



## 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