



Océ TCS500

No time to waste



Puts CAD printing in the fast lane

The Océ TCS500 has all the answers to streamline your wide format workflow. It's the single system with professional productivity for every wide format task. Designed to meet your requirements today and in the future.

Océ TCS500 Print Engine

Technology

Multi printhead thermal inkjet

Printheads

9 semi-permanent printheads with 640 nozzles each (3× Black, 2× CMY)

True resolution

600 × 600 dpi

Minimum pen thickness

0.003"

Ink

Black ink: pigment based

Cyan, magenta, yellow: dye based

Size of ink tanks

400 ml and 200 ml for CMYK

Ink level monitoring

- Ink level indication in %
- Out of ink signaling

Calibration

- Automatic print head alignment
- Failing nozzle compensation
- Unattended printing in the overnight mode

Maximum throughput

- B&W 40 sec./E size
- Color 60 sec./E size

Color modes

B&W/Grayscale, Color

Quality modes

- Check, Release, Presentation
- Dynamic Switching technology in Release mode: automatically optimize the print quality and print speed when printing lines, text, and images on the same page.
- Convenient Color Management modes to provide full control of color output. Easy selectable options to emulate other inkjet devices. Enhanced sRGB and Adobe® RGB printing for RGB data and Euroscale coated and uncoated, U.S. web coated (SWOP) and uncoated for CMYK data. CAD color option delivering strong CAD color lines for drawings.

Document delivery

Front-accessible receiving tray

Options

- Copy receiving rack
- On-line folder

Media

Media sources

1, 2 or 3 easy front loadable rolls

Roll selection & switching

Manual, Automatic

Media core size

2"

Media types

- Uncoated (17–24#)
- Coated (24#)
- Translucent bond (18#)
- Polyester films (3–4 mil)
- Photo gloss (28–50#)

Media sizes

- Width: 11" up to 36"
 - Length: 8.5" up to 197"
- Printing longer lengths possible but might influence side margins*



Width detection

Automatic

Maximum roll length

300 ft.

Margins

- Leading and trailing strip: 0.2"
- Left and right sides: 0.1"

Cut length

Standard, synchro or user defined

Supported media formats

DIN, ANSI, ARCHI

Environment Print Engine

Dimensions

77" (W) × 41" (D) × 58" (H)

Weight

364–397 lbs.

Electrical requirements

100/120/230 V 50/60 Hz

Power consumption print engine

- EPA-sleep mode 2 W
- Standby 109 W
- Run 159 W
- EPA-sleep mode (including controller) 64 W

Noise level

- =< 44 dB (A) standby
- =< 65 dB (A) printing

Safety approvals

CE-compliance, TÜV-GS (IEC60950), UL, Cul (according to standard CAN/CSA-C22.2 No 60950), CB Compliance with EN 60950, EMC directive 89/336/EEC

Other

Energy Star® compliant



Océ TCS500 Scanner

Scanning technology

Océ's patented Direct Scan color technology

- Innovative light source—accurate colors
- Single Mirror—eliminating risk of distortion
- High resolution reduction camera—ensuring color consistency and sharpness

Resolution

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

Camera

Single, 3 color linear CCD, 21360 pixels per color line, 24 bits color

Speed

- B&W 10 linear ft./min. or 2 E size/min.
- Color 3.5 linear ft./min. constant in all scanning modes

Optional Speed Upgrade

- B&W maximum 16.4 linear ft./min. at resolution up to 200 dpi
- Color maximum 13.1 linear ft./min. at resolution up to 150 dpi

Scan accuracy

0.1% +/- 1 pixel

1:1 accuracy for E size original

Below 0.3%

Warm-up time

None, instant-on even for color scanning

Scanner user interface

- Intuitive and multilanguage support
- Up to 5 user-defined templates for copying
- Up to 5 user-defined templates for scan-to-file

This means even complex jobs can be performed at the touch of a single button.

Copy and scan modes

- Monochrome: lines & text, grays & lines, dark original, blueprint, transparent, and photo
- Color: lines & text, artwork, map, photo

Input modes

Single sheet, set collated, multiple sheets



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.

Reproduction scale

Custom zoom 10–1000%, adjustable in 0.1% steps. Auto zoom to standard paper formats.

Image editing

Image shift, align, mirror, crop, delete area

Originals

Size recognition

Accurate digital automatic width detection, indication on scanner panel of the exact measured width.

Original feed

Face-down, right aligned. Automatic feed off/on.

Original sizes

- Image width: 8"–36"
- Original width: 8"–40"
- Original length: 8"–49 ft.
- Maximum document thickness: 0.12"

Output reception

Automatic rewinding or integrated delivery tray (no extra footprint)

Environment

Dimensions

51.2" (W) × 25.6" (D) × 51.2" (H) including operator panel

Weight

154 lbs

Electrical requirements

100–230 V, 50–60 Hz

Power consumption

- Sleep mode 5 W
- Standby 18 W
- Run 105 W

Sound Pressure

- Sleep mode 0 dB (A)
- Standby 23 dB (A)
- Operating 50 dB (A)



Océ Power Logic® Controller

Platform

Océ controller with embedded Windows® XP

Memory

512 MB standard, expandable to 1024 MB

Hard disk capacity

80 GB

Graphic User Interface

Optional: keyboard, mouse, and monitor

Power consumption

- Run 87 W
- Idle 67 W
- Off 3.1 W

Electrical requirements

120/230 V, 50/60 Hz

Standard interface

RJ45

Network

Ethernet 10/100baseT

Network protocol

TCP/IP, IPX/SPX

Printing protocol

LPR/LPD/LPQ/LPRM, Pserver (Novell®)
3.x/4.x/5.x, FTP

Language sensing

Automatic

File formats

- Vector: HP-GL, HP-GL/2, Calcomp
- Raster: HP-RTL, TIFF 6.0, CALS, C4, NIRS/NIFF, JPG
- (optional) Adobe Postscript 3™/PDF-printing

Concurrency

- Print and scan simultaneously
- Print and copy simultaneously
- Scan and copy simultaneously
- Process next jobs during printing

Number of prints

1–999

Plot manipulation

- (Auto) Rotation, auto-scaling, positioning
- Pen management
- Leading and trailing strip adjustment (add or remove up to 15.7"), horizontal mirroring

Drivers and Job Submission

Drivers

WPD

Windows 2000, Windows XP, Windows Server2003, Windows Terminal Server, Citrix® Metaframe

HDI

AutoCAD® 2000, 2000i, 2002, 2004, 2005, 2006 (on all supported platforms)

Océ Adobe PostScript 3

Windows 2000, Windows XP, Windows Server2003, Mac® OS9 and OSX

Job submission

Océ Print Exec® Workgroup Basic software: powerful web-based software application for easy printing of collated sets of documents

Océ Remote Applications

Local and remote user communication system

Océ Queue Manager

- Possible to change settings of printed jobs and jobs on hold
- View number of sets and number of pages per set for each job
- Manage jobs: hold, resume, delete, move to top
- View status of jobs

- Inbox for release by operator or remote user
- History queue for reprint of jobs
- Four levels of user rights (password protected)

Océ System Control Panel

View status of system components: printer, controller, memory

Océ Settings Editor

- Customize and optimize the workflow by editing and saving default settings
- Separate settings for different users levels



Océ Scan Logic® Software (optional)

Océ Scan Logic software is an optional scan-to-file software suite for the Océ TCS500 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 Color Image Logic® intelligent image processing for B&W, grays, and full color 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

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 color.

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 Print Exec® Workgroup Software (optional)

Smart and efficient web-based software application for printing single files or sets of files.

Functions

- Create, send, store, and load sets of files to be printed
- Define up to 50 configurations to easily apply document print settings
- Back channel communication with printer status, validate action of new print job and view status of pending jobs
- Configurable stamps
- Banner page
- Previewing with powerful zoom option
- Available in 18 languages

Océ Account Center (optional)

Software application that enforces the users to enter valid accounting information before printing to the Océ TCS500. Cost can then be allocated to the appropriate users, departments and projects.

Functions

- Printer lock out
- Customized accounting fields
- Alphanumeric account input
- Open to third-party accounting software solutions



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.

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Océ Wide Format Printing Systems Partners and Awards



2006

2007

Novell

CITRIX

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