Océ TDS450

Océ TDS450

Masters monochrome, ready for colour

Océ TDS450 printer technology

Printing technology	Electrophotography (LED) with Organic Photoconductor drum
Resolution	600 dpi
Print optimisation	User specified print optimisation modes: Lines&text for excellent line accuracy; Standard for excellent lines plus smooth grays; Poster for excellent grays and smooth solid fills
Fusing technology	Océ Radiant Fusing, instant heating
Toner system	Clean closed toner system, refill while printing

Throughput

Speed	Constant 3 linear meters p/min or 2A0 p/min in all print modes
Warm-up time	None, instant behaviour
Paper path	Optimised, continuous printing speed when printing jobs from different rolls

Océ TDS450 printer

Document delivery	■ Standard: integrated tray, no extra footprint, delivery at the front
	■ Optional with 2 rolls version: integrated Compact Output Stacker for up to 100 prints neatly stacked with no extra footprint, delivery at the front

Océ TDS450 System data

Media

Media sources	Choice of 1 or 2 rolls plus manual feed
Media capacity	Up to 175 meters per roll (75gr/m² paper) with automatic switch when roll empty
Media widths	Roll widths 297 mm - 914mm
Media types	Plain, transparent, recycled, fluorescent and coloured paper, films and vellums. Up to 110gr/m²
Media trimming	Closed system protects cutting device
Output sizes	From A3 to A0 and 36", up to 15 meters long

Océ TDS450 scanner

Scanner user interface	■ Intuitive and multilanguage ■ 5 user defined templates for copying ■ 5 user defined templates for scan-to-file This means more complex jobs can be performed at the touch of a single button.
Camera	Single 3 colour linear CCD, 21360 pixels per colour line, 24 bits colour
Scanner panel	Can be positioned as needed

Océ TDS450 scanner user interface

Environment

Dimensions	1352 mm (W) × 899 mm (D) × 1251 mm (H)
Weight	175 Kg (1 roll version), 185 Kg (2 roll version)
Mains supply	100/120/230 V, 50/60 Hz
Power consumption	EPA Energy Star® compliant, sleep mode 6 W, standby 28 W, operating 1340 W
Sound pressure	Sleep mode 0 dB(A), standby 24 dB(A), operating 54 dB(A) according to EN 7779 operator position

Océ TDS450 scanner

Scanning technology	Océ's patented Direct Scan colour technology, illuminating the original for accurate colours over long periods of time (innovative light source), eliminating risks of distorsion (single mirror) and ensuring colour consistency and sharpness (single high resolution reduction type camera)
Resolution	575 dpi (optical), up to 600 dpi (interpolated)
Copy and scan modes	Lines&text, Greys&lines, Dark original,
B&W and Grey (standard)	Blueprint, Transparent and Photo
Scan modes (option)	Colour

Throughput

Scan/copy speed (standard)	B&W 3 meters/min or 2 inch/sec Greyscale & colour (option) 1 meter/min or 0.7 inch/sec constant in all scanning modes
Warm-up time	None, instant behaviour even for colour scanning
Output reception	Automatic rewinding or Integrated delivery tray, no extra footprint
Copying behaviour	No user intervention with automatic width detection and roll selection
Size recognition	Accurate digital automatic width detection, indication on scanner panel of the exact measured width.

Océ TDS450 System data

Concurrency	Continuous feeding of copy jobs and scan jobs during printing of copy jobs and print jobs. Pre-programming of next job.

Original

Original feed	Face-down, right aligned. Automatic feed off/on
Original sizes	Image width: 200 - 914 mm, original width: 200–1016 mm, original length: 200 mm–15 m
Maximum thickness	Up to 3 mm

Imaging

Image processing	Océ's patented Image Logic® technology in 4 steps converting RGB data into 256 grey scales, removing unwanted background, sharpening text, enhancing weak information and ensuring smooth gradients.
Exposure control	Automatic, manual fine adjustment, background compensation on/off
Reproduction scale	Custom zoom 10-1000%, adjustable in 0.1% steps. Auto zoom to standard paper formats.
Scan accuracy	0.1% +/- 1 pixel
1:1 accuracy for A0 original	Below 0.3%
Image editing	Image shift, align, mirror, crop, delete area
Copy stamping (optional)	■ Stamp content: free text, date and time ■ Number: up to 50 user defined stamps ■ Selection: from comprehensive list on scanner panel
Colour space (Scan-to-file option)	Accurate sRGB

Functions

Multi-copy mode:	1 - 999 copies
Input modes	Single sheet, Set collated or not
Set memory	Up to 999 copies from a set of up to 2,400 A0 originals
Output roll	Manual or automatic selection with user defined criteria
Output edges	Leading and trailing edge adjustments. Standard cut and synchro cut modes.

Environment

Dimensions	1300 mm (W) × 650 mm (D) × 1050 mm (H) / 1300 mm (H) incl. operator panel
Weight	70 Kg
Mains supply	100-230 V, 50-60 Hz
Power consumption	EPA Energy Star® compliant, sleep mode 5 W, standby 18 W, operating 105 W

Sound pressure	Sleep mode 0 dB(A), standby 23 dB(A), operating 50 dB(A) according to EN 7779 operator position

Océ Power Logic® controller

Platform	Océ controller with Windows® XP embedded
Concurrency	■ Print and scan simultaneously ■ Print and copy simultaneously ■ Scan and copy simultaneously ■ Process next jobs during printing
Hard disk capacity	2 × 80 GB high speed hard disk dedicated to file spooling and set memory ■ Up to 999 copies of set of up to 2,400 A0 ■ Send once, process once, print many
File formats	HPGL, HPGL2, Calcomp 906/907/951 HPRTL, TIFF 6.0, CALS1, NIRS, C4, ASCII, optional Adobe® PostScript® 3™/PDF
Memory	1024Mb
Interface	Ethernet 100/10 Mbits/s with RJ45
Network protocols	TCP/IP, NetBEUI (smb), Novell (IPX/SPX), FTP, LPD Other protocols supported through an external print server
Functions	■ Multiple prints: up to 999 ■ Automatic file format sensing ■ Automatic roll selection and switching ■ Plot manipulation: auto positioning, rotation, auto scaling ■ Pen management ■ Auto rotate production mode for faster printing
Power consumption	Controller: 62.5 W
Flat screen monitor	Sleep mode 2 W, operating 16 W

Océ Remote applications

	Local and remote user communication system
Océ Queue Manager	■ View status of print and copy jobs ■ View number of sets and number of pages per set for each job ■ Manage print and copy jobs: hold, resume, delete, move to top ■ Inbox for easy release at point of printing ■ History queue for reprint of print jobs and copy jobs (number of copies can be modified) ■ Four levels of user rights (password protected)
Océ System Control Panel	View status of system components: printer, scanner, controller, memory
Océ Settings Editor	Customise and optimise the workflow by editing and saving defaults settings.

Océ TDS450 System data

Supported operating systems	Windows 95, 98, Me, 2000, NT4.0 SP3 and XP. On any other platform and operating system supporting Java 1.1.8 or higher

Océ Scan Logic®

	Océ Scan Logic is an optional scan-to-file software suite for the Océ TDS450 multifunctional system
Applications	Océ Scan Manager, integrated scanning solution and Océ View Station LT for viewing at point of scanning
Scan destinations	■ 10 programmable destinations directly selectable from scanner panel ■ Scan to Web using FTP ■ Scan to network directory ■ Scan to controller
Scan technology	Océ Colour Image Logic intelligent image processing for B&W, Greys and full colour with up to 6 special original modes for "right first time" results
Resolution	Selectable from 72 up to 600 dpi
Data formats	TIFF (uncompressed, Packbits, G3, G4 and LZW), PDF (uncompressed, Flate, LZW and G4), CALS
Scan modes	Single scan, stream feed productive batch scanning with or without check plots
File naming	Automatically generates unique file names for each scan. Change file name at point of scanning.
User interface	5 User defined job templates enabling different scan jobs to be performed at the touch of a single button directly from the scanner panel
Viewing	View scans at point of scanning. Making use of a streaming technology particularly productive for viewing scanned documents in colour (no file size limitation)
Minimum requirements	Graphical user interface on Océ Power Logic controller
Options	Océ View station for editing and enhancement of scanned documents on remote PCs Océ Batch Processor for automated editing and enhancement of batches of scanned documents on remote PCs

Océ High Speed Logic

	Océ High Speed Logic is an optional enabling faster input speeds
Speed in B&W mode	Maximum 5 meters per min. at resolution up to 200 dpi
Speed in Greys and colour	Maximum 4 meters per min at resolution up to 150 dpi

Océ Colour Logic

	Océ Colour Logic is an optional enabling, in combination with the Scan Logic option, to Scan-to-file in colour
Colour space	Accurate sRGB

Océ Account Center

Océ Account Center is an optional software application that enforces the users to enter valid accounting information before printing, copying and scanning to the Océ TDS450. Cost can then be allocated to the appropriate users, departments and projects.

Functions	■ Printer and scanner lock out ■ Customised accounting fields ■ Alphanumeric account input ■ Open to third party accounting software solutions

Océ Print Exec® Workgroup

Océ Print Exec Workgroup is a powerful, smart and efficient web-based optional software application for printing sets in workgroup environments

Functions	■ Backchannel printer status information ■ Stamping ■ Set up different print configurations (i.e. store and select predefined print settings) ■ Banner page ■ Previewing ■ Save and recall print jobs ■ Reprint jobs

Drivers and job-submission software

Océ HDI driver	For AutoCAD (LT) 2000, 2000i, 2002, 2004, 2005 and 2006
Océ Windows driver	■ Windows 2000, XP, Windows Server 2003, Windows Terminal Server, Citrix Metaframe ■ Optimised for AutoCAD ■ Microsoft signature

Océ TDS450 System data

Océ Adobe PostScript® 3 drivers	Windows 2000, XP, Windows Server 2003 and Mac OS9 and OSX
Océ Print Exec® Workgroup LT (standard)	Web-based software application for easy printing of collated sets of up to 10 documents. Includes online viewing of printer status and queue.

Copy delivery tray (optional)

Model	Wheeled delivery tray with blower unit
Capacity	Up to 150 sheets (media type dependent) from A3 to A0/E+
Power consumption	<40 W
Electrical requirements	120/230 V, 50/60 Hz
Dimensions	1,170 mm (W) × 1,440 mm (D) × 1,090 mm (H) with tray fully extended
Weight	35.5 kg

Working environment

Safety approvals	TUV GS, CETECOM, CE, Complies with Directive 89/336/EEC and FCC rules and regulations, part 15 Class A, (c) UL Scanner partly complies with US federal section 508 (wheel chair users, color blind and those who cannot hear and/or speak)
Power consumption	EPA Energy Star compliant on printer, scanner and multifunctional configurations
Ozone emission	<0.001 ppm on average, 0.005 at peak production (see Safety Data Sheets for more details)
Sound pressure	Maximum 54 dB(A) operating
User languages	Switch on the spot between 2 preferred languages amongst 18 supported languages

Océ TDS450

**Océ TDS450
Copy delivery
tray**

**Printing for
Professionals**

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