Calcomp 906/907/951, CALS 1, NIRS, NIFF, PS3/PDF1.7/APPE3 (optional)
Printing protocol	LPR, LPR to DRP, FTP, WebDAV, Collaborate, WSD print
Back channel protocol	SNMP printer MIB, Océ Wave interface 1.3, WSD, OCI
Security	E-shredding, IPsec, HTTPS, extended security protection for administrator, audit logging, User authentication on local UI for FTP, SMB and WebDAV; Configurable HTTPS Certificates, Removable Hard Drives (optional), Access Management (optional)
Cloud support	Unlimited user authentication on cloud via WebDAV or a third party provider such as Microsoft SharePoint®, Dropbox®, Box. com, box.net, Google Drive™, Microsoft SkyDrive®, Amazon®, Cloud Safe®, My Disk®

Media handling

Supported types of media rolls	Max. roll diameter: 180 mm; Max. roll weight: 20 kg; Media loose on core
Media thickness	0.2 mm (8 mil); Film: 0.065 - 0.2 mm (2.5 - 8 mil)
Maximum media length	200 m (656 feet)
Media width	297 mm - 1067 mm (11" - 42"); Automatic width detection
Media weight	Paper: 60-160 g/m² (16-43 lbs); Film: 2.5 - 4.5 mill
Media cutting	Automatic, manual or off
Supported media types	Uncoated papers, uncoated tyvek, self-adhesive papers, self-adhesive coated vinyls, blue back papers, polypropylene films, polyester films, light blocks films, soft banner, instant dry photo paper, backlit paper

Scanner

Description	Built-in Océ Scanner Express II (Optional)
Technology	Colour Contact Image Sensor (CIS) scanner works based on Océ Image Logic technology
Scan resolution	600 x 600 dpi
Scan speed	14.6 m/min (Black&White); 4.8 m/min (Colour)
Original width	208 - 914 mm (8.2 - 36"); Automatic width detection
Original length	208 - 16000 mm (8.2 - 630") [4]
Original thickness	Up to 0.8 mm (0.03") [5]
Zoom	10 - 1000 %

Scan formats	TIFF, PDF, PDF/A, JPEG, CALS, multi-page PDF, multi-page PDF/A and multi-page TIFF
Scanning destinations	USB drive, FTP, SMB, controller, mobile device via Océ Mobile WebTools, WebDAV Cloud, Collaborate
Scan protocol	FTP, SMB, Scanning to cloud
Naming	Naming scanned files on Océ ClearConnect touch panel
Size scanner (WxDxH)	1097 mm x 308 mm x 140 mm (43 x 12 x 5.5")
Weight scanner	25 kg

User Interface

Description	Océ ClearConnect multi-touch user panel
Screen size	10.4"
Resolution	800 x 600 pixels
Number of colours	16.2 Million
Technology	Projective capacitive touch screen
Operation	3 buttons for [Wake-up], [Stop, interrupt, abort] and [Home]; Multi-touch tablet like gestures
Features	Custom positioning (Tilt from -4° to +45° and turn from -45° to +180°); Operation status light (red, green)

Environmental Specifications (Printer)

Sound pressure level	Ready: 36 dB(A); Active: 57 dB(A)
Sound power level	Ready: 4.7 B(A); Active: 6.9 B(A)
Ozone concentration	0 mg/m³
Heat emission	Ready: 214 W, Active: 395 W
Power requirements	100 - 240 V, 50 - 60 Hz
Power consumption	Sleep: 2.5 W; Ready; 199 W; Active: 380 W
Environmental labels	CE, TüV GS, CETECOM, c-UL-US, RCM, ENERGY STAR®, FEMP
Recycling	Printer is made of steel and highly recyclable plastics; minimum 86% of the engine can either be upcycled or recycled. The packaging for toner cartridge can be reused as maintenance cassette and is made of recyclable plastic. Good deink ability of prints.

Workflow

Drivers	Océ Wide Format Printer Driver 2 for Microsoft Windows®, Océ PostScript® 3 driver
Job submission tools	Océ Wide Format Printer Driver 2 for Windows®, Océ PostScript® 3 driver, external locations (SMB, FTP, LPR, WebDAV), Mobile devices via Océ Express WebTools [6], Océ Publisher Select 2, Océ Publisher Mobile, USB flash drive, Cloud services. Supported by Adobe® PostScript® 3, Adobe® PDF Print Engine 3 (APPE 3) and Onyx software.
Océ ClearConnect touch screen	Jobs can be queued in the Smart Inbox. They can be viewed, edited, deleted, sent, saved and resubmitted on the panel. The software settings can be changed on Océ Express WebTools. You can view printer status and access the online help document in many languages and manage 3rd party applications.
Scan-to-file	You can scan to file via Océ Scanner Express and send files to USB, local drives, mobile devices, or your personal space on a cloud environment via SMB, FTP, WebDAV. You can name files and check plot on the fly.

Options

Hardware	Océ Scanner Express II, Additional roll drawer, EsTe 4311 full fold series, EsTe 2400 fanfold, Océ Delivery Tray (Capacity up to 150 sheets), Take-Up Module, Receiving rack
Software	Océ Account Centre, Océ View Station, Access Management [7], Onyx, Adobe® PostScript® 3, Adobe® PDF Print Engine 3 (APPE 3), Administrative Logon, 3rd Party Enabler

FOOTNOTES
[1] Océ Print Assistant is a tool that determines the best print mode automatically based on file content
[2] Measurements are based on printing CAD file at high-speed print profile
[3] For 1 printer and 2 drawer
[4] Depending on the file type
[5] For non-rigid media only
[6] Océ Express WebTools enables you to manage the device remotely on the web
[7] Access Management is a user authentication tool that enables users to access the printer by entering user credentials on the ClearConnect touch screen or swiping cards if there is connected card reader. Authorization is managed by using Active Directory.

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