Océ
TCS500

No time to waste

océ

Puts CAD printing in the fast lane

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

Océ TC500 print engine

Technology

Multi printhead thermal inkjet

Printheads

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

True resolution

600 × 600 dpi

Minimum pen thickness

0,080 mm

Ink

Black ink: pigment based

Cyan, Magenta, Yellow: dye based

Size of ink tanks

200 ml and 400 ml for all colors

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 41 sec/A0
- Color 63 sec/A0

Color modes

B&W/Grey scale, Color

Quality modes

- Check, Release, Presentation
- Dynamic Switching technology in release mode: analyses each plot and chooses for each part of the plot the optimal print strategy. To deliver good quality prints without sacrificing productivity
- Convenient Color Management to get the expected colors. Easy selectable options to simulate other inkjet devices. Enhanced sRGB and Adobe RGB printing for RGB data and Euroscale coated and uncoated, US web coated (SWOP) and uncoated for CMYK data. CAD color option to conserve pure CAD colors

Document delivery

Front-accessible slide

Options

- Copy receiving rack at back
- 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 (56 - 90 g/m²)
- Coated (85 - 120 g/m²)
- Transparent paper (90 - 112 g/m²)
- Polyester films (90 - 120 micron)
- Photo Gloss (120 - 175 g/m²)

Media sizes

- Width: 297 mm up to 914 mm
- Length: 200 mm up to 5000 mm

Printing longer lengths possible but might influence side margins

Width detection
Automatic

Maximum roll length
120 meter

Margins
- Leading & trailing strip: 5 mm
- Left & right sides: 3 mm

Cut length
Standard, synchro or user defined

Supported Media formats
DIN, ANSI, ARCHI

Environment print engine
Dimensions (h x w x d)
1465 mm × 1958 mm × 1034 mm

Weight
165 - 180 kg

Electrical requirements
100 - 120V, 200 - 240V, 50/60Hz

Power consumption printer-engine
- Sleep mode 3W
- Standby 114W
- Run 159 W
- Epa sleep mode (incl controller) 61 W

Noise level
- =< 47 dB (A) standby
- =< 66 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 scan engine
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)

Multi printer support
Copy directly to Océ color and B&W printers (up to 5)

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 3 m/min (equals 2 inch/s)
- Color 1 m/min (equals 0,7 inch/s) at all scanning resolutions up to 600 dpi

Optional Speed Upgrade
- B&W 5 m/min (equals 3,3 inch/s)
- Color 4 m/min (equals 2,7 inch/s) at lower resolutions

Scan accuracy
0.1% +/- 1 pixel

1:1 accuracy for Ao original
Below 0.3%

Warm-up time
- None, instant behavior even for color scanning

Scanner user interface
- Intuitive and multi language support
- Up to 5 user defined templates for copying
- Up to 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, Greys&Lines, Dark original, B&W and Grey Blueprint, Transparent and Photo
- Color: Lines&Text, Artwork, Map, Photo

Input modes
Single sheet, set collated or not collated

Set memory
Up to 999 copies from a set of up to 2,400 Ao 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: 200 - 914 mm
- Original width: 200–1016 mm
- Original length: 200 mm–15 m
- Maximum document thickness: up to 3 mm
- Optional: TC4XT scanner, document thickness up to 15 mm

Output reception
Automatic rewinding or integrated delivery tray

Environment scan engine

Dimensions
1300 mm (W) × 650 mm (D) × 1050 mm (H)/ 1300 mm (H) incl. operator panel

Weight
70 kg

Electrical requirements
100-230 V, 50-60 Hz

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

Noise level
- 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
1 Gb

Hard disk capacity
250 Gb for file spooling and set memory

Graphic User Interface
Optional: keyboard, mouse and monitor

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

Electrical requirements
100 - 120 V, 200 - 240 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 400 mm), horizontal mirroring

Drivers and job submission

Drivers
WPD
Windows 2000, Windows XP, Windows Vista, 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 Vista, Windows Server2003, Mac OS9 and OSX

Job submission
Océ Print Exec® Basic, 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

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

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

Océ System Control

View status of system components

Panel

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®

Océ Scan Logic 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

Printing for Professionals

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, Greys 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 ehancement 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

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 easy 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
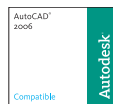- Available in 18 languages

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

Océ Wide Format Printing Systems Partners and Awards