



Océ
TDS450

Monochrome
mastered —
ready for color



Color scanning in
a multifunctional
wide format system



Productivity: maximizes every minute

With the Océ TDS450 you can use your working time to the fullest—right up to the last minute. There’s no complex operation. No trial and error. No delays. You’ll have the prints and copies you need within moments.

Ease of use: saves your valuable time

Operation couldn’t be simpler. Even occasional users won’t waste valuable time finding the right settings. Whether printing, copying or scanning, the simple, fully customizable user interface takes you straight to the results you need.

Print and copy quality: right first time, every time

Optimal presentation, maximum legibility, and retention of detailed information are all vital for every drawing. With the Océ TDS450 and Océ Image Logic® technology, your results will be right first time, every time—whatever the original.

Optimum throughput: organizes your working relationship

Throughput means much more than just engine speed. The Océ TDS450’s Compact Output Stacker neatly organizes document delivery, and you can send scans directly to the desired destination from the scanner control panel.



CAD

“I want a system that gives me prints without waiting, delivers them neatly, no matter how complex, and ensures their integrity.”



High reliability: always there when you need it

The Océ TDS450's robust technology means it's available when you need it. Regular driver updates keep the system matched to your working environment so it's always ready to meet tough deadlines.

User comfort: it's easy to get along with

The Océ TDS450 has been designed with user comfort in mind. Outstanding ergonomics form the basis for consistent productivity. Remote system management allows virtually all functions to be accessed from users' workplaces.

Care for your environment: efficiently uses resources

With today's lowest noise, heat, and ozone emissions, the Océ TDS450 is ideal for departmental placement close to user workgroups. It ensures a comfortable working environment, meeting the main industry standards and regulations.

Smart investment: delivers lasting quality

Efficiently handling your wide format documents today is one thing. What about your evolving future requirements? The Océ TDS450 supports your move to all-digital color drawings with optional full color scanning when you need it.

Management

"I want a system that keeps work flowing without interruptions."



Océ TDS450 printer

Printing technology

Electrophotography (LED) with Organic Photoconductor drum

Resolution

600 dpi

Print optimization

User specified print optimization 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 118"/min. or 2 E size/min. in all print modes

Warm-up time

None, instant behavior

Paper path

Optimized, continuous printing speed when printing jobs from different rolls

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

Media

Media sources

Choice of 1 or 2 rolls plus manual feed

Media capacity

Up to 574' per roll (20 lb. bond) with automatic switch when roll empty

Media widths

Roll widths 11.7"-36"

Media types

Plain, transparent, recycled, and tinted bonds (20 lb.); films; and vellums (up to 28 lb.)

Media trimming

Closed system protects cutting device

Output sizes

From 11" x 17" to E size and 36", up to 49.2' long





IT / Network Administration

“I want a system that’s compatible with my environment and that evolves with it.”

Environment

Dimensions

53.2" (W) × 35.4" (D) × 49.3" (H)

Weight

386 lb. (1 roll version), 408 lb. (2 roll version)

Mains supply

100/120/230 V, 50/60 Hz

Power consumption

Earned the Energy Star®, 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

Copy delivery tray (optional)

Model

Wheeled delivery tray with blower unit

Capacity

Up to 150 sheets (media type dependent) from 11" × 17" to E size/E+

Power consumption

<40 W

Electrical requirements

120/230 V, 50/60 Hz

Dimensions

46.1" (W) × 56.7" (D) × 42.9" (H) with tray fully extended

Weight

78 lb.

Océ TDS450 scanner

Scanning technology

Océ’s patented Direct Scan color technology, illuminating the original for accurate colors over long periods of time (innovative light source), eliminating risks of distortion (single mirror) and ensuring color consistency and sharpness (single high resolution reduction type camera)

Resolution

575 dpi (optical), up to 600 dpi (interpolated)

Copy and scan modes

Lines & text, grays & lines, dark original

B&W and Gray (standard)

Blueprint, transparent, and photo

Color (option)

Lines & text, map, artwork, and photo

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 color linear CCD, 21360 pixels per color line, 24 bits color

Scanner panel

Can be positioned as needed

Throughput

Scan/copy speed (standard)

B&W: 2 inch/sec. (3 meters/min.)

Grayscale and color (option): 0.7 inch/sec. (1 meter/min.)
constant in all scanning modes

Warm-up time

None, instant behavior even for color scanning

Output reception

Automatic rewinding or integrated delivery tray,
no extra footprint

Copying behavior

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

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: 7.9"-36.0", original width:
7.9"-40", original length: 7.9"-49.2'

Maximum thickness

Up to .12"

Imaging

Image processing

Océ's patented Image Logic technology in four steps
converting RGB data into 256 gray 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 X axis accuracy

0.1% ± 1 pixel

Scan Y axis accuracy for an E size

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

Color 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 E size 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

51.2" (w) × 25.6" (D) × 41.3" (H) / 51.2" (H) including
operator panel

Weight

154 lb.

Mains supply

100-230 V, 50-60 Hz

Power consumption

Earned the Energy Star, 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 E size
- Send once, process once, print many

File formats

HPGL, HPGL2, Calcomp 906/907/951 JPG, HPRTL, TIFF 6.0, CALS1, NIRS, C4, ASCII, optional Adobe® PostScript® 3™/PDF

Memory

512 MB or 1024 MB

Interface

Ethernet 100/10 Mbps/s with RJ45

Network protocols

TCP/IP, NetBEUI (smb), Novell® (IPX/SPX), SNMP, 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

Beyond the Ordinary



Printing for Professionals

Océ helps the people who make our world. Companies everywhere use Océ high-speed printing, technical documentation, and professional document systems to keep the wheels of business, industry and government turning. Océ also helps the world. Developing products and services that add value to the document processes of our customers, while minimizing environmental impact and protecting health and safety, has always been one of our core principles. From bank statements to utility bills, from blueprints to newspapers, from on-demand documents to wide-format display graphics, Océ helps our professional customers go “Beyond the Ordinary” in print and document management.

Océ Wide Format Printing Systems Partners and Awards



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