Océ TDS400

Digital Multifunctional System

User Manual

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Océ-Technologies B.V.

This manual contains a description of the Océ TDS400 and the copying that can be done with it. The introduction (chapter 1) contains a general description of the working methods for using the copier and it is recommended that you read at least this chapter.

Trademarks

Products in this manual are referred to by their trade names. In most, if not all cases, these designations are claimed as trademarks or registered trademarks of their respective companies.

Safety information

This manual contains the following safety information:

■ Appendix B lists 'Instructions for safe use'. *You are advised to read this information before you start to actually use the copier.* Technical safety information such as safety data sheets can also be found in appendix B.
■ Where applicable, cautions and warnings are used throughout this manual to draw your attention to safety precautions to be taken.

Internet

Check Océ on the internet at www.oce.com for:

■ the latest drivers
■ the latest user manuals
■ product development

Copyright

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Chapter 1
Introduction

This chapter contains a general introduction to the Océ TDS400. This chapter describes the main features, the options and the software applications provided with the system.

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About this manual

This manual contains the following chapters

Chapter 1: Introduction Contains a general introduction to the Océ TDS400 system, a general description of the main features, delivery options and software applications provided with the system.

Chapter 2: Use the Océ TDS400 to print Contains a short description of how to use the printer.

Chapter 3: Use the Océ TDS400 to copy Contains a description of how to use the scanner to make copies.

Chapter 4: Use the Océ TDS400 to scan Describes how to scan the originals to a file.

Chapter 5: Océ Power Logic®: The Settings Editor Gives information about the Settings Editor. For details about specific settings, refer to the Help on the Settings Editor.

Chapter 6: Océ Power Logic®: The System Control Panel Describes how to look at the system status of the Océ TDS400.

Chapter 7: Océ Power Logic®: The Queue Manager Describes how to view and manage jobs in the Océ TDS400 print queue, inbox queue, and history queue. It shows how to cancel the active print and how to delete the prints, how to hold the print jobs in the queue, how to restart the jobs, and how to move jobs to top.

Chapter 8: Océ Power Logic®: Remote Logic describes the installation and the functionality of the Océ TDS400 remote controller applications.

Chapter 9: Océ Print Exec® LT Web describes an optional job submission application which allows you to send print jobs to a printer from your web browser.

Chapter 10: Océ Power Logic®: Account logging describes an optional feature that enables you to track how many jobs you make for a customer. This chapter describes how you use the accounting functionality for this purpose.

Chapter 11: Printer supplies and scanner maintenance Describes how to load paper and how to refill the toner, and how to provide maintenance to the scanner.

Chapter 12: How to solve problems Describes the problems that can occur when you use the Océ TDS400.

Appendix A: Summary and tables Contains the product specifications for the Océ TDS400, a list of available material types and sizes.

Appendix B: Safety information Contains the approved weight limits, instructions for safe use, the available safety data sheets and the correct ENERGY STAR® specifications.

Appendix C: Miscellaneous Contains the notation conventions, a reader's comment sheet and the addresses of local Océ organisations.

The Océ TDS400

The Océ TDS400 is a wide format, black and white, multifunctional system to print, to scan and to copy wide format documents. The system includes a printer (1 or 2 rolls) a controller and an optional scanner.
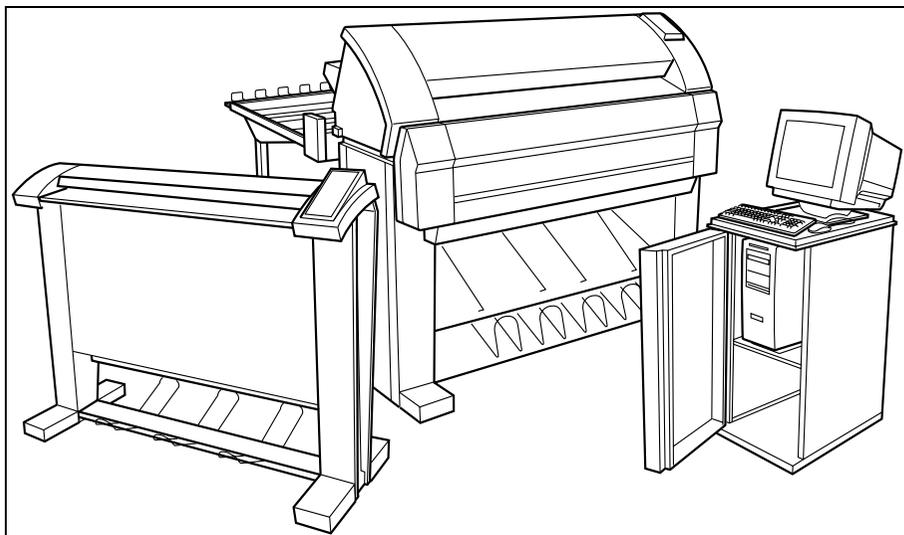
[1] Océ TDS400

The Océ TDS400 concept and components

The Océ TDS400 printer

The Océ TDS400 printer is available with an automatic 1- or 2-roll unit and manual feed.Use manual feed when you want to print a job on a media type and/or size that is not available on one of the paper rolls.

Note: *The manual feed is a special slot just above the paper drawers on the engine. You can insert cut sheet material in this slot, one sheet at a time.*Refer to 'Copy on pre-cut sheets' on page 57 on how to copy on pre-cut sheets.

Note: *Only use material as specified in 'List of available material types and sizes' on page 180.*

The Océ TDS400 is a 600 DPI LED printer with a speed of 3 meters per minute.

You can perform a number of activities at the Océ TDS400 printer. You can set the media type and size, stop a print job or select your preferred language from the printer operator panel (see chapter 2, 'Use the Océ TDS400 to print' on page 21 for more details).

The Océ TDS400 is delivered with drivers and job submission software to enable you to print from AutoCad®, Windows® or Macintosh® applications.

The Océ TDS400 scanner

The Océ TDS400 scanner supports a wide range of copy activities. It provides a large number of functions for defining original and copy related settings. You can specify particular media, feeding and quality enhancement options from the scanner operator panel. In combination with the Océ TDS400 printer it forms a powerful productivity tool.

The scanner scans your originals. You can print the originals (copy job) or you can store the scanned original in a file (Océ Scan Logic®). The scanner has different quality modes which are provided by Océ Image Logic®.

■ Green button principle

The Océ TDS400 is easy to use. Press the green button on the scanner operator panel to start the basic copy jobs. If you have difficult copy jobs, you change the default copy settings with the help of the other settings on the scanner operator panel.

The Océ Power Logic® controller

The Océ TDS400 is equipped with a controller to process the print jobs and the copy jobs. The controller can have Océ Remote Logic® to control your print jobs, make your default printer settings and monitor the printer status.

The Océ Power Logic® controller processes the print jobs and the copy jobs. It also processes the optional scan to file jobs.

■ Set processing

When you send a file to the printer, the file is processed once and can be printed many times. The Océ TDS400 has a set memory to store a maximum of 135 A0s which allows you to create the same sets that are sorted either by page or by set.

■ Spool memory

The Océ TDS400 has a spool memory which provides a queuing system for files you want to print. The spool memory allows many users to send the print jobs to the Océ TDS400 at the same time. The print jobs are put in the print queue where they wait to be printed. The job that is put first into the queue is printed first.

■ Network connectivity

The Océ TDS400 controls a number of common network protocols. The Océ TDS400 can be used in may networks like TCP/IP, NetBEUI® and Novell® .

Settings Editor The Settings Editor allows you to set the default settings of the Océ TDS400 according to your companies requirements.

System Control Panel The Océ System Control Panel (SCP) application provides you with status information about the system.

Refer to 'Océ Power Logic®: System Control Panel' on page 105, for complete information about the System Control Panel.

Queue Manager The Queue Manager (QM) application gives a graphical design of the print queue. You can manage jobs in the print queue, history queue, or inbox queue.

Refer to 'Océ Power Logic®: Queue Manager' on page 111, for complete information about the Queue Manager.

Océ Remote Logic® enables you to:
■ View system status (Océ System Control Panel).
■ Manage print jobs (Océ Queue Manager).
Change settings (Océ Settings Editor).

Océ TDS400 options

By default, the Océ TDS400 has an automatic 1 roll unit and is equipped with a receiving tray as the output delivery device. The receiving tray is the rack on the bottom of the printer (see figure 1 on page 12).

Automatic 2-roll unit The Océ TDS400 is available with an automatic 2-roll unit. Each of the rolls can be loaded with print material of a different size or type. The size and type of the available media are indicated on the operating panel.

Compact output stacker The optional compact output stacker offers a smart and efficient disposition of printed or copied drawings (up to 100 prints) on PPC material and some other materials.

Copy Delivery tray Collects copies at the rear of printers as they are printed.
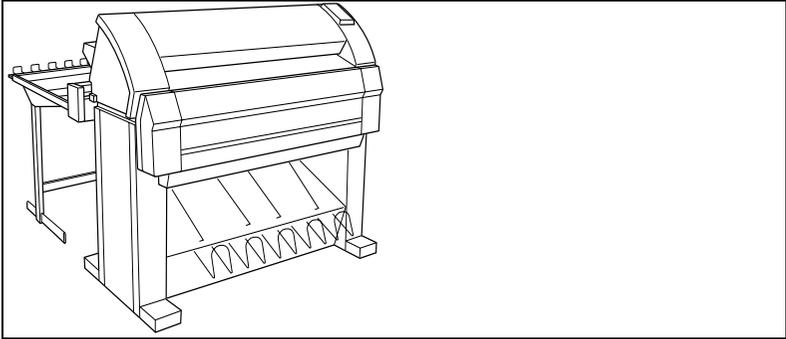
[2] Copy Delivery Tray

Graphical User Interface The Graphical User Interface (GUI) consists of a screen, a mouse, a keyboard and software. You use the screen, mouse and keyboard to interact with the graphical user interface of the controller. With the GUI you can perform Key Operator and System Administrator tasks in a graphical way. Settings are visible within one window so that it is much easier to view and change them.

Océ Scan Logic® Enables you to scan a document to file for later (re)use. You can use the files in other applications or print them out.

■ Scan Manager with Océ View Station (LT)
The Scan Manager is an application available only locally on the controller. With the Scan Manager you can:
■ configure the destinations for scan to file
■ increase your productivity with automatic file naming
■ view the scans

Refer to 'Use the Océ TDS400 to Scan' on page 65 for complete information about the Scan Manager application.

Adobe® PostScript® 3™/PDF The Océ TDS400 fully supports Adobe® PostScript® 3™. For Japanese 5 extra fonts are optional. They can be enabled with a password in the Settings Editor.

Océ Print Exec® LT Web Optional software which allows you to create and send a set of plots or drawing files to an Océ TDS printer. You can send the settings for these jobs from your workstation, using your web browser.

Account logging An optional feature that enables you to track how many jobs you make for a customer. This chapter describes how you use the accounting functionality for this purpose.

Océ TDS400 users

The Océ TDS400 has the following user types:

System administrator The Océ TDS400 system administrator installs and makes the configuration for Océ TDS400. The system administrator defines the printer-language settings, pen settings and Automatic Language Sensing (ALS) settings. The system administrator can help the users who need to install the printer drivers on their workstations. See chapter 10, 'Océ Power Logic®: Account Logging' on page 137 for complete information. The configuration information is in the Océ TDS400 Connectivity Manual provided with the Océ TDS400.

Key operator The Océ TDS400 key operator is responsible for the daily maintenance of the Océ TDS400. The key operator replenishes toner when necessary, loads media as needed and defines the default printer settings for recurring print jobs. Also, the key operator defines all time settings, such as panel time out and sleep mode time out. See 'Océ Print Exec® LT Web' on page 133 for more information.

Repro operator The repro operator is responsible for the daily operations on the Océ TDS400. The Repro Operator settings are a subset of the Key Operator settings. The Repro Operator has no rights to change settings in the Settings Editor. In the Queue Manager and the System Control Panel the repro operator has the same user rights as the Key Operator and System Administrator.

Anonymous user Typically, an anonymous user on the Océ TDS400 can be either a PC user who has remote access to the system through one or more drivers (Windows® driver, AutoCAD® ADI/HDI or PostScript®) or the remote applications (Océ Queue Manager, Océ System Control Panel and Océ Settings Editor), or the print submission/print management applications, or a user performing a copy job at the scanner.

Service operator The Océ TDS400 service operator is responsible for installation and maintenance of the Océ TDS400.

User interaction

You can operate the Océ TDS400 from different locations: local and remote:

- Operator panels

  The Océ TDS400 has two operator panels to make the settings for the print jobs and the copy jobs. See 'Printer operator panel' on page 22 and 'Scanner operator panel' on page 44 for complete information.
- Océ Remote Logic®

  Use the remote logic to make the default key operator and system administrator settings (Settings Editor). To see the status of the jobs in the print queue you use the Queue Manager. The 'System Control Panel' shows the status of the complete system.
- Océ Scan Logic®

  With 'Scan Manager' and 'Océ View Station (LT) you can define all important settings for scanning.
- Printer drivers

  With the Océ TDS400 one or more printer drivers can be used, including Print Exec® LT Web, Windows® driver, AutoCad® ADI/HDI and PostScript®. With these drivers PC users can access the Océ TDS400 remotely, from their applications, to print their files. More information about installing, configuring and use of the drivers can be found in the documentation provided with the drivers. All Océ drivers (except Postscript) can be freely downloaded from the Web at www.oce.com.
- Use a Remote Control Format (RCF) file or an Océ Job Ticket (OJT) to give instruction to the Océ TDS400 how to manage a remote print job. You can make the special settings on an operator panel, or with the user interface (UI) on a workstation or PC. The RCF file or the job ticket describe the input sets, the output sets and the processing to form the outputs. See the 'Remote Control Format Reference Manual' and the 'Océ Job Ticket Reference Manual' for complete information about Remote Control Format (RCF) files or Océ Job Ticket (OJT).

The data flow to the Océ TDS400

Connect the Océ TDS400 to a host environment, which can be a stand alone PC/Workstation or a PC/Workstation connected to a network. It accepts different standard format vector and raster data files from the host environment and converts these into high quality prints ((see figure 3)).
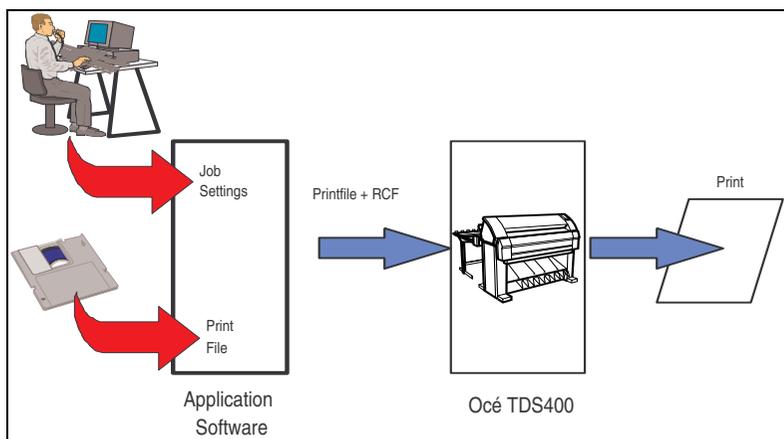
[3] Data flow to the Océ TDS400

When an Océ TDS400 receives vector, raster, Adobe® PostScript® or PDF (optional, Adobe® PostScript® 3™)data it will generate a print with the settings as specified in the Settings Editor.

Each print job has remote control commands to indicate the settings for a job. This so called header contains the job and the file defined settings in Océ Job Ticket (OJT). The OJT settings overwrite the settings defined in the Settings Editor. Except for pen settings and job management which have priority over the Océ Job Ticket settings.

To compose such a header, you can:

- Compose the header within your application. Please refer to the Océ Job Ticket (OJT) manual.
- Use an Windows® and/or AutoCad® HDI driver to generate both a plottable file (e.g. HP-RTL, HP-GL/2) and the appropriate header with RCF-commands. Please refer to the Windows® / Autocad® Driver documentation.
- Use the Océ Job submission software like Océ Print Exec® LT Web in order to compose jobs of plottable files in a very flexible and user friendly way (see chapter 5, 'Océ Power Logic®: The Settings Editor' on page 89).

Chapter 2
Use the Océ TDS400 to print

This chapter explains how to print with the Océ TDS400.

Printer operator panel

The operator panel on the right hand side is easy to use (see figure 4). The panel has buttons and a display.

Alphanumeric display

Browse buttons

Previous button

Next/select button

On line button

Stop button

previous

next/select

on-line

stop
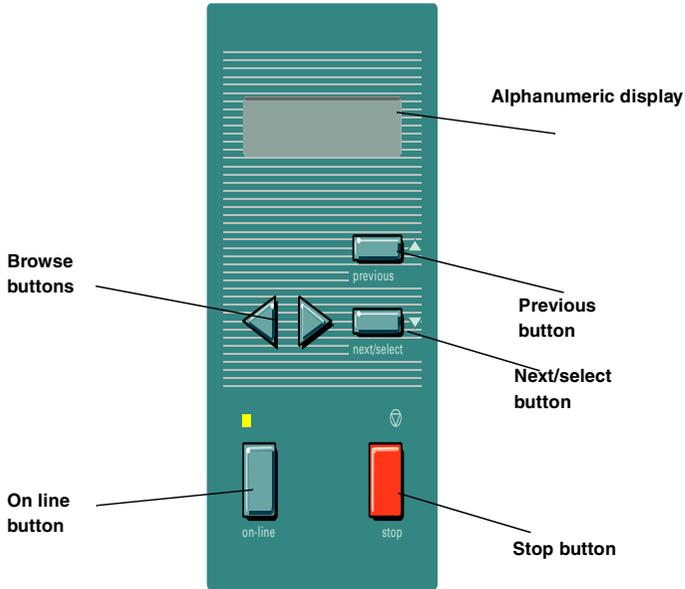
[4] Printer operator panel

Display

The display shows the feedback about print job status and error messages see page 38and page 39 in normal mode. In off-line mode it shows the 'off-line' menu (see figure on page 41).

Menu level indicator

The menu level indicator indicates the current position in the menu. Press the 'Previous' button to scroll through the menu.
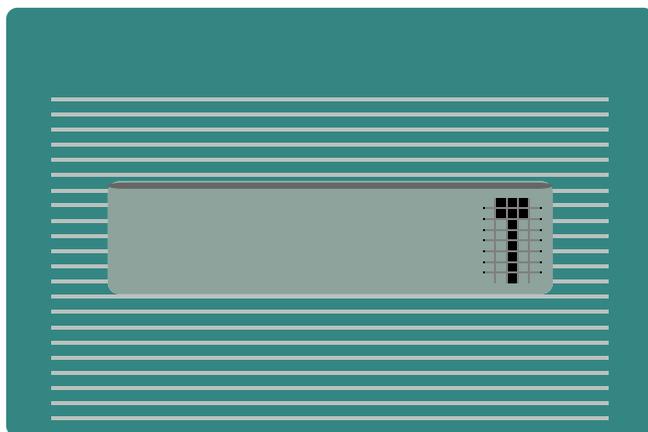
Buttons

With the buttons on the operator panel you can make the settings for the Océ TDS400 Printer.

The following buttons are available

Available Buttons	
Button types	Function
On line button	Press the on line button to put the printer on line or off line. To activate the program mode and to enter the top level menu. You can use the 'next/select' button, the 'previous' button and the browse button to go through the menu. If the green light above the on line button is on, the printer is on line; if this light is off, the printer is off line.
Next/select button	To select an option or a setting in the menu. Or in case a sub-menu is present, enter a menu on a lower level.
Previous button	Press this button to go one level higher in the menu.
Browse buttons	These two buttons are used to select another mode at the same level of the menu, or to display the next or previous option from the option list.
Stop button	The red stop button is used to stop the present print job.

How to turn on and turn off the Océ TDS400 printer

To turn on the system:

■ turn on the printer.

■ turn on the scanner (see page 49).

■ turn on the controller(see page 26).

When you turn on the system, it is ready for operation. In this state, the machine is in the stand-by mode.

If the system is not in use for more than 1 minute, the operator panel returns automatically to the stand-by mode. The operator panel of the scanner is activated in the following conditions:

■ you feed an original

■ a button on the operator panel is pressed

▼ **Turn on the printer**

1 Set the ON/OFF switch at the rear of the printer to position '1' (see figure 5). If the power supply is connected, the green switch lights.
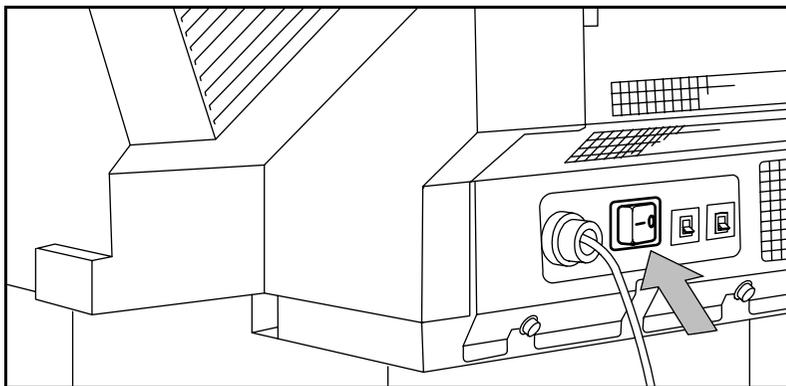
[5] On/off switch of the printer

Note: *When 'Ready' is displayed on the operator panel, the printer is ready for use.*

▼ **Turn off the printer**

1 Set the ON/OFF switch at the rear of the printer to position '0' (see figure 4).

Attention: *If you switch off the printer during a print job, it is possible that you loose information or that a paper jam occurs.*

▼ **Turn on the controller**

1 Press the button on the front of the controller.

▼ **Turn off the controller**

1 Select the 'Shut down' option from the System Control Panel. You can do this through both the controller and through Remote Logic®.

2 Switch off the controller and the monitor.

Cancel a print

Cancel a print before you start the print or during the print.

▼ **Cancel a print**

1 Press the 'stop' button.
The printer stops.
When the printer runs, the paper is cut.
The paper is always ejected.

Menu structure

On the Océ TDS400 printer operator panel, you can do a number of actions. These actions include:

- Media settings (material and size).
- Print info (configuration report, menu card and demo print).
- Configuration (connectivity issues).
- System (clear set memory and diagnostic mode).

Media type and size on the printer

One of the features of the Océ TDS400 printer is the automatic media change function. This function allows the printer to take another roll of the same format and copy material when the roll becomes empty when you print. You must configure this setting in the Settings Editor (see 'Océ Power Logic®: The Settings Editor' on page 89).

If you activate this function the machine automatically switches to the other roll, if the used one becomes empty. The switch only occurs if the kind of media and the width of the material is the same for both rolls.

Note: *The Océ TDS400 Printer can not identify the copy material type and format. Fill the media and indicate the type and the size as described in 'Media' on page 152.*

See 'List of available material types and sizes' on page 180 for a summary of all materials for the use with the Océ TDS400 Printer.

If you insert a new roll with another material or with a different width, you have to program the new roll specifications. Refer to 'List of available material types and sizes' on page 180.

Note: *The machines switches automatically to the other roll if the used roll becomes empty, if you activate this function in the Settings Editor.*

▼ **Set the media width settings**

1 Press the 'on line' button to put the printer off line.
2 Select the 'Media settings' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'Media settings' menu.
4 Select 'Roll 1' or 'Roll 2' with the ◀ or ▶ button.
5 Press 'next/select' to enter the 'Roll' or 'Manual feed' menu.
6 Select the 'Width' item with the ◀ or ▶ button.
7 Press 'next/select' to enter the 'Width' menu.
8 Select the desired width with the ◀ or ▶ button.
9 Press 'next/select' to confirm the selected width.
10 Press 'on line' to put the printer on line again.

▼ **Set the media type settings**

1 Press the 'on line' button to put the printer off line.
2 Select the 'Media settings' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'Media settings' menu.
4 Select 'Roll 1', 'Roll 2', 'Manual feed' with the ◀ or ▶ button.
5 Press 'next/select' to enter the 'Roll' or 'Manual feed' menu.
6 Select the 'Material' item with the ◀ or ▶ button.
7 Press 'next/select' to enter the 'Material' menu.
8 Select the desired media material with the ◀ or ▶ button.
9 Press 'next/select' to confirm the selected media material.
10 Press 'on line' to put the printer on line again.

Manual feed

There are two possibilities to select manual feed:

■ via remote control commands added to the print file (by means of Plot Director or drivers).

■ choose 'manual feed' on the scanner operator panel.
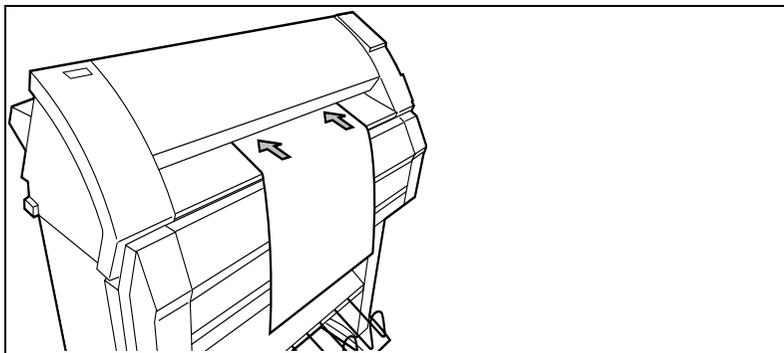
[6] Manual feed

If you want to use manual feed, you must:

1 program the media settings (material and feed time out) on the printer
2 send the file
3 feed the sheet of material
4 hold the material until the printer pulls in the first part of the material.

If you select manual feed, the printer will inform you to feed the sheet into the printer. There is a time out between 1 and 10 minutes. Default is 1 minute.

▼ **Set the time-out for manual feed**

Default is 1 minute.

1 Press 'on line' to put the printer off line.
2 Select the 'Media settings' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'Media settings' menu.
4 Select 'Manual feed' with the ◀ or ▶ button.
5 Press 'next/select' to enter the 'Manual feed' menu.
6 Select the 'Time out' with the ◀ or ▶ button.
7 Press 'next/select' to enter the 'Time out' menu.
8 Select the desired time out with the ◀ or ▶ button.
9 Press 'next/select' to confirm the selected time-out.
10 Press 'on line' to put the printer on line again.

Cut media

If the material does not have a straight leading edge, you can cut the material at right angles from the roll.

▼ **Cut the material from roll 1 or roll 2**

1 Open the drawer.
2 Feed the paper manually until it is 5 cm above the top drawer.
3 Press the 'on line' button to put the printer off line.
4 Close the paper drawer.
5 Select the 'Media settings' item with the ◄ or ► button.
6 Press 'next/select' to enter the 'Media settings' menu.
7 Select 'Cut media' with the ◄ or ► button.
8 Press 'next/select' to cut the paper.
9 Open the paper drawer.
10 Remove the scrap of material.
11 Feed the material until you can see the material and put the material into position ((see figure 57 on page 153) and 61 on page 155).
12 Close the drawer.
13 Press the 'on line' button to put the printer on line again.

Print info

You have the possibility to print:
- the configuration report
- the menu card
- a demo plot

Print the configuration report

The configuration report shows the configuration and the settings of the system.

▼ **How to print the configuration report**

1 Press the 'on line' button to put the printer off line.
2 Select the 'Print info' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'Print info' menu.
4 Select the 'Configuration' item with the ◀ or ▶ button.
5 Press 'next/select' to print the configuration report.
6 Press 'on line' to put the printer on line again to print the report.

Print the menu card

You can print the menu of the printer, to guide you through the menu.

▼ **How to print the menu card**

1 Press the 'on line' button to put the printer off line.
2 Select the 'Print info' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'Print info' menu.
4 Select the 'Menu card' item with the ◀ or ▶ button.
5 Press 'next/select' to print the menu chart.
6 Press 'on line' to put the printer on line again to print the menu card.

Print the demo print

After the installation of the Océ TDS400, you can print the demo print, to check the printer and the controller.

▼ **Make a demo print**

1 Press the 'on line' button to put the printer off line.
2 Select the 'Print info' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'Print info' menu.
4 Select the 'Demo print' item with the ◀ or ▶ button.
5 Press 'next/select' to print the demo print.
6 Press 'on line' to put the printer on line again to print the demo print.

Configuration

Select a language

On the operator panel of the Océ TDS400 Printer you can indicate which language you use to display the printer information, like status and error messages.

▼ **Select a language**

1 Press the 'on line' button to put the printer off line.
2 Select the 'Configuration' item with the ◄ or ▶ button.
3 Press 'next/select' to enter the 'Configuration' menu.
4 Select 'Language' with the ◄ or ▶ button.
5 Press 'next/select' to enter the 'Language' menu.
6 Select the desired language with the ◄ or ▶ button.
7 Press 'next/select' to confirm the selected language.
8 Press 'on line' to put the printer on line again.
9 Turn the printer 'off' and 'on' again.

Network settings

The Océ TDS400 has 2 network adapters. To set the network settings you must enter the network data in 4 fields.

■ Use DHCP server. The Dynamic Host Configuration Protocol (DHCP) is a protocol to automate the assignment of Internet Protocol (IP) addresses in a network. Without DHCP, the IP address must be entered manually.

■ IP address. An IP address has two parts: one part identifies the network (with the network number) and the other part identifies the specific machine or host within the network (with the host number).

■ Subnetmask. A subnet (short for 'subnet work') is an identifiably separate part of an organization's network. To manage routing that could and should be handled within an organization.

■ Set default gateway A gateway is a network point that acts as an entrance to another network.

▼ **Set use DHCP server**

1 Press the 'on line' button to put the printer off line.
2 Select the 'System' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'System' menu.
4 Select 'Network sett.' with the ◀ or ▶ button.
5 Enter password.
6 Press 'next/select' to enter the 'Network sett.' menu.
7 Select 'adapter 1' or 'adapter 2'with the ◀ or ▶ button
8 Press 'next/select' to enter the 'adapter 1' or 'adapter 2' menu
9 Select 'Use DHCP server.' with the ◀ or ▶ button.
10 Select 'Yes'or 'No' with the ◀ or ▶ button.
11 Press 'next/select' to confirm.
12 Press 'on line' to put the printer on line again.

▼ **Set the IP address**

1 Press the 'on line' button to put the printer off line.
2 Select the 'System' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'System' menu.
4 Enter password.
5 Select 'Network sett.' with the ◀ or ▶ button.
6 Press 'next/select' to enter the 'Network sett.' menu.
7 Select 'adapter 1' or 'adapter 2'with the ◀ or ▶ button
8 Press 'next/select' to enter the 'adapter 1' or 'adapter 2' menu
9 Select 'IP address' with the ◀ or ▶ button
The first three digits flash.
10 Enter the first three numbers of the 'IP address' with the ◀ or ▶ button.
11 Press 'next/select' to confirm, the next digits flash.
12 Enter the next three numbers of the 'IP address' with the ◀ or ▶ button.
13 Press 'next/select' to confirm, the next digits flash.
14 Enter the next numbers of the 'IP address' with the ◀ or ▶ button.
15 Press 'next/select' to confirm, the next digits flash.
16 Enter the next numbers of the 'IP address' with the ◀ or ▶ button.
17 Press 'next/select' to confirm.
18 Press 'on line' to put the printer on line again.

▼ **Set the Subnetmask**

1 Press the 'on line' button to put the printer off line.
2 Select the 'System' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'System' menu.
4 Enter password.
5 Select 'Network sett.' with the ◀ or ▶ button.
6 Press 'next/select' to enter the 'Network sett.' menu.

7   Select 'adapter 1' or 'adapter 2'with the ◀ or ▶ button

8   Press 'next/select' to enter the 'adapter 1' or 'adapter 2' menu

9   Select 'Subnetmask' with the ◀ or ▶ button
    The first three digits flash.

10 Enter the first three numbers of the 'Subnetmask' with the ◀ or ▶ button.

11 Press 'next/select' to confirm, the next digits flash.

12 Enter the next three numbers of the 'Subnetmask' with the ◀ or ▶ button.

13 Press 'next/select' to confirm, the next digits flash.

14 Enter the next numbers of the 'Subnetmask' with the ◀ or ▶ button.

15 Press 'next/select' to confirm, the next digits flash.

16 Enter the next numbers of the 'Subnetmask' with the ◀ or ▶ button.

17 Press 'next/select' to confirm.

18 Press 'on line' to put the printer on line again.

▼   **To set the Default gateway**

1   Press the 'on line' button to put the printer off line.

2   Select the 'System' item with the ◀ or ▶ button.

3   Press 'next/select' to enter the 'System' menu.

4   Enter password.

5   Select 'Network sett.' with the ◀ or ▶ button.

6   Press 'next/select' to enter the 'Network sett.' menu.

7   Select 'adapter 1' or 'adapter 2'with the ◀ or ▶ button

8   Press 'next/select' to enter the 'adapter 1' or 'adapter 2' menu

9   Select 'Default gateway' with the ◀ or ▶ button
    The first three digits flash.

10 Enter the first three numbers of the 'Default gateway' with the ◀ or ▶ button.

11 Press 'next/select' to confirm, the next digits flash.

12 Enter the next three numbers of the 'Default gateway' with the ◀ or ▶ button.

13 Press 'next/select' to confirm, the next digits flash.

14 Enter the next numbers of the 'Default gateway' with the ◀ or ▶ button.

15 Press 'next/select' to confirm, the next digits flash.

16 Enter the next numbers of the 'Default gateway' with the ◀ or ▶ button.

17 Press 'next/select' to confirm.

18 Press 'on line' to put the printer on line again.

Paper series

You must enter the paper series that you use in the printer. Choose between:
■ DIN
■ DIN CARTO

- ■ Only 8.5 inch
- ■ Mix 8.5/9 inch

▼   **To set a paper series**

1 Press the 'on line' button to put the printer off line.
2 Select the 'Configuration' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'Configuration' menu.
4 Select 'Paper series' with the ◀ or ▶ button.
5 Press 'next/select' to enter the 'Paper series' menu.
6 Select the required paper series with the ◀ or ▶ button.
7 Press 'next/select' to confirm.
8 Press 'on line' to put the printer on line again.

System menu

To enter the System menu you need a password. The password for the System menu is: ◀ ▶stops' ◀ .

Clear set memory

The set memory indicates the available memory. If an error occurs, for example the set memory reaches its limits, you must clear the set memory.

▼ **Clear set memory**

1 Press the 'on line' button to put the printer off line.
2 Select the 'System' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'System' menu.
4 Enter the password to get access.
5 Select the 'Clear setmem' item with the ◀ or ▶ button.
6 Press 'next/select' to enter the 'Clear setmem' menu.
7 Select 'Yes'or 'No' with the ◀ or ▶ button.
8 Press 'next/select' to confirm the setting.
9 Press 'on line' to put the printer on line again.
10 Turn 'off' and 'on' the controller.

Diagnostic mode

The Diagnostic mode is only meant for the Océ service technician.

Status messages

Status Messages	
Status messages	Explanation
Off-line	The printer is off-line.
	Change options.
Reset printer	Turn the printer off and turn the printer on.
Connecting.....	There is no communication between the controller and the printer.
	Wait until there is communication.
Printer asleep	The printer is in low power mode.
	The energy is saved.
Please wait	The printer downloads the language.
	Wait until the printer is prepared to operate.
Printer ready	The printer is prepared to print.
Preparing job	The printer prepares a print or copy job.
Printing	The printer prints.
Load roll 1 A2 Paper	The printer detects that the required media is not available on roll 1.
	Fill roll 1 with the indicated media.
Load roll 2 A2 Paper	The printer detects that the required media is not available on roll 2.
	Fill roll 2 with the indicated media.
Manual feed A2 Paper	The printer detects that the required media is not available in the manual feed.
	Put the required media in the manual feed.
Open left cover Refill toner Press <on-line>	The toner container is empty.
	Refill the toner container.
Conditioning	The machine improves the print quality by optimising the toner concentration.
	Wait until the toner concentration is at the correct level.
Printer ready Roll 1 empty	The paper roll 1 is empty.
	Reload roll 1.
Printer ready Roll 2 empty	The paper roll 2 is empty.
	Reload roll 2.
Printer running Roll 1 empty	The paper roll 1 is empty.
	Reload roll 1 after the printers stops printing.
Printer running Roll 2 empty	The paper roll 2 is empty.
	Reload roll 2 after the printers stops printing.
Job cancelled	The current print or copy job is cancelled
Close roll unit	The roll unit is open.
	Close the roll unit.

Status Messages (continued)

Status messages	Explanation
Sensor not free Remove paper Press <on-line>	The paper of one of the rolls is transferred after the marker (see 'Feed the material' on page 155) when power is applied to the printer. Take the paper back. Press <on-line>
Paper retracted Press <on-line>	Put the paper into the manual feed. Press <on-line>
Copy too short Remove paper Press <on-line>	The length of the print material is less than 420 mm. This can occur with the manual feed. Use an original longer than 420 mm.
Inputflap open Close inputflap	The input flap is open. Close the input flap.
Inputflap open Remove paper Press <on-line>	The input flap is open during the print process Remove the paper and press <on-line>.
Roll 1 empty Open roll unit	The paper on roll 1 is empty. Open the roll unit and replace it.
Roll 2 empty Open roll unit	The paper on roll 2 is empty. Open the roll unit and replace it.

Error messages

Error messages	Explanation
Copy too late Remove paper Press <on-line>	The copy is too late at the paperpath output sensor Remove the print material.
Speed failure Remove paper Press <on-line>	A paper jam occurred. Remove the paper jam and press <on-line>
Knife 1 error Remove paper Press <on-line>	An error occurred during the cut of the roll. Check the paper in the roll unit and remove if necessary. Press <on-line>.
Knife 2 error Remove paper Press <on-line>	An error occurred during the cut of the roll. Check the paper in the roll unit and remove if necessary. Press <on-line>.
Roll retract err Press <on-line>	Print material error when the roll unit takes back the material.

Error messages (continued)

Error messages	Explanation
Roll init error Open roll unit Press <on-line>	A sensor of the roll unit is activated when power is applied to the printer. Open the roll unit. Guide the paper to the marker (see 'Feed the material' on page 155). Press <on-line>
Input too late Open roll unit Press <on-line>	The input sheet is too late. Open the roll unit If necessary, withdraw roll and rewind Press <on-line>
Deposit error Press <on-line>	An error in the compact output stacker occurred. The compact output stacker stops. The print process continues. Press <on-line>.
Illegal language on controller using UK English Press <on-line>	The controller has an illegal language. The controller uses the English language instead of the selected language. Call service. Press <on-line>
Close roll unit Rewind paper Press <on-line>	While you printed, the roll unit opened. Rewind the paper. Close the roll unit. Press <on-line>

Menu structure of the printer

When you browse through the tree, the left items are displayed on top. The upper items are displayed first.

```
                                                          A0 (841x1189mm)
                                                          A1 (594x841mm)
                                                          A2 (420x594mm)
                                                          A3 (297x420mm)
                                                          B1+ (707x1000mm)
                                                          B2+ (500x707mm)
                                                          B1 (700x1000mm)
                                           Width          B2 (500x700mm)
                                                           E (34x44")
                                                           D (22x34")
                                                           C (17x22")
                                                           B (11x17")
                            Roll 1                         E+ (36x48")
                                                           D+ (24x36")
                                                           C+ (18x24")
                            Roll 2                         B+ (12x18")
                                                            30x42"

                                                          Paper 64g
       Media settings                                     Paper 75g
                                                          Transparent 75 g
                                           Material       Transparent 90 g
                                           Material       Transparent 110g
                                                            Vellum
                                                           Film 3.5
                            Manual feed                    Film 4.5
                                                           Translucent

                                           Time out       67 seconds

                            Cut media      Cutting....
                            Configuration  Printing....
       Print info           Menu card      Printing....
                            Demo print     Printing....

                                           UK English
                            Language       Nederlands
                                             more...
       Configuration
                                              DIN
                            Paper series   DIN CARTO
                                           ONLY 8.5"
                                           MIX 8.5/9"

                            Clear setmem   Yes
                                           No
       System      Enter
                   password
                            Diagnostic     Yes
                              mode
                                           No

                                                          Use DHCP      Yes
                                                           server
                                                                        No
                            Network sett.  adapter 1      IP address   123.456.789.123

                                                          Subnetmask   123.456.789.123

                                                          Default      123.456.789.123
                                                          gateway

                                                          Use DHCP      Yes
                                                           server
                                                                        No
                                          adapter 2       IP address   123.456.789.123

                                                          Subnetmask   123.456.789.123

                                                          Default      123.456.789.123
                                                          gateway

       Installation  Enter password   start install.
```

Installation Enter password   start install.
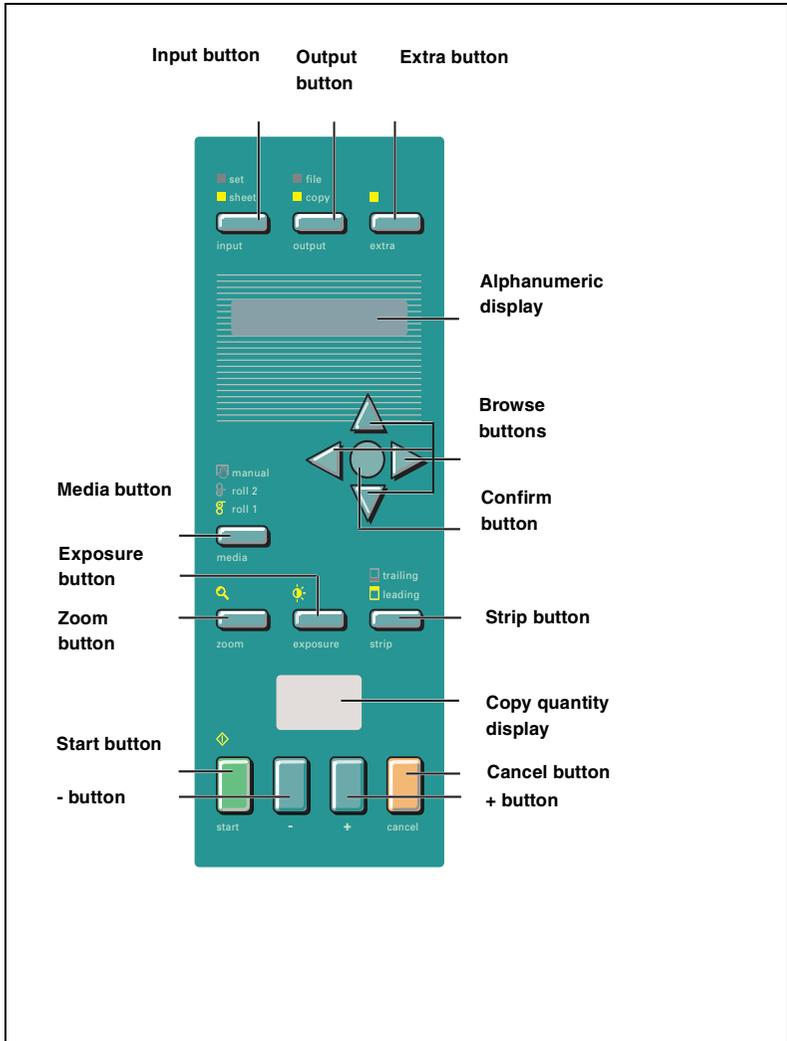
Chapter 3
Use the Océ TDS400 to copy

*This chapter contains a description how to copy with the
Océ TDS400.*

Scanner operator panel

Make the settings with the scanner operator panel. The display gives you the feedback and the available menu options.

[7] Scanner operator panel

The buttons

The input button   Select a single original or a set originals.

The output button   Select a copy or a file (scan to file) as your output.

The extra button   This button allows you to enter the 'extra' mode of the scanner and return to the normal mode. Set the properties for the original, the scanned files and for the scanner in the 'extra' mode.

The browse buttons (left ◀, right ▶)   Move in one level of the menu structure as the display shows. Browse the preset zoom values.

The browse buttons (up ▲, down ▼)   Move between the levels of the menu structure as the display shows. Adjust the zoom value with an accuracy of 1 percent.

The confirm button   Confirm the current setting in the menu structure. If you press the confirm button a second time in the current menu item, you restore the previous setting.

The strip button   Press this button to add or to remove a 'leading' or a 'trailing' strip. The icon flashes. Use the browse buttons (left ◀, right ▶, up ▲, down ▼) to **change** the value. The icon remains on if you press another settings button and select a different value than the default value.

The cancel button   Press this button one time to set the copy counter to the default value. Press this button twice to change all settings to their default values. The scan stops if you press this button.

The - and + buttons   Change the number of copies.

The start button ◇   Press the green start button ◇ to start the scan or to restart the copy process.

The zoom button   Enters the zoom mode. The icon flashes. Use the browse buttons (left ◀, right ▶) to browse the preset zoom values. Use the browse buttons (up ▲, down ▼) to adjust the zoom value with an accuracy of 1 percent.

The exposure button   enters the exposure mode. The icon flashes. Use the browse buttons to change the exposure value.

The media button   Select roll 1, roll 2 or manual feed. The equivalent icon is on.

The display

The display shows the feedback about the scan/copy job status (see table below) in normal mode. In off-line mode it shows the off-line menu (see page 64) and (see page 72))

.

Status messages	
Status Messages	Explanation
Scanner ready	The scanner is prepared to scan.
▢ + ◇ = add ◇ = close	Add an original to the set and press the start button ◇ . After the last scan of the set, remove the original and press the start button ◇ to close the set.
Connecting.....	There is no communication between the controller and the scanner. Wait until the there is communication.
Scanner asleep	The scanner is in low power mode.
Scanner running	The scanner scans.
Please wait	The scanner downloads the languages.
Remove original Press <cancel>	There is an original on the table while you turn on the scanner. The message appears if you pressed the 'cancel' button while you scan. Remove the original. Press cancel.
Original too long Press <cancel>	Use an original shorter than 15 meter.
Wrong orig. type Press <cancel>	This message shows when you select 'Background compensation' and 'Blueprint' as original. Press cancel.
Set closed	You closed the copy set.
Reset scanner	Turn the scanner on and off.

Menu level indicator

The menu level indicator indicates the current position in the menu. Press the 'Previous' button to scroll through the menu.
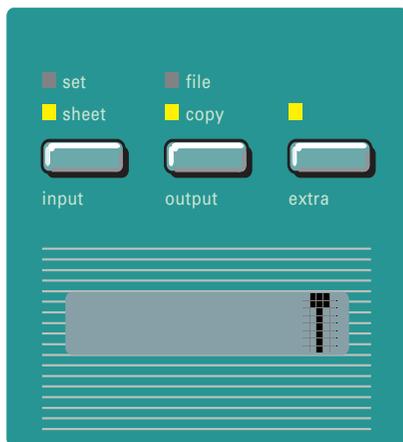
[8] Menu level indicator on the scanner operator panel

Copy jobs

Your printer system has a 1 roll or 2 roll unit. Use the 'media' button, on the scanner operator panel, to select a roll, or to select the manual feed on the printer.

Note: *You must set the media type on the printer.*

You can make 1:1 copies and you can decrease or increase your original from 25% to 400%. You can set the zoom value in fixed steps or in% steps. The default zoom is set in the Settings Editor.

The Océ TDS400 cuts the paper to the length of the original, the synchro cut. If you select the standard cut mode, the copy is cut at a standard length, (see 'Set synchro or standard cut' on page 59).

The automatic exposure gives background-free copies from most line-drawings. Select the correct original type if you have an extremely dark or light original, or an original with pasted parts or photographs (see 'The exposure settings' on page 54).

With the Océ TDS400 Copier you can do a number of basic tasks. These tasks include:
- Turn on, turn off the scanner
- Make copies
- Select the required media
- Select the manual feed
- Specify the zoom factor
- Select the exposure setting
- Select to add or remove a strip
- Select the input mode
- Select the output mode
- Select extra settings
- Deliver originals after scanning
- Define settings for the next original
- Select autofeed of the original
- Stop a copy job

You can also do a number of special copy jobs. These special copy jobs include:

■ Copy non standard size originals
■ Define the copy size
■ Define image quality: Optimisation for line/text/photo or blueprint mode
■ Background compensation for line/text/photo or blueprint mode
■ Edit function: mirror

Turn on and turn off the Océ TDS400 scanner

To turn on the system:

■ turn on the scanner.
■ turn on the printer (see page 25).
■ turn on the controller (see page 26).

When you turn on the system, it is ready for operation. In this state, the machine is in the stand-by mode. There is no need to turn it off after each copy job. You can leave the system turned on for the rest of the day. At all times, the Océ TDS400 is ready to use.

If the system is not in use for more than 1 minute, the operator panel returns automatically to the stand-by mode. The operator panel of the scanner is activated in the following conditions:

■ you feed an original
■ a button on the operator panel is pressed

▼ **Turn on the scanner**

1 Set the ON/OFF switch at the rear of the scanner, to position '1' (see figure 9). If the power supply is connected, the green switch lights.
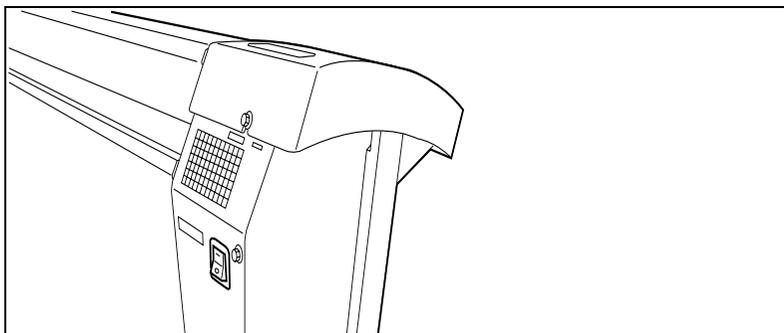
[9] On/off switch of the scanner

Note: *The system is ready to use. You can turn ON and OFF the scanner separate from the printer and without any particular order.*

▼ **Turn off the scanner**

1 Set the on/off switch at the rear of the scanner, to position '0' (see figure 9).

Start the copy process

If you press the 'start' button, and you do not change any settings, the settings of the previous copy job are used or the default settings of the machine are used:

■ number of copies 1
■ use roll 1
■ zoom 100%
■ synchro cut
■ no leading /trailing edge
■ auto exposure on; exposure setting 0.

Default settings are used in the following situations:

■ after turn on
■ after you press 'cancel' twice
■ after a time-out of 1 minute (since the end of previous copy job has expired).

If the 'start' button is pressed the original will be scanned. The original returns to the operator if you have enabled the rewind function (see page 56). You can make settings for the next job.

When the original returns, remove the original. A new original can be fed and you can program new settings.

Make copies

The copying process starts when you press the 'start' button. Before you press the 'start' button, you can change the settings.

▼ **Feed the original**

1 Insert the original face down and right aligned, along the original guide line on the scanner feed table so that you can see the line (see figure 10).
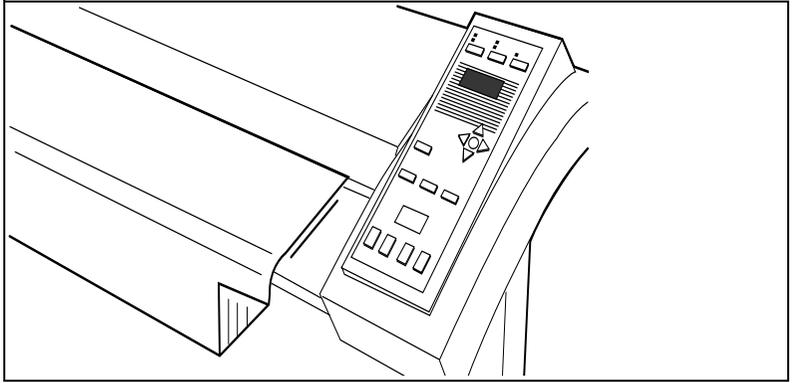
[10] Insert the original

The original will be transported about 1 centimetre to a defined position.

2 Specify the number of copies with the '+' or '-' buttons.
3 Press the 'media' button to select a roll or to select 'manual feed'.
4 Press the 'input' button to specify how a job is sorted: 'sheet' (output 1-1, 2-2, 3-3, or 'set' (output 1-2-3, 1-2-3).
5 Press the 'zoom' button to specify a reduction or an enlargement factor, if needed.
6 Press the 'exposure' button to correct for a lighter or darker original, if needed.
7 Press the 'strip' button to add or remove a strip, if needed.
8 Press the green 'start' button to start the copy job. The original is fed into the scanner. The printer starts.
9 Collect your output.

If you make a copy within the time-out of 1 minute, the machine will use the settings of the previous copy job.

Number of copies

To have multiple copies from one original, enter the number of copies on the scanner operator panel. The original is scanned just once and the required number of copies are processed.

Refer to 'Product specifications Océ TDS400' on page 175 for the limitation of multiple copy jobs.

▼ **Select the number of copies**

1 Enter the number of copies (1 upto 99) with the '+' or '-' button on the scanner operator panel.
The display shows the number of copies.

Select the use of roll 1 or roll 2 or manual feed

You can select between two rolls or manual feed with the 'media' button. When a roll is selected, the copy material is taken from the selected roll.

Note: *Only use paper as specified in 'List of available material types and sizes' on page 180.*

▼ **Select roll 1, roll 2**

1 Press the 'media' button until the indicator that matches your selection lights.
2 Enter the media width if you have selected 'Manual feed' (see 'Media type and size on the printer' on page 27).
3 Set the correct media type settings (see 'Set the media type settings' on page 28).
4 Press the confirm button.

Select the input mode

You can use the 'Input' setting to indicate how a job is sorted: the 'sheet' option prepares each sheet as a separate job (see figure 11).

Select 'set' to keep the copies together and to prevent the interruption with a print job. 'set' makes a copy for each sheet in a set and continues with the next copy of the complete set (see figure 11).

```
Print 3 copies of a 3 - page document


        page 3                          page 3
        page 3                          page 2
        page 3                          page 1
        page 2                          page 3
        page 2                          page 2
        page 2                          page 1
        page 1                          page 3
        page 1                          page 2
        page 1                          page 1

Output with the input mode 'sheet'    Output with the input mode 'set'.
```
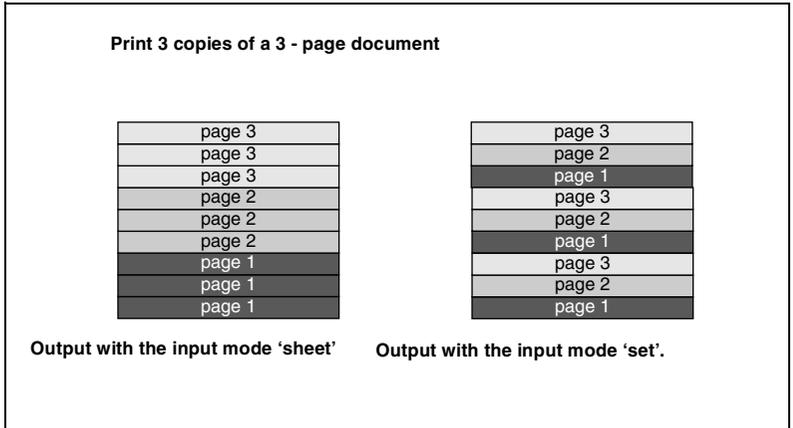
[11] Difference between the 'sheet' option and the 'set' option

▼ **Select the input mode**

1 Press the 'input' button to select the input mode 'sheet' or 'set'.
The selected indicator lights.

To copy sets

Use the input mode 'set' to copy sets of originals. The originals will be scanned sheet by sheet and the image information will be stored in memory. When you press the start button to close the set the printer prints the output.

▼ **How to copy sets**

1 Press the 'input' button to select the input mode 'set'.
2 Insert an original.
3 Add the originals to the set and press the start button ◇ .
4 After the last scan of the set, remove the original and press the start button ◇ to close the set.

Specify the zoom factor

With the Océ TDS400 you can reduce or enlarge your original from 25% to 400%. Press the 'zoom' button to enter the zoom mode. You can select the zoom factor by means of the browse buttons when the indication flashes.

Choose between the fixed step zoom mode by means of the right and left browse buttons. In fixed steps mode 8 pre-set zoom settings are available. Choose the % zoom mode by means of the up and down browse buttons.

Note: *You can configure the fixed zoom steps in the Settings Editor. Also refer to 'Summary of standard zoom formats' on page 183.*

▼ **Select the zoom factor with pre-set zoom steps**

1 Press the 'zoom' button. The indicator flashes.
2 Specify the zoom ratio with the ◄ or ► button.

The display shows the selected ratio. If you make the adjustments with this button, one of the indications above the button flashes. If the adjustment is different from the default setting, the indication lights.

▼ **Select the zoom factor with 1% zoom steps**

1 Press the 'zoom' button. The indicator flashes.
2 Specify the zoom ratio with the ▲ or ▼ button.

The display shows the selected ratio. If you make adjustments with this button, one of the indications above the button flashes. If the adjustment is different from the default setting, the indication lights.

The exposure settings

You can modify the exposure quality to improve the image quality. To modify the exposure you can choose between:

- use of the lighter and darker buttons
- enable or disable automatic background compensation
- adjust the Océ Image Logic® based on the original type you want to copy

The default exposure settings makes background-free copies of most line drawings. The automatic background compensation is activated. The background is measured when you scan an original. The result of some originals can not match your requirements.

When you copy very light or dark originals, or originals with unequal background density, the result can not meet your requirements (e.g. too much background).

Default the automatic background compensation is active and the exposure level is 0.

The automatic background compensation will provide a good quality copy from a large variety of originals. The automatic background compensation setting, which is switched on (by default), ensures the production of background-free copies of most line drawings.

▼   **Adjust the exposure setting**
1 Press the 'Exposure' button.
2 Select the needed exposure value with the ◀ or ▶ button.

▼   **Set the automatic background compensation**
1 Press the 'extra' button.
2 Select 'Original' with the ◀ or ▶ button.
3 Press the ▼ button to enter the 'Original' menu.
4 Select 'Background comp.' with the ◀ or ▶ button.
5 Press the ▼ button to enter the 'Background comp. menu.
6 Select 'on'or 'off' with the ◀ or ▶ button.
7 Press the confirm button.

The Océ TDS400 Copier allows you to adjust the exposure setting according to the type of image on the original. There are three original types available:
■ Lines/text
■ Photo
■ Blueprint

By default 'Lines/text' is selected with the background compensation enabled. This is the best setting for originals with characters and line art.
■ Select 'Photo' when the original consists of a combination of characters, line art and picture images.
Note: *If you select 'Photo', the 'Background compensation' will be switched off automatically.*
■ Select 'Blue print' when you want to copy an original with an image in negative (image in white on dark background). The copy will be positive (image in black on white background).

▼   **Improve the copy quality according to the type of image**
1 Press the 'extra' button.
2 Select 'Original type' with the ◀ or ▶ button.
3 Press the ▼ button to enter the 'Original type' menu.
4 Select 'Lines/text', 'Blueprint' or 'Photo' with the ◀ or ▶ button.

5 Press the ▼ button to enter the 'Lines/text', 'Blueprint' or 'Photo' menu.

6 Select the needed original type.

7 Press the confirm button.

Deliver originals after scanning

You can choose for delivery of the original at the front (rewind) or the rear side of the scanner. Use the output at the rear side of the scanner if your originals are:

■ thick

■ very thin

■ damaged

■ in a carrier sheet.

The rewind setting will return to default when,

■ the 'cancel' button is pressed,

■ the panel time out has exceeded.

▼ **Enable the rewind function**

1 Press the 'extra' button.

2 Select 'Scanner' with the ◀ or ▶ button.

3 Press the ▼ button, to enter the 'Scanner' menu.

4 Select 'Rewind original' with the ◀ or ▶ button.

5 Press the ▼ button, to enter the 'Rewind original' menu.

6 Select 'on' or 'off' with the ◀ or ▶ button.

7 Press the 'confirm' button.

Enable automatic feed of the original

To increase the productivity enable Automatic feed, no need to press the 'start' button, except for the first original. If you disable automatic feed you must press the 'start' button.

▼ **To enable automatic feed**

1 Press the 'extra' button.

2 Select 'Scanner' with the ◀ or ▶ button.

3 Press the ▼ button, to enter the 'Scanner' menu.

4 Select 'Autofeed orig.' with the ◀ or ▶ button.

5 Press the ▼ button, to enter the 'Autofeed orig.' menu.

6 Select 'on' or 'off' with the ◀ or ▶ button.

7 Press the 'confirm' button.

Define settings for the next original

For each original you need to copy you can specify new settings.

▼ **Define settings for the next copy job**

1 Select all the needed settings for the next original.

2 Insert the next original.

Copy on pre-cut sheets

If you copy a job on a media type and/or size that is not available on one of the paper rolls, you can manually feed sheets instead of reloading paper rolls. You can insert pre-cut copy material in this slot, one sheet at a time. To set the time out for manual feed refer to 'Set the time-out for manual feed' on page 58.

▼ **Copy on pre-cut sheets**

1 Enter the type of the copy material on the printer operator panel.

2 Press the 'media' button to select 'manual feed'. The indicator lights.
Note: *The minimum length of the print material must be 420 mm.*
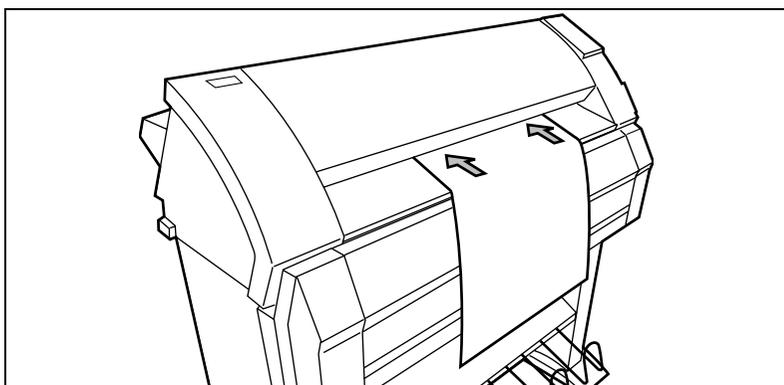
[12] Manual feed

3 Enter the number of copies.

4 Select the copy size.

5 Feed the original.

6 Press the 'start' button ◇ .

7 Take your sheet of copy material to the side of the printer that contains the sheet feed (see figure 12).

8 Align the copy material with your hands to the format indication and the label on the manual feed table.

9 Move the copy material forward in the cut of the roller. A paper bulge must appear over the full width of the page.

10 Hold the paper with your hands until the printer pulls in the first part of the sheet.

The bulge decreases or disappears. After a few seconds, the printer pulls the complete sheet.

Note: *If the copy job requires more sheets, the display indicates to feed the next sheet.*

11 Repeat the steps 7 to 10 to complete the job.

12 Collect your output.

Note: *The printer prints the image on the side of the sheet which is facing up.*

Attention: *When you feed a sheet of material in the manual feed while a normal print job runs, a media jam can occur.*

▼ **Set the time-out for manual feed**

Default is 60 seconds.

1 Press 'on line' on the printer operator panel, to enter the main menu.

2 Select the 'media settings' item with the ◀ or ▶ button.

3 Press 'next/select' to enter the 'media settings' menu.

4 Select 'manual feed' with the ◀ or ▶ button.

5 Press 'next/select' to enter the 'manual feed' menu.

6 Select the 'time out' with the ◀ or ▶ button.

7 Press 'next/select' to enter the 'time out' menu.

8 Select the desired timeout with the ◀ or ▶ button.

9 Press 'next/select' to confirm the selected timeout.

10 Press 'on line' to leave the main menu.

Stop a copy job

Press the 'cancel' button to interrupt the original transport.

▼ **Stop a job**

1 Press the 'cancel' button.
   The original transport is stopped.
2 The message 'Remove original', 'Press cancel' appears on the scanner display.
3 Open the scanner cover and remove the original.
4 Close the cover.
5 Press the 'cancel' button. The message disappears on the scanner display.

Set synchro or standard cut

In synchro cut mode, the copy is cut at the length of the original. The length depends on the zoom factor and the leading or trailing strip setting. The default is Synchro cut mode.

In standard cut mode, the copy is cut at a standard format length (portrait). You select the length of the standard format with the browse buttons.
Example: select 36 inches, means select a format of 36 inches width and a corresponding 48 inches length. Independent of the roll width, the material is cut at a length of 48 inches.

When you select standard cut, the system always cuts at the selected length. If the original length is shorter or longer than the selected length, the cut is made at the selected length.

▼ **Select synchrone cut**

1 Press the 'extra' button.
2 Select 'Paper copy' with the ◀ or ▶ button.
3 Press ▼ button, to enter the 'Paper copy' menu.
4 Select 'cut length' with the ◀ or ▶ button.
5 Press ▼ button, to enter the 'cut length' menu.
6 Select 'on' or 'off' with the ◀ or ▶ button.
7 Press the 'confirm' button.

▼   **Select standard cut**

1 Press the 'extra' button.
2 Select 'Paper copy' with the ◄ or ► button.
3 Press ▼ button, to enter the 'Paper copy' menu.
4 Select 'cut length' with the ◄ or ► button.
5 Press ▼ button, to enter the 'cut length' menu.
6 Select a standard paper format with the ◄ or ► button.
7 Press the 'confirm' button.

Adjust the leading or the trailing strip

To increase the copy length to accommodate for a filing strip select a positive leading or trailing strip.

If you do not want the filing strip to show on the copy, select a negative leading or trailing strip. The adjustment steps are indicated on the operator panel, expressed in millimetres or 0.1 inches.

▼   **Adjust the leading or the trailing strip**

1 Press the 'strip' button to toggle between 'leading' and 'trailing' strip.
2 Select a positive or negative value in steps of 10 mm with the ◄ or ► button.
3 Select a positive or negative value in steps of 1 mm with the ▼ or ▲ button.

The length of the selected strip is shown in the display. If the adjustment differs from the default setting, the indication lights.

Attention: *If you make the strip larger than the strip on the original, you can loose information.*

See the figures on the next pages to make a difference between rolls and manual feed, when you adjust the strips.

Leading/trailing strip when you use rolls of paper
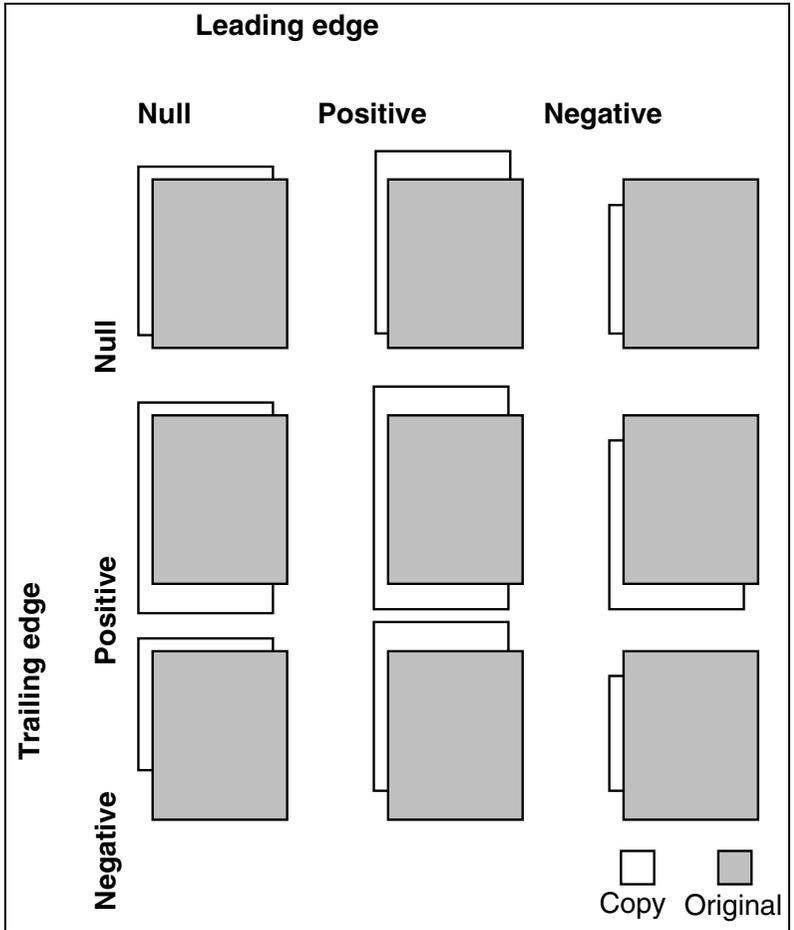
[13] Use of rolls

Leading/trailing strip when you use pre-cut sheets of paper

[14] Use pre-cut sheets

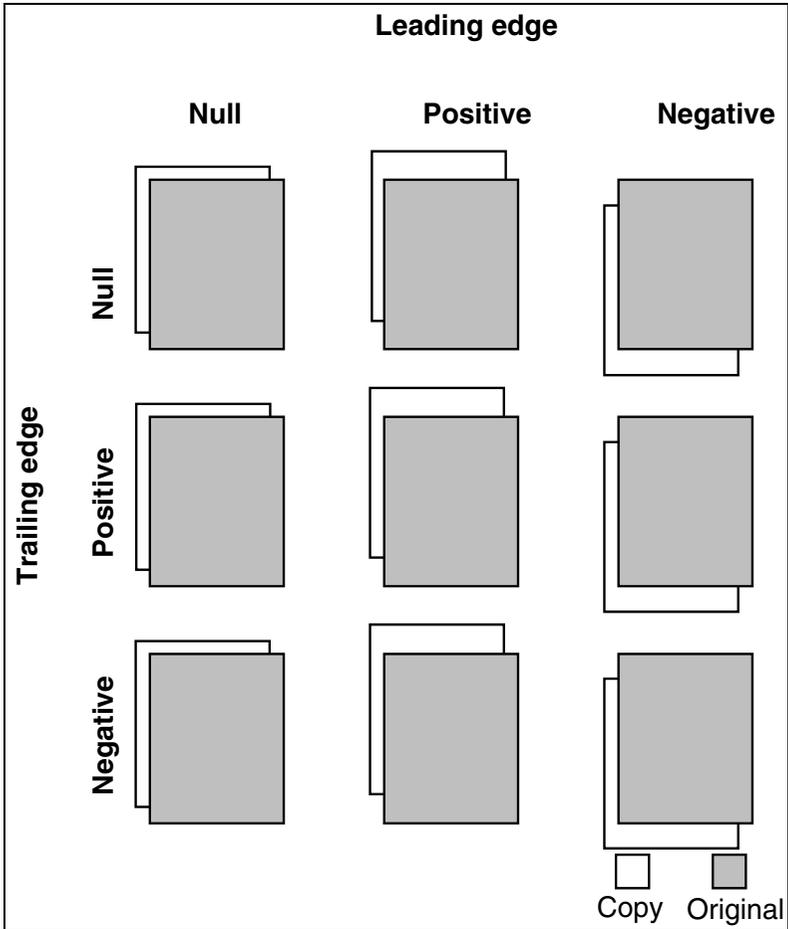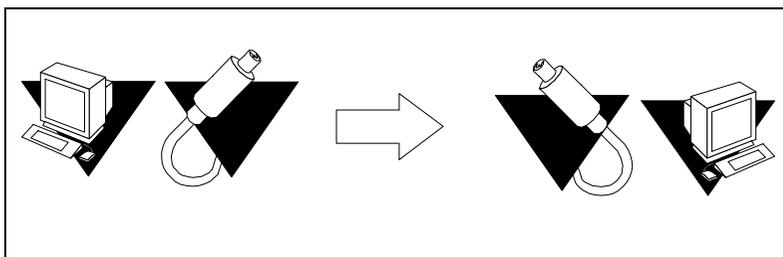# Mirror-image copies

You can make a mirror-image copy of an original, as shown in the next figure:

[15] Example of a mirror-image copy

▼ **To make a mirror-image copy**

1 Press the 'extra' button.
2 Select 'Paper copy' with the ◀ or ▶ button.
3 Press the ▼ button to enter the 'Paper copy' menu.
4 Select 'Mirror' with the ◀ or ▶ button.
5 Press the ▼ button to enter the 'Mirror' menu.
6 Select 'on' or 'off with the ◀ or ▶ button.
7 Press the confirm button.

Release original

For originals on thinner types of media it will be you can enable Release original. With Release original enabled the original will be fully released after it is scanned.

1 Press the 'extra' button.
2 Select 'Scanner' with the ◀ or ▶ button.
3 Press the ▼ button to enter the 'Scanner' menu.
4 Select 'Release orig.'with the ◀ or ▶ button.
5 Press the ▼ button to enter the 'Poster mode' menu
6 Select 'on'or 'off'with the ◀ or ▶ button.
7 Press the confirm button.
8 Make other settings if required.
9 Feed the original.
10 Press the 'start' button.
The original is fully released after the scanner has completed its scan run.

Menu structure of the scanner

		Lines/text
	Original type	Blueprint
Original		Photo
	Background comp.	on
		off
		Synchrone cut
		Standard cut
		A0 (841x1189mm)
		A1 (594x841mm)
		A2 (420x594mm)
		A3 (297x420mm)
		E (34x44")
		D (22x34")
		C (17x22")
	Cut length	B (11x17")
		E+ (36x48")
Paper copy		D+ (24x36")
		C+ (18x24")
		B+ (12x18")
		30"x42"
		B1+ (707x1000mm)
		B2+ (500x707mm)
		B2 (500x700mm)
	Mirror	on
		off
	Rewind original	on
		off
	Autofeed orig.	on
		off
	Release orig.	on
		off
Scanner		UK English
	Language	Nederlands
		more...
	Print menu chart	**Printing...**

Chapter 4
Use the Océ TDS400 to Scan

This chapter describes how to use Océ Scan Logic® with the Océ TDS400.

Introduction

'Océ Scan Logic®' is an option which enables you to scan a document and send it to a specific directory on the network. It makes full use of Océ Image Logic®, a quality enhancement technology. Enable Océ Scan Logic® through a password in the settings editor. A graphical user interface is supplied with the 'Océ Scan Logic®' option.

You scan in order to:
- Use the documents again
- Archive the documents
- E-mail the documents
- Prints the documents at a later time

A scan is made at the Océ TDS400 scanner. On the scanner operator panel, you select the resolution and the destination of the scan.

You can store a generated file on the controller (temporary store) or move the scan towards a network destination.

With Océ View Station (LT) you can see the scanned documents later. Océ View Station (LT) comes with the Scan Manager application.

Note: *The optional Graphical User Interface (GUI) on the controller and a memory configuration of 256 Mb are required to use Océ Scan Logic®.*

Make a scan

To scan an original to file is an easy operation. If the settings (see 'Settings to scan' on page 68) are correct, you must press the start button ◇ on the scanner operator panel.

▼ **How to make a scan**

1 Place your original face-down, right aligned along the original guide.
2 Select the appropriate original type.
3 Press the 'Output' button to select 'File'.
4 Select a Destination (see 'Destinations' on page 76).
5 Press the start button ◇ .
   The original is scanned.
   Note: *Select auto-feed on/off, rewind original on/off, and release paper on/off in the 'scanner' menu on the scanner panel (see 'Menu structure Océ TDS400 Scanner' on page 72). When release paper is enabled, the original will be fully released after it is scanned.*
6 On the controller, Océ View Station starts, to show the result of the scan (see figure 16).
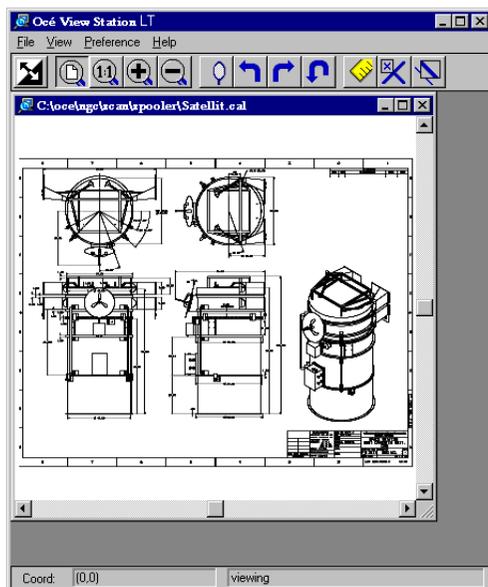
[16] Océ View Station

Settings to scan

Press the 'Extra' button on the scanner operator panel to access the settings to make a scan. The following options are available in the 'File' menu:

Destination You can store your scan either in the temporary storage on the controller or you can store it on a network destination. You can define a maximum of six destinations in the Scan Manager application. You can select one of these destinations on the scanner operator panel.

Check print A Check print is a print from the scanned original. You can turn the check print on or off.

File resolution The Océ TDS400 Scan Logic® option can scan three resolutions: 200, 300 or 400 dots per inch (DPI). The higher the resolution, the better the image quality. Higher resolution also causes larger sizes of files.

File format To define the internal order of the scanned files, select between TIFF (Tagged Image File Format), CALS-I (Continuous Acquisition and Life Cycle support), or PDF (Portable Document Format).

Optimise size Select this option to decrease the size of the file or to get good quality.

Set the scan size In the 'Original' menu.

Destination

You can store your scan either in the temporary store on the controller or on a network destination. You can define up to six destinations in the Scan Manager application. On the scanner operator panel you can choose one of these destinations.

▼   **Select a destination**

1 Press the 'extra' button.
2 Select 'Destination' with he ◀ or ▶ button.
3 Press the ▼ button, to enter the 'Destination' menu.
4 Select the needed 'Destination' with he ◀ or ▶ button.
5 Press the confirm button.

Note: *The names of the destinations can be any. However, for your convenience, you are able to define understandable nicknames in the Scan Manager application (see 'Create a destination' on page 76).*

Check print

A check print is a print from the scanned original. You can turn check print on or off.

▼ **Select check print**

1 Press the 'output' button to select 'file'.
2 Press the 'extra' button.
3 Select 'check print' with he ◀ or ▶ button.
4 Press the ▼ button, to enter the 'check print' menu.
5 Select 'on' or 'off' with he ◀ or ▶ button.
6 Press the confirm button.

Resolution

The Océ TDS400 Scan Logic® option can scan three resolutions:
- 200 dots per inch (dpi)
- 300 dpi
- 400 dpi

To reach the best print quality on the Océ TDS400 select 300 dpi.

▼ **Select the resolution**

1 Press the 'output' button to select 'file'.
2 Press the 'extra' button.
3 Select 'File resolution' with he ◀ or ▶ button.
4 Press the ▼ button, to enter the 'File resolution' menu.
5 Select the needed resolution with he ◀ or ▶ button.
6 Press the confirm button.

File format

To define the internal order of the scanned files, select between TIFF (Tagged Image File Format), CALS-I (Continuous Acquisition and Life Cycle support), or PDF (Portable Document Format).

Within the 'Tiff format' option, you can define 9 different Tiff subformats. The 'Organization' and 'Compression' of the file are determined by the Tiff subformat you select.

Organization
- Stripped
- Tiled
- Raw

Note: *Select 'Stripped' or 'Tiled' when you can use these organizations later. Select 'Raw' in another case.*

Compression
- Group 4
- Group 3-1D
- None

Note: *Select 'Group 4' or 'Group 3-1D' when you can use these compressions later. Choose 'None' in another case.*

Note: *'Group 4' or 'Group 3-1D' are compression methods which are best for text and vector drawings. If you select these compressions to scan a photo with many grey scales these compressions can cause a negative compression: the file size increases instead of decreases.*

▼   **Select file format**
1 Press the 'output' button to select 'file'.
2 Press the 'extra' button.
3 Select 'File format' with the ◀ or ▶ button.
4 Press the ▼ button, to enter the 'File format' menu.
5 Select the required format or subformat with the ◀ or ▶ button.
6 Press the confirm button.

Optimisation

You can turn File size optimisation' or 'off'. If you select 'on' the file size is smaller, the scan quality will be less.

▼ **Select optimise size**

1 Press the 'output' button to select 'file'.
2 Press the 'extra' button.
3 Select 'Optimise size' with he ◀ or ▶ button.
4 Press the ▼ button, to enter the 'Optimise size' menu.
5 Select 'on' or 'off' with he ◀ or ▶ button.

Menu structure Océ TDS400 Scanner

Original	Scan size	Standard size	w=A0 l=synch	l=	synch
			w=A1 l=synch		A0
			w=A2 l=synch		
			w=A3 l=synch		
			w=A4 l=synch		
			w=34" l=synch		
			w=22" l=synch		
			w=17" l=synch		
			w=11" l=synch		
			w=8.5" l=synch		
			w=36" l=synch		
			w=24" l=synch		
			w=18" l=synch		
			w=12" l=synch		
			w=9" l=synch		
			w=30" l=synch		
			w=B1 l=synch		
			w=B2 l=synch		
			w=B1+ l=synch		
			w=B2+ l=synch		
		Custom width	w=123mm l=synch		
		Custom size	w=123mm l=12.3"		
	Original type	Lines/text			
		Blueprint			
		Photo			
	Background comp.	on			
		off			

File	Destination	Destination 1
		Destination 2
		Destination 3
		Destination 4
		Destination 5
		Destination 6
	Check print	on
		off
	File resolution	200 dpi
		300 dpi
		400 dpi
	File format	TIFF G3 RAW
		TIFF G3 strip
		TIFF G3 tiled
		TIFF G4 RAW
		TIFF G4 strip
		TIFF G4 tiled
		TIFF unc. RAW
		TIFF unc. strip
		TIFF unc. tiled
		CALS
		PDF unc.
		PDF G4
	Optimize size	on
		off

Scanner	Rewind original	on
		off
	Autofeed orig.	on
		off
	Release orig.	on
		off
	Language	UK English
		Nederlands
		more...
	Print menu chart	Printing...

Scan Manager

The Scan Manager is an application available local on the controller. With the Scan Manager you can configure the destinations for scan logic. To increase your productivity you can define automatic file naming. This way you can do batch scans without operating the controller.

During scanning, Scan Manager displays the filename and the status of the file generation process. When the scan is completed a view of the scanned image is automatically displayed on the controller.

Figure 17 shows an example of the Scan Manager application. The left part displays a tree view containing folders containing destinations. The right part displays a table view containing the content of the folder currently selected.
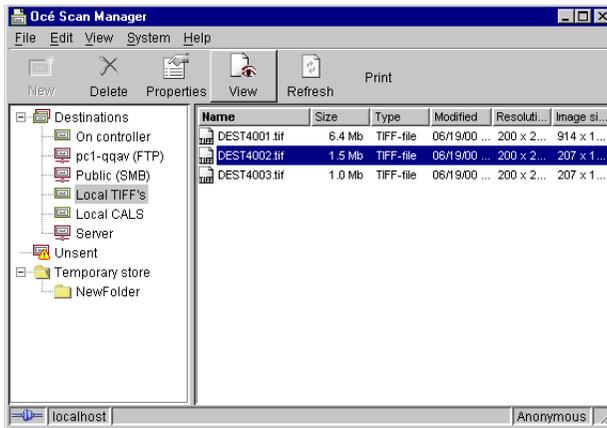
[17] Overview of the Scan Manager application

Note: *Not all options are available to all users. You must log into a particular user mode to do specific tasks with Scan Manager (see 'Océ TDS400 users' on page 17).*

Tree view

The tree view displays:
- the system name
- the collapsible destination tree
- the collapsible temporary store tree.

If you scan to a particular destination, that destination is displayed bold and the corresponding icon changes. The destination you scanned last to, is displayed bold.

If for any reason a scan can not be sent to the correct remote destination, the file is stored in the 'Unsent' folder.

Table view

The table view (on the right side of figure 17 on page 73) displays the filenames of the files in the opened destination or temporary folder.

Each file has the following information:
- Name
- Size
- Type
- Modified
- Resolution
- Image size.

If the currently viewed destination is the one you are scanning to, then the scanned file appears at the end of the table. If you currently view another destination than the one you are scanning to, then the scanned to destination is displayed bold.

It is possible that there are more files in the table than fit on screen. The most recent scanned file appears at the end of the table. Under these circumstances it is possible that your most recent scanned file is not visible in the table on screen. In this case you can update the table view.

▼　**Update the table view**

1 From the 'View' menu select 'Refresh' or click the 'Refresh' button on the toolbar (see figure 18). If the opened destination is also the one which is currently scanned to, then the view is automatically updated.

Refresh

[18] 'Refresh' button on the toolbar

Actions from the Scan Manager

The Scan Manager enables you to make settings for Océ Scan Logic®. You can edit and view the destination properties. You can also view the properties of scanned files.

Destinations

A destination is a place where you scan your file to. You can create, delete and lock destinations. You can also define automatic filenaming to ensure your files get the desired names.

A destination can also be a file server or a PC of an end user. It is better to select remote destinations instead of the local ones. The local destinations are temporary and cannot contain a lot of scan files.
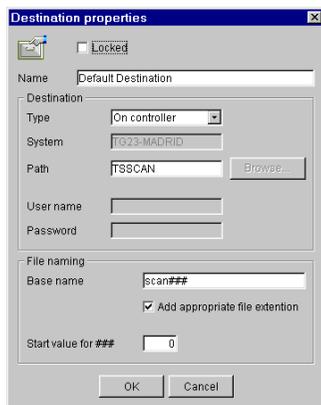
▼ **Create a destination**

1 Select 'Destinations' in the tree view.

2 From the 'File' menu select 'New' or click the 'New' button on the toolbar (see figure 19).

[19] 'New' button on the toolbar

The following dialogue box appears (see figure 20):

[20] 'Destination properties' window

3 Enter a name for the destination in the 'Name' text box. This name also appears on the scanner operator panel in the 'Destination' menu.

4 Select a destination type from the 'Type' drop-down list box.
Select between:
- File Transfer Protocol (FTP),
- Server Messages Block (SMB),
- local store in the temporary store on the controller.

5 Enter the name of the system you want to scan your files to in the 'System' text box.
Note: *Names in Japanese can only be entered for remote destinations in SMB.*

6 Enter a path of the target folder in the 'Path' text box, or click the 'Browse' button to select the path. The path selection is only available if you select 'On the controller' as 'Type'.

7 Enter, if needed, a user name for the network destination in the 'User name' textbox.

8 Enter, if needed, the correct password for the network destination in the 'Password' text box.

9 Click 'OK' to accept the destination properties.

Note: *You can create six destinations.*

A key operator can select if a destination can be modified by an anonymous user. This is done by locking and unlocking a destination.

▼ **Lock a destination**

1 Select a destination.

2 From the 'File' menu select 'Properties'.

3 Check the 'Locked' check box.

4 Click 'OK' to accept the destination settings.
The destination properties are now locked.
Note: *This option is only available if you are logged on as a Key operator (see chapter 9, 'Océ Print Exec® LT Web' on page 133).*

▼ **Unlock a destination**

1 Select a destination.

2 From the 'File' menu select 'Properties'.

3 Uncheck the 'Locked' check box.

4 Click 'OK' to accept the destination settings.
The destination properties are now unlocked.
Note: *This option is only available if you are logged on as a Key operator (see 'Océ Print Exec® LT Web' on page 133).*

▼ **Delete a destination**

1 Select a destination.

2 Open the 'File' menu and select 'Delete' or click the 'Delete' button on the toolbar (see figure 21).

[21] 'Delete' button on the toolbar

The selected destination is deleted.
Note: *This option is only available if you are logged on as a Key operator or as a Repro operator.*

Note: *You are not able to delete the last destination.*

▼ **Define file name**

1 Select a destination.

2 From the 'File' menu select 'Properties'.
The 'Destination properties' screen appears (see figure 20 on page 77).

3 Enter a name in the 'Base name' textbox.
Note: *The 'Base name' may contain '###' for automatic file naming. The '###' will be replaced by an ascending number. You may place as many dots in the 'Base name'.*

4 Check or uncheck the 'Add appropriate file extension' check box to add or respectively leave out an appropriate file extension. The file extension can be set in the Settings Editor.

5 Click 'OK' to accept the settings.

▼ **Set or Change destination properties**

1 Select a destination.

2 From the 'File' menu select 'Properties' or click the 'Properties' button on the toolbar (see figure 22).

[22] 'Properties' button on the toolbar

The 'Destination properties' screen appears as in figure 20 on page 77.

3 Change the destination properties as described in 'Create a destination' on page 76.

Scanned files

The right pane of the Scan Manager contains the scanned files and additional information about the files. You can view, print and delete these files. You can also view the file properties.

▼ **View a scanned file**

1 Select a file in the right pane.

2 From the 'File' menu select 'View' or click the 'View' button on the toolbar (see figure 23).

[23] 'View' button on the toolbar

Océ View Station (see 'Océ View Station (LT)' on page 84) starts and displays the file.

Note: *When you make a scan Océ View Station starts automatically, and shows the result of the scan.*

▼ **Print a scanned file**

1 Select a file in the right pane.

2 From the 'File' menu select 'Print' or click the 'Print' button on the toolbar (see figure 24).

[24] 'Print' button on the toolbar

The selected file will be printed with the default settings as defined in the
Settings Editor.

▼ **Delete a scanned file**

1 Select a file in the right pane.
2 From the 'File' menu select 'Delete' or click the 'Delete' button on the toolbar
(see figure 25).

✕
Delete

[25] 'Delete' button on the toolbar.

The selected file will be deleted.
Note: *This option is only available if you are logged on as a Key operator
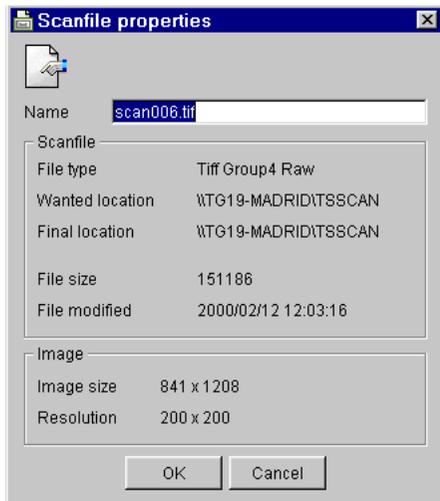or as a Repro operator.*

▼ **View properties of a scanned file**

1 Select a file in the right pane.
2 From the 'File' menu select 'Properties' or click the 'Properties' button on the
toolbar (see figure 26).

Properties

[26] 'Properties' button on the toolbar.

The following window appears (see ''Scanfile properties' window' on
page 81):

[27] 'Scanfile properties' window

3 Click 'OK' to close the 'Scanfile properties' window.

▼ **Automatically view a file after scanning**

You can choose to view a file automatically after scanning:

1 From the 'System' menu select 'Auto view'.

When you scan, Océ View Station starts automatically and show the scanned file.

Manage the temporary store

When you normally scan the originals to a file, many files are created in the temporary store. You can clean the temporary store:

■ manual: from the 'System' menu select the 'Purge' command.

■ automatic: you must make some settings in the Océ TDS400 Settings Editor.

How to retrieve scanned files?

When you scan your files will be stored in the destination you set. This can be on the local controller or on a remote system. You can retrieve your files from the local host via File Transfer Protocol (FTP) (see figure 28). Also if during scanning to a remote destination, something goes wrong, you can retrieve your files from the local host.
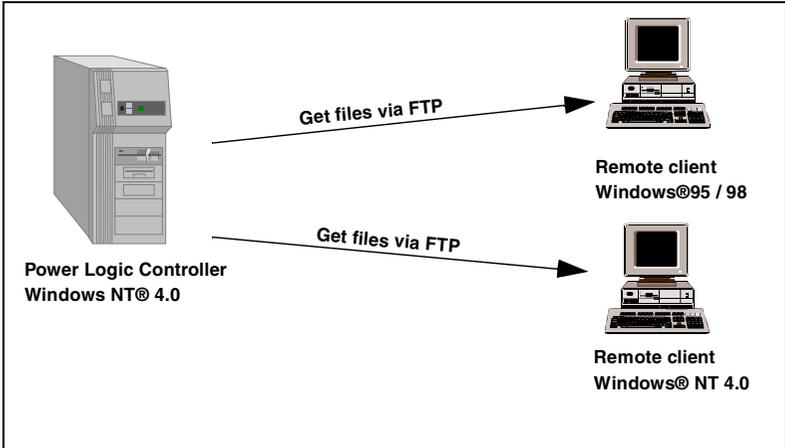

[28] How to retrieve scan files?

Get files via FTP

1 Launch an FTP client.

2 Enter the 'ftp' command.
A DOS box now appears with the FTP prompt.

3 Enter the 'Open' command followed by either the registered name of the Océ Power Logic® Controller or the IP address (for example: 194.2.66.146) to connect to the NGC and press Enter: 'open 194.2.66.146'.
Note: *Instead of performing steps 2 and 3 you could also enter "ftp host_name" in the FTP client.*
The connection with the NGC is now established and a window appears asking you for a user name.

4 Enter your user name 'anonymous', and enter as your password also 'anonymous'.
A connection is now set up for the default user 'anonymous'.
Note: *As there is no registered user, you can press Enter to initiate the connection.*

5 Set the transmission mode to binary by entering 'binary'.

6 Go to the 'tempstore' directory using the following command: 'cd tempstore\'.

7 Go to the 'scan' directory if you want to retrieve a file from a destination on the local host,
or
go to the 'unsent' directory if you want to retrieve a file from 'unsent' folder on the local host.

8 Get the data file (for example: bugatti.tif) via the 'get' command:
'get bugatti.tif'.

9 Quit FTP by entering the 'bye' command.

Océ View Station (LT)

With Océ View Station (LT) you can view your scanned files. This can be automatically (see 'Automatically view a file after scanning' on page 81) after scanning or via Scan Manager (see 'Print a scanned file' on page 79).

Océ View Station has the following menu's (see figure 29):
■ File
■ View
■ Preference
■ Help
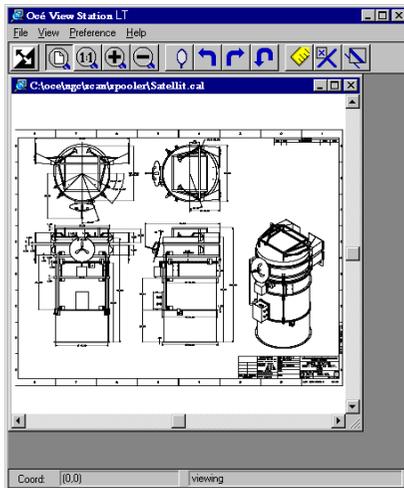
[29] Océ View Station

Menu options

File menu	
Command	What does it do?
Close	Closes the active document
Properties	Provides technical information about, and allows you to change certain properties of the document.

View menu	
Command	What does it do?
Fit	Scales the image to fill the window.
1:1	Displays the image at a 1:1 scale factor.
Magnify	Zooms into the page.
Reduce	Zooms out of the page.
Refresh	Redraws all windows displaying the active document.
Invert	Reverses the black and white parts of the image.
Mirror	Mirrors the image.
Rotate 90 CCW	Rotates the image 90 degrees counter-clockwise.
Rotate 90 CW	Rotates the image 90 degrees clockwise.
Rotate 180	Rotates the image 180 degrees.
Sample	When active, displays only a sample of bilevel raster pixels.
Negate	Reverses the raster image pixels on display and changes which are dominant for scaling.
Scale to gray	When active, displays the active bilevel raster image as though it were a greyscale image.
Monochrome	An image or screen having only background and foreground colours. Same as black-and-white or bilevel.

| Preference menu	
Command	What does it do?
View ribbon	View Ribbon displays and removes the ribbon that contains buttons. The View Ribbon appears, by default, below the menu bar. It serves as a fast means of selecting some File, View, and Preference menu commands.
Status bar	Status Bar displays and removes the Status Bar at the bottom of the Océ View Station window. The Status Bar displays the pointer co-ordinates and a status line.

Preference menu (continued)	
Command	What does it do?
Reference	Reference displays or removes a small, usually floating window. This window displays the entire current page in miniature. The crossed box inside the Reference window indicates which part of the page is displayed in the document window. By moving or resizing the crossed box, you change which area of the page is displayed.
Detail	Displays or removes the Detail window.
Measurement	When active, allows you to measure lines and areas on the image.

Help menu	
Command	What does it do?
About	Shows information about Océ View Station.

Note: *You can retrieve help about Océ View Station via the Scan Manager.*

Function buttons

Below the menu's there are function buttons in a ribbon. This ribbon can be turned on and off (see 'View ribbon' on page 85).


1   2   3   4   5   6   7   8   9   10   11   12
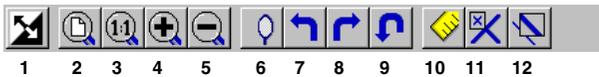
[30] Function buttons in Océ View Station

The above figure displays the buttons:

1 Invert: Reverses the black and white parts of the image.
2 Fit: Scales the image to fill the window.
3 1:1: Displays the image at a 1:1 scale factor.
4 Magnify: Zooms into the page.
5 Reduce: Zooms out of the page.
6 Mirror: Mirrors the image.
7 Rotate 90 CCW: Rotates the image 90 degrees counter-clockwise.
8 Rotate 90 CW: Rotates the image 90 degrees clockwise.
9 Rotate 180: Rotates the image 180 degrees.
10 Measurement When active, allows you to measure lines and areas on the image.
11 Reference. This small floating window displays the entire current page in miniature for reference.
12 Displays or removes the Detail window.

View error

When the memory is almost full it can occur that the viewer does not show the scanned file. Instead it shows a red border with a red cross (see figure 31).
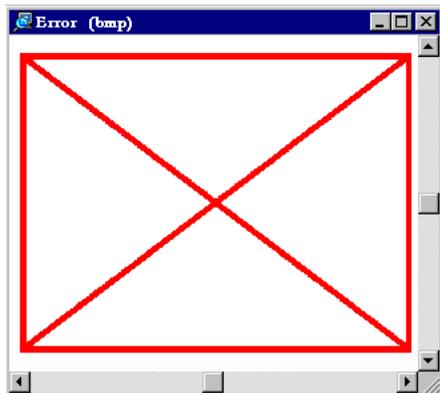
[31] Error view in Océ View Station

Chapter 5
Océ Power Logic®: The Settings Editor

This chapter gives information about the Settings Editor.
For details about specific settings, refer to the Help on the
Settings Editor.

Introduction

Use the Settings Editor to set the default settings of the Océ TDS400 according to your companies requirements. 2 types of users can determine settings in the Settings Editor, Key Operators and System Administrators. You can log in as either Key Operator or System Administrator. Key Operators and System Administrators have different rights to determine settings.

How to start up and shut down the controller

Take the following actions to start up the controller:

▼ **Start up the Océ controller**

1 Turn on the controller and the screen.
After the initial system test of the controller the applications, Queue Manager, System Control Panel, Settings Editor and Scan Manager are automatically started and the Océ TDS400 is ready for operation.
Note: *The Queue Manager and the System Control Panel applications are visible on the screen; however the Settings Editor is minimised, to save screen estate.*

Take the following actions to shut down the controller:

▼ **Shut down the Océ controller**

1 Go to the System Control Panel application.
2 Select the 'Shutdown' option from the 'System' menu.
3 Confirm shutdown by clicking on the 'Yes' button in the 'Shut down' window.
The system automatically performs the shutdown procedure for the controller. Finally, the Windows NT® 'Shutdown Computer' window appears, which informs you that you can turn off your computer.
Note: *You can now restart the controller by pressing the 'Restart' button.*
4 Turn off your computer and display.

Note: *The Océ TDS400 has a sleep mode. The sleep mode powers off almost all the power supplies after a certain time of inactivity.*

Settings Editor

The Settings Editor is one of the controller applications for the Océ TDS400. The Settings Editor allows users and operators to view settings of the system. If authorised, the settings of the system can be modified on the Settings Editor.

With the Settings Editor two groups of settings can be configured:
- Key Operator settings (KO settings)
  The Key Operator group allows authorised users to configure default settings for copy and print jobs, default off-line fold settings and scan to file options. With the Key Operator settings also the printer, system and scanner defaults can be set or modified. A subset of the Key Operator settings are the Repro Operator settings. The Repro Operator has no rights to change settings in the Settings Editor. In the Queue Manager and the System Control Panel the repro operator has the same user rights as the Key Operator and System Administrator. See 'User modes' on page 127.
- System Administrator settings (SA settings)
  The System Administrator group allows authorised users to configure default printer language (PDL) settings and printer pen settings. It also allows the System Administrator to configure system and connectivity settings.

These groups of settings can be selected from the 'View' menu of the Settings Editor.

Setting dependencies   The Settings Editor is used to display and edit a specified group of settings. Some settings are related to other settings, however. If you want to change settings which have dependencies with other settings you will be prompted with a message. When a setting is changed, the system automatically updates the related settings.

Also, when you change certain settings, such as measurement unit or paper series, all related settings are instantaneously converted to the new setting (with a bullet for the settings that are changed).
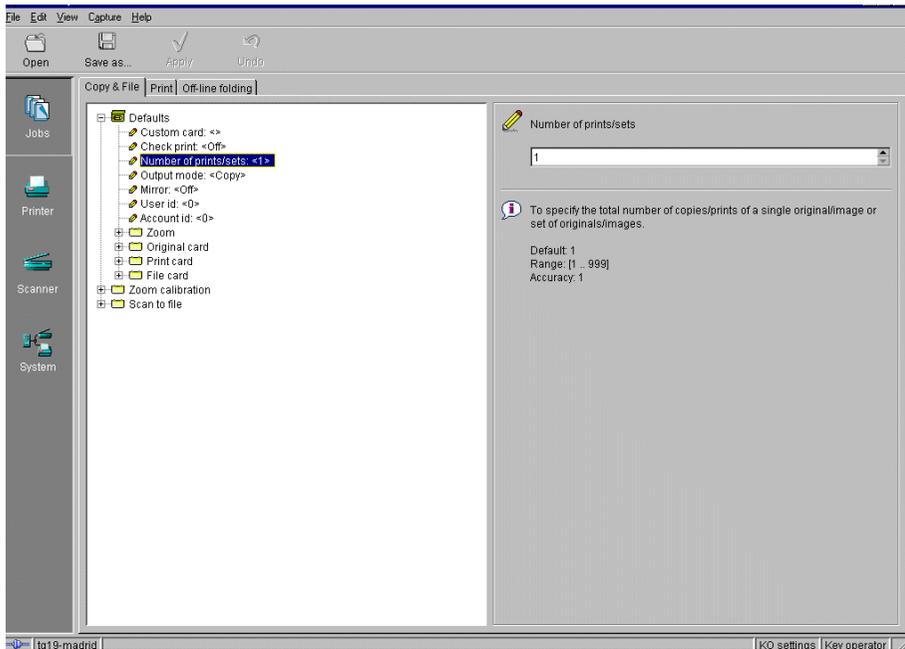
[32] Settings Editor

General structure

The Settings Editor is structured as follows:

- Menu bar
- Top toolbar
- Left toolbar
- Settings area
- Status bar

Menu bar

The menu bar of the Settings Editor contains the following menus:

File   If you select the 'File' menu you can log in as a particular type of user, log out of the previously selected user mode, open an existing setting file, save the current settings to a file, connect to a different controller (only for remote users) or exit the Settings Editor.

Edit   If you select 'Options' from the 'Edit' menu, a window is displayed in which you can view your default system and the display languages (first and second) for the Settings Editor application. The 'Auto login' option allows you to start the Settings Editor application automatically in the specified user mode.

View   The 'View' menu allows you to switch between the display languages as defined in the Edit options window and to switch between KO settings and SA settings.

Help   The 'Help' menu contains the following options: 'Contents of Settings Editor' and 'About Settings Editor'.

File   Edit   View   Help

[33] Menu bar

Top toolbar

The top toolbar of the Settings Editor contains four control buttons: 'Open', 'Save as', 'Apply' and 'Undo'.

Open   Save as...   Apply   Undo

[34] Top toolbar

Open   When you click on the 'Open' button, you open a saved file.

Save as   All Key Operator and System Administrator settings can be saved in a file. This way you can have different settings for different customers, departments or other situations.

Note: *These settings can only be saved in Key Operator or System Administrator mode.*

Apply When you click on the 'Apply' button, the changes you have made become effective. Initially, this button is disabled. It is enabled after the first setting is changed and disabled again after the apply action is performed or after an undo action.

Undo This button restores the settings to the state it was in the last time the settings were applied (and not back to the factory default). Initially, the 'Undo' button is disabled. This button is enabled the moment the first setting is changed. It is disabled after an Apply action is performed or after an undo action

▼   **Save settings to file**

1 Open the 'File' menu and select 'Save as', or press the 'Save as' button on the toolbar.
   You now have two possibilities:
   ■ If the client is a local client, a dialogue is displayed and the user can supply a file name. The file is saved in a predefined directory on the system.
   ■ If the client is a remote client, a dialogue box is displayed and the user can supply a directory and a file name.
   Note: *All settings in the current view mode are saved; not only the ones that are currently visible.*

   A few special files are available here:
   ■ Default.kos/Default.sas
   These files contain the factory default settings for the Key Operator and System Administrator, respectively, and can not be changed.
   ■ Backup.kos/Backup.sas
   These files contain a previous version of the settings for the Key Operator and System Administrator, respectively (before the last Apply).
   ■ Current.kos/Current.sas
   These files contain the version of the settings for the Key Operator and System Administrator after the last Apply.

   When an Apply is performed, first the contents of the current settings is copied to the backup file. There are two versions of this file, one for KO settings and one for SA settings. These files are always stored on the system.

▼   **Open a saved file**

1 Open the 'File' menu and select 'Open', or press the 'Open' button on the toolbar.

A dialogue box is displayed from where you can choose the correct file.

2 Click the 'Apply' button.

The loaded settings are transferred to the system.

Note: *This is only possible if the user is logged in as a Key Operator or System Administrator.*

Left toolbar

There are four different buttons available at the left toolbar of the Settings Editor. These are 'Jobs', 'Printer', 'Scanner' and 'System'. Each button provides access to a specific group of settings. By clicking on each of these buttons, you can get access to the settings related to the selected group.

A shadow highlight is used to indicate which button is activated.

[35] Left toolbar

Settings area

The settings area consists of two parts: a setting tree and an update area.

Tree structure   Most settings are displayed using a tree structure. By clicking on the settings, folders can be opened to show all the entries or closed to hide all the entries below these folders.

The settings for system components that are not available are not displayed. So, if you do not have a folder, no folder settings are available. This means that different configurations result in different tree structures.

Note: *When a tree item has been changed, this item will be marked with a bullet.*

Update area The user can move through the tree and select a setting. If he selects a setting for which he is authorised, he can edit the setting in the update area.

If the user is not authorised for a particular setting, the update area is greyed and no changes can be made.

Note that a few settings, such as basic card and pen settings, are not edited from the tree structured, but are accessed directly from the settings area.

The update area contains some additional information about the selected setting. This includes a brief definition of the setting, as well as the minimum, maximum and default values (if appropriate).
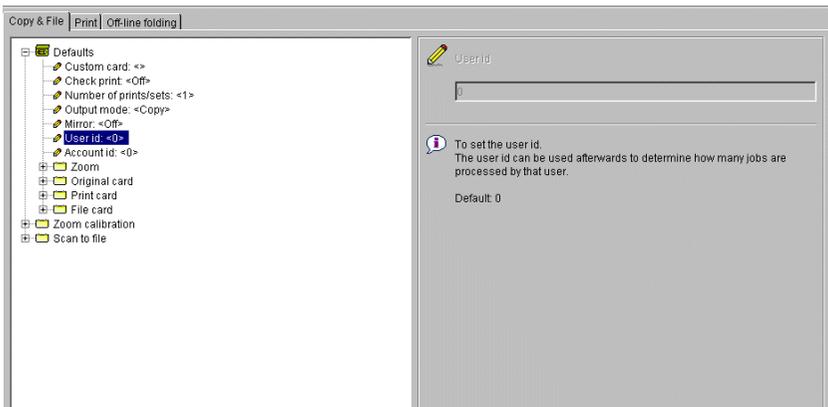
[36] Settings area

Status bar

The Settings Editor has a status bar displaying the following information (left to right):

■ System status (icon for connected or disconnected)
The following icons are used:

The Settings Editor is connected to a system.

The Settings Editor is not connected to a system.

■ System name ('localhost' if you are working at the controller)
■ User mode (Repro operator, Key Operator, System Administrator or anonymous)
■ View mode (KO settings or SA settings).

How to access the Settings Editor

In order to perform special Key Operator functions, you must log into the Settings Editor as a Key Operator.

As these functions are restricted to a dedicated Key Operator, a password is required to access them. The service engineer will provide this password to you upon installation.

Note: *Only one Key Operator or System Administrator at a time is authorised to make modifications. However, there may be multiple users viewing the settings. When a second user tries to log in as Key Operator or as System Administrator, an error message is displayed.*

Start Océ Settings Editor

You can start the Océ TDS applications on the controller as well as on a remote workstation.

▼ **Start Océ Settings Editor on the Océ Power Logic® Controller**
1 Select the 'Launcher' application.
2 Select Settings Editor. Océ Settings Editor starts.

▼ **Start Océ Settings Editor on a remote workstation**
Note: *You must first install Océ Remote Logic® as described (see 'Installation procedure for MS Windows® systems' on page 121).*
1 Select 'Océ Remote Logic®' via the 'Start' menu.

2 Select the 'Launcher' application.

3 Select Settings Editor. Océ Settings Editor starts.

How to perform actions from the Settings Editor

You can perform a number of activities from the Settings editor. These activities include:

■ Save settings to file
■ Load settings from a file
Save and load settings All Key Operator and System Administrator settings can be saved in a file or loaded from a file. This way you can have different settings for different customers, departments or other situations.

Note: *These settings can only be saved in Key Operator or System Administrator mode.*

▼ **Save settings to file**

1 Open the 'File' menu and select 'Save as'.
You now have two possibilities:
■ If the client is a local client, a dialogue is displayed and the user can supply a file name. The file is saved in a predefined directory on the system.
■ If the client is a remote client, a dialogue box is displayed and the user can supply a directory and a file name.
Note: *All settings in the current view mode are saved; not only the ones that are currently visible.*

A few special files are available here:
■ Default.kos/Default.sas
These files contain the factory default settings for the Key Operator and System Administrator, respectively, and can not be changed.
■ Backup.kos/Backup.sas
These files contain a previous version of the settings for the Key Operator and System Administrator, respectively (before the last Apply).
■ Current.kos/Current.sas
These files contain the version of the settings for the Key Operator and System Administrator after the last Apply.

When an Apply is performed, first the contents of the current settings is copied to the backup file. There are two versions of this file, one for KO settings and one for SA settings. These files are always stored on the system.

▼ **Load a settings file**

1 Open the 'File' menu and select 'Open'.

A dialogue box is displayed from where you can choose the right file.

2 Click the 'Apply' button.

The loaded settings are transferred to the system.

Note: *This is only possible if the user is logged in as a Key Operator or System Administrator.*

Key Operator settings

The Key Operator is responsible for correct default settings of the system. These settings include the default settings, and groups of default printer settings for the print and the copy jobs that again occur.

The Key Operator can define all timer settings, like the panel time out and the sleep mode time out.

Note: *One Key Operator or System Administrator can log into the Settings Editor at the same time.*

In order to perform special Key Operator functions, you must log into the Settings Editor as a Key Operator.

As these functions are restricted to a dedicated Key Operator, a password is required to access them. The service engineer will provide this password to you upon installation.

Note: *When you are finished, make certain you log out of the Key Operator mode of the Settings Editor to prevent unauthorized use of the Océ TDS400.*

▼   **Make Key Operator settings in the Settings Editor**
1   maximise the Settings Editor on the screen.
2   Log in as Key Operator.
3   Click on one of the top buttons to display the desired group of settings.
4   Select the setting you want to update in the tree structure.
5   Update the setting in the update area, as required.
    Note: *A few settings are made directly from the tree structure area.*
6   Click on the 'Apply' button.
    The new value is now applied for the setting
    Log out of the Key Operator mode when you have finished updating the settings.
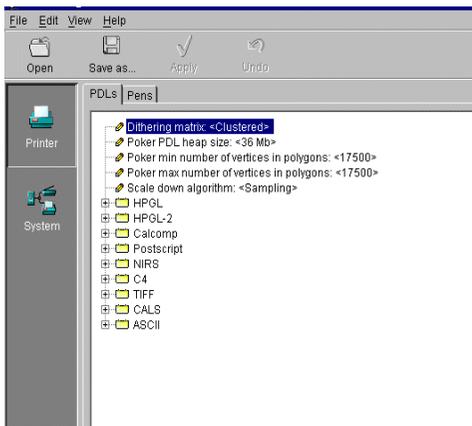
System Administrator settings

The Océ TDS400 System Administrator is responsible for:

- Dithering matrix and Poker settings
- Printer language controller settings
- Pen settings
- Automatic Language Selection (ALS) settings
- Controller identification settings
- Set memory reservation settings
- Connectivity settings.

To modify the System Administrator settings you have to access the SA settings in the Settings Editor.

There are two types of System Administrator settings (see figure 37):

- Printer
- System

[37] System Administrator settings in the Settings editor

In order to perform special System Administrator functions, you must log into the Settings Editor as a System Administrator (see 'User modes' on page 127).

Note: *When you are finished, make certain you log out of the System Administrator mode of the Settings Editor to prevent unauthorized use of the Océ TDS400.*

▼ **Make System Administrator settings in the Settings Editor**

1 Maximise the Settings Editor on the screen.

2 Log in as System Administrator.
See 'User modes' on page 127 for more information about logging into the Settings Editor.

3 Click on one of the top buttons to display the desired group of settings.

4 Select the setting you want to update in the tree structure.

5 Update the setting in the update area, as required.
Note: *A few settings, such as the default pen settings, are made directly from the tree structure area.*

6 Click on the 'Apply' button.
The new value is now applied for the setting

7 Log out of the System Administrator mode when you are finished updating settings.

Chapter 6
Océ Power Logic®: System Control Panel

This chapter describes how to view the status of the Océ TDS400.

Introduction

The Océ System Control Panel (SCP) application provides you with status information about the system. This includes:

■ Status of the printer
■ Overview of the loaded media types and sizes
■ Status of the scanner
■ Status of the controller
■ Memory usage.

Note: *If you do not have a scanner, the scanner status is not available. If you have a scanner only, the machine status of the printer and the overview of the loaded media is not available.*

Structure

The System Control Panel window is divided into the following parts (see figure 38 on page 108):

The menu bar which contains the following menu's:

■ File - Login, Logout, Connect to and Exit.
■ Edit
  If you select this option a window is displayed in which you can view your default system for the System Control Panel application. The 'Auto login' option allows you to start the application automatically in the indicated user mode.
■ View
  The View menu allows you to switch between the display languages as defined in the Edit options window and to enable or disable System Control Panel sub windows.
■ System
  The System menu allows you to dump your configuration settings, make a demo plot, clear the system and shut down the system.
■ Help options: Contents of System Control Panel, About System Control Panel.
■ Toolbar
  The tool bar of the System Control Panel contains the following buttons:
  Printer: to hide or to show the status of the printer.
  Media: to hide or to show media information.

Scanner: to hide or to show the status of the scanner.

Controller: to hide or to show the status of the controller.

Memory: to hide or to show the amount of set memory that is used.

Note: *If operator invention is required for a device, the respective button flashes.*

The Printer status window Displays the current status of the Printer. Any error messages displayed on the printer control panel also appear in the printer status window of the System Control Panel.

The Media display Provides graphical information about the status of the rolls and sheetfeeders (available, empty or disabled) of the printer and about the available media (size and type).

Note: *If the Media type equals polyester, the thickness is expressed in mil (0.001"), otherwise the weight is expressed in g/m2.*

When a roll or tray is disabled the roll icon is dimmed and the media information is replaced by the text "-disabled-" (see 'Icons' on page 108).

Note: *Special media are excluded from the automatic behaviour of the Océ Power Logic® Controller.*

The Scanner status display Displays the current status of the scanner. Any error messages displayed on the scanner control panel will also appear in the scanner status window of the System Control Panel.

The set memory meter Indicates how much of the set memory is filled. The information is displayed in the form of a meter which is divided into three zones:

- Green: safe, you have enough space left to print large jobs/many small jobs
- Orange: pay attention, you might reach the set memory limit soon
- Red: the set memory is (nearly) full; you should remove files or wait until files are printed and automatically removed or flushed from memory. No more print jobs are accepted. Copy jobs can still be made.

Note: *At the right of the set memory meter a percentage is displayed, indicating the amount of set memory currently being used.*

Below the System Control Panel main window is displayed:
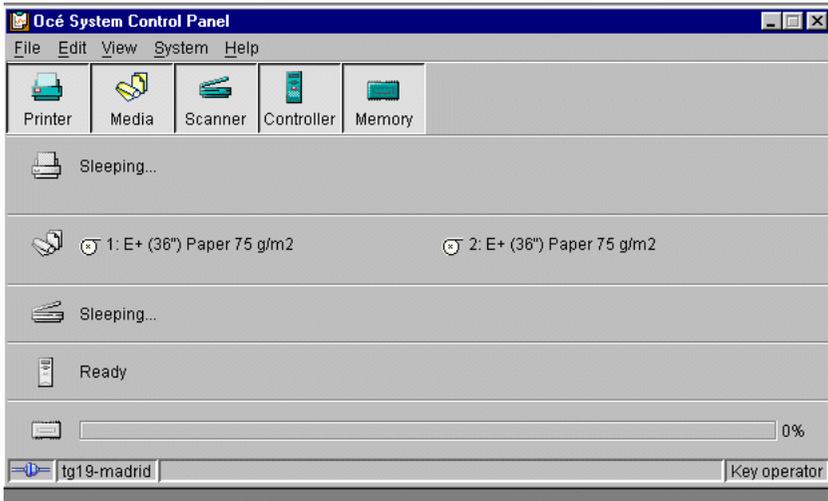
[38] System Control Panel window

Note: *You can hide the media by de-selecting it in the View menu option.*

Icons

The Océ TDS400 System Control Panel uses a number of icons to display information about the media available on the printer. The following icons are used:

 The material is available and the roll is ready for printing.

 The roll is disabled.

 The roll is enabled but empty.

User operations

The System Control Panel allows you to perform the following operations:
- Make a demo plot
- Print your system configuration
- Clear the system
- Shut down the system

▼ **Make a demo plot**

1 Select the Demo plot option in the System menu.
A demo plot is made on the printer.

▼ **Print your system configuration**

1 Select the Print settings option in the System menu.
A list is printed of the current settings on the Océ Power Logic® Controller.

▼ **Clear the system**

1 Select the Clear system option in the System menu to delete all jobs.
You can use this option in case of a corrupt job which can not be deleted with the help of the Queue Manager.
Note: *This option is only available in repro operator, key operator and system administrator mode. In anonymous user mode it is not possible to clear the system.*

▼ **Clear the system (on printer panel)**

1 Press the 'on line' button to put the printer off line.
2 Select the 'System' item with the ◀ or ▶ button.
3 Press 'next/select' to enter the 'System' menu.
4 Select 'Clear setmem' with the ◀ or ▶ button.
5 Enter password
6 Press 'next/select' to enter the 'Clear setmem' menu.
7 Select the 'on' or 'off' with the ◀ or ▶ button.
8 Press 'on line' to put the printer on line again.

▼ **Shut down the system**

1 Select the Shut down option in the System menu to shut down the system.
Note: *This option is only available in repro operator, key operator and system administrator mode. In anonymous user mode it is not possible to shut down the system.*

Chapter 7
Océ Power Logic®: Queue Manager

This chapter describes how to view and manage jobs in the Océ TDS400 print queue, inbox queue, and history queue. It shows how to cancel the active print and how to delete the prints, how to hold the print jobs in the queue, how to restart the jobs, and how to move jobs to top.

Introduction

The Queue Manager application provides you with a graphical representation of the print queue. It allows you to view the print queue and the status of the print jobs as well as to manage the jobs in the queue. With the Queue Manager you can:

- Abort the job currently being printed
- Delete job(s) in the queue
- Put job(s) in the queue on hold
- Print jobs from the history queue
- Print jobs from the inbox queue
- Move job(s) to the top of the queue
- Restart job(s) that were previously put on hold in the queue

▼ **Start Océ Queue Manager on a remote workstation**

Note: *You must first install Océ Remote Logic® in 'Installation procedure for MS Windows® systems' on page 121.*

1 Select 'Océ Remote Logic®' via the 'Start' menu, or
2 Select the 'Launcher' application.
3 Select Queue Manager. Océ Queue Manager starts.

Note: *To start more than one Queue Manager, System Control Panel or Settings editor you can better use the Launcher.*

Structure

The Queue Manager window is divided into the following parts (see figure 39 on page 114):

The standard menu bar. The menu bar for the Queue Manager contains the following menus:

- File: Login, Logout, Connect to, Close
- Edit: set the default printer and 'Auto login'.
- View: selecting the language, switching between queues, and configuring the view of the queues.
- Help: About Queue Manager, Contents of the help.

The tool bar The tool bar for the Queue Manager contains the following icons: hold, resume, move to top, delete and print job(s).

The active print job window. This window displays the job currently being printed on the Océ TDS400.

The print queue window. This window has a tabular format and shows the jobs waiting to be printed. The jobs are displayed in the order in which they are expected to be printed.

Note: *Copy jobs can move in the queue, to take preference over print jobs. This depends on a setting in the Settings Editor.*

Inbox queue The inbox queue contains print jobs which have been sent to the 'Inbox' on the controller. You can print these jobs, view the properties and delete these jobs.

History queue The history queue contains print and copy jobs which have been printed. You can print these jobs, view, edit some the properties and delete these jobs. You can set how long and how many jobs are kept in the history queue in the Settings Editor.

Note: *You can not view the history queue and inbox queue at the same time. Select either the history queue or the inbox queue from view menu on the toolbar. They will be visible in the right pane of the queue manager window.*

Status bar The Queue Manager has a status bar displaying the following information:

- System status (connected, not connected)
- The connected system
- The job status e.g. 'printing job.A0.hp'
- User mode

For each job the following information is displayed:
- The current status and schedule of the job in the form of an icon. See 'Icons' on page 116.
- The name of the print job.
- The type of job (print job / copy job)
- The name of the user who has submitted the print job.
- The number of sets and pages.
- Any remarks (e.g. 'Manual Feed').

You can resize the columns in the main queue window by dragging the table header separators. It is also possible to change the order of the columns by dragging a specific column to a new position.

Note: *You can sort the inbox and history. You can not sort the printer queue.*
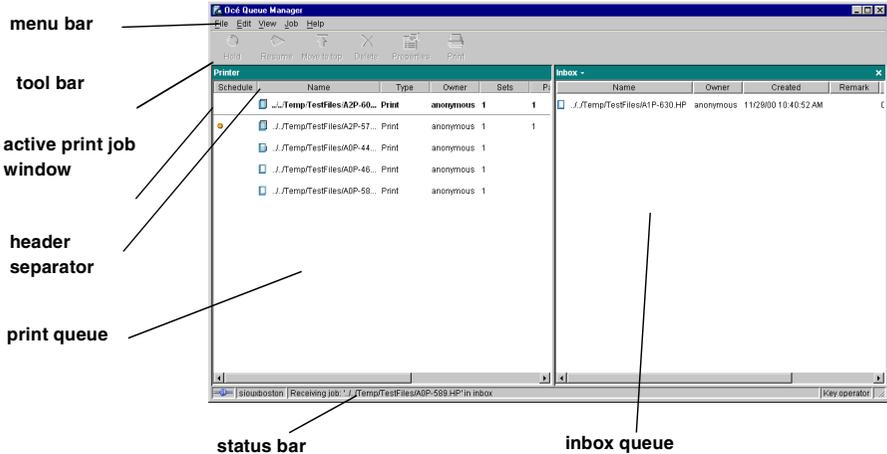
[39] Queue Manager window

Modes

The Océ TDS400 Queue Manager has the following modes:
■ Anonymous user mode
■ Repro operator mode
■ Key operator mode
■ System administrator mode
■ Service operator mode

These different modes are designed to limit access to the specific functions to authorized users only.

The anonymous user mode only offers view access to the queue. In this mode the buttons and menu items are disabled.

The repro operator, the key operator and the system administrator modes allow you to perform a number of activities on the jobs in the queue, with the help of

the Abort, Delete, Resume and Hold buttons. The service operator mode is meant for Océ technicians.

Note: *In the Queue Manager and the System Control Panel, the repro operator, the key operator and the system administrator have the same user rights. In the Settings Editor, however, the user modes offer different rights.*

Access The access to the key operator, repro operator, system administrator modes and service operator is password protected to allow only authorized personnel to use particular functions. You can enter these modes by selecting the Login option from the File menu and by specifying the correct password when prompted for it, (see 'Log in' on page 128).

From the 'File' menu, select 'Close' to exit the Queue Manager.

Job priority The priority of print and copy jobs in the Queue Manager is determined by the order in which they are submitted to the Océ TDS400. However, there is a setting in the Settings Editor which allows you to give copy jobs priority over print jobs.

Icons

The Océ TDS400 Queue Manager uses a number of icons to display information about a job in the queue. The following icons are used:

[40] Receiving/received the job

[41] Processing / processed the job

[42] Printing the job

[43] Delivering the job

[44] The delivered job

[45] The deleted job

[46] A job that requires manual feed

[47] The job is placed on hold by the user or the system.

[48] Attention, needs operator attention (e.g. a media request).

Managing print jobs

▼ **View the print queue**

The Queue Manager displays all jobs sent to the print queue in a list sorted according to the order in which they will be printed.

This ordering can be changed by:
- deleting jobs
- putting jobs on hold
- restarting jobs currently on hold
- moving jobs to top

This list will be automatically updated.

Note: *Queue operations can only be performed when you are properly authorized. Before you can use the Queue Manager in a different mode, you first have to enter a password to get the required access. See 'User modes' on page 127.*

▼ **Delete print jobs**

1 Select the desired job(s) by clicking on them.
Note: *You can select a consecutive list of jobs to be deleted by clicking on the first job, holding down the Shift key and clicking on the last job. You can select a non-consecutive list of jobs to be deleted by clicking on each desired job while holding down the Ctrl key.*
Note: *To delete a job from a remote client, you need repro operator, key operator or system administrator rights.*

2 Click on the Delete button.
A cross icon is displayed in front of the job indicating it will be deleted. After the job is actually deleted, the job is removed from the queue.
Note: *Consider carefully before you use the Delete button. A delete operation cannot be undone.*

▼ **Put print jobs on hold**

1 Select the desired job(s) by clicking on them.
Note: *You can select a consecutive list of jobs to be put on hold by clicking on the first job, holding down the Shift key and clicking on the last job. You can select a non-consecutive list of jobs to be put on hold by clicking on each desired job while holding down the Ctrl key.*

2 Click on the Hold button.

Note: *A job that is put on hold will retain its position in the print queue. Once it reaches the top of the queue, the job that is put on hold will stay there until it is restarted or deleted. While a job is on hold, other jobs will be printed, even when they were behind the job on hold in the queue. The active job and the jobs in printing state can not be put on hold by the Queue Manager.*

▼   **Restart jobs that are put on hold**
1   Select the desired job(s) by clicking on them.
   Note: *You can select a consecutive list of jobs to be restarted by clicking on the first job, holding down the Shift key and clicking on the last job. You can select a non-consecutive list of jobs to be restarted by clicking on each desired job while holding down the Ctrl key.*
2   Click on the Resume button.
   The selected job(s) will now be restarted.

▼   **Move jobs to top**
1   Select the desired job(s) by clicking on it/them.
2   Click on the 'Move to top' button on the toolbar.

   If more than one job is selected then the first selected job will be on top, the second will be on top, the second below that one and so on.

▼   **Reprint jobs from the History queue.**
1   Select the desired job(s) by clicking on it/them.
2   Click on the 'Print' button on the toolbar.

▼   **Change number of sets in the history queue**
1   Select the desired job(s) by clicking on it/them.
2   Click on the 'Properties' button on the toolbar.
3   Select number of sets in the menu window

Chapter 8
Océ Power Logic®: Remote Logic

This chapter describes how to install and use Océ Remote Logic®.

Introduction

Océ Remote Logic® enables you to:

■ View system status (Océ System Control Panel).
■ Manage print jobs (Océ Queue Manager).
■ Change settings (Océ Settings Editor).

For more information see 'Use Océ Remote Logic®' on page 126

Installation procedure for MS Windows® systems

Before you install Océ Remote Logic**®**, you must take note of the following minimum system requirements for the remote system. The system must be a Pentium**®** 233 with 32 Mb RAM running Windows 95, 98, NT**®** (service pack 3) or Windows**®** 2000. Contact your local Océ organisation for more possible systems.

Océ Remote Logic**®** (Queue Manager, System Control Panel and Settings Editor) are on the Océ TDS400 CD-ROM and on the Océ Power Logic® Controller CD-ROM provided with the system. The installation procedure for Remote Logic® is quite simple and self-explanatory. When you select the 'Install remote applications' option on the CD-ROM, a Wizard starts to guide you through the installation process. When the installation process is complete you do not have to restart your system.

Note: *Océ Remote Logic**®** only works when TCP/IP is enabled on your system. Refer to your system administrator for assistance with the installation procedure for TCP/IP.*

▼ **Install Océ Remote Logic®**

1 Insert the Océ remote Logic**®** CD-ROM or the Océ Power Logic® Controller CD-ROM into the CD-ROM drive of your PC.
2 Select the 'Install remote applications' option.
The installation Wizard starts, and asks to select a setup language.

[49] Choosing a setup language

3 Indicate the required language and click 'OK'.

4 Follow the instructions on screen to complete the installation of 'Océ Remote Logic'.

When the installation is complete, you can start the applications by selecting them from the specified folder in the 'Start' menu.

To work with the applications you first have to connect to an available Océ TDS400 machine. How to connect is described in 'How to use the remote system' on page 132.

If you plan to work with more than one of the available remote applications, you are advised to use the "Applications Launcher", because this uses less system resources than the individual applications.

Installation procedure for Unix systems

Océ Remote Logic**®** is set up to be platform independent. It runs on a variety of operating systems providing that a Java™ runtime environment is available for that platform. The Java™ runtime environment must be installed by a user with system administrator privileges, depending on Java™ Virtual Machine (VM). It is also assumed that Océ Remote Logic® is installed by an experienced user.

UNIX versions and the required JRE			
UNIX version	OS version	JRE	Default installation directory
IBM AIX	4.1.5	1.1.6	/usr/jdk_base
IBM AIX	4.2.1	1.1.8	/usr/jdk_base
IBM AIX	4.3.3 + fix	1.2.2	/usr/jdk_dev2
IBM AIX	4.3.3.10 + fix	1.3.0	/usr/jdk_java130
SUN Solaris	2.6	1.1.6	
HP-UX	10.20	1.1.3	
LINUX	1.0	1.1.3	
LINUX	1.2	1.1.8	
Note: *OS = Operating System, JRE = Java™ Runtime Environment*			

▼ **Install Océ Remote Logic®,**

1 Check if a Java™ runtime environment (JRE) is installed on the system. The preferred version is JRE 1.1.8. Below you can find some links to JRE's for various UNIX platforms.

2 Unpack the contents of the file 'RemoteLogic_vX.tar', from the directory Products/remotelogic/UNIX, to a subdirectory on the system.

3 Use 'tar xvf RemoteLogic_vX.tar' to unpack.

4 Set the environment variable 'RL_VM_HOME' to point to the installation of the JVM.

5 Run the file 'remotelogic' with the applications as parameters. (e.g. remotelogic QM SCP SE to start the three applications), or use 'remotelogic AL', for the application launcher.

Note: *If you do not supply any options, a short help text is displayed.*

IBM AIX

For the various versions of IBM AIX, Java™ runtime engines can be downloaded from:
http://www.ibm.com/java

The preferred version of the Java™ runtime engine for use with Océ Remote Logic® is the 1.1.8 version.

HP-UX

For HP-UX 10.20 and 11.00 the runtime engine can be downloaded from:
http://www.unix.hp.com/java
The preferred version of the Java™ runtime environment for HP-UX 10.20 and HP-UX 11.00 is version C.01.18.xx.

Linux

IBM has a runtime engine available for Linux which can be downloaded from:
http://www.ibm.com/java

Installation procedure for Other systems

In general, Océ Remote Logic® can run on any system with a Java™ VM.

▼ **Steps to install Océ Remote Logic® in general**

1 Install Java™ Virtual machine (preferred 1.1.8 (or higher)).

2 Extract 'RemoteLogic_vX.tar' or 'RemoteLogic_vX.zip', from the Océ Remote logic® CD-ROM.

3 Set the environment variable RL_VM_HOME to point to the Java™ VM installation directory.

4 If needed, edit the remote logic script or batch file.

5 Use remotelogic script or batch file to start the applications.

Use Océ Remote Logic®

Océ Remote Logic® enables you to:
■ View the system status (Océ System Control Panel).
■ Manage print jobs (Océ Queue Manager).
■ Change settings (Océ Settings Editor).

Océ Remote Logic® has five different user modes. These user modes are meant to limit access to the special functions to authorised users only. Log in to get access to one of the user modes.

Change the display language, to operate Océ Remote Logic**®** in the language of your selection. refer to the on-line help for information on how to do this.

The Océ Remote Logic® applications can operate separately. If you start the applications separately, you have to log in and select a language in each application. If you start the applications via the 'Application Launcher', the language is selected automatically.

Note: *The default language is English US.*

Start the Océ TDS applications via the 'Start' menu or via the 'Application Launcher' application.

▼   **Start Océ Remote Logic® on a remote workstation**
1 Select 'Océ Remote Logic' via the 'Start' menu.
2 Select ' Application Launcher'.
3 Select the required application from the 'Application Launcher'.

User modes

The following user modes are available:
- Anonymous user mode
- Repro operator mode
- Key operator mode
- System administrator mode
- Service operator mode

The anonymous user mode only offers monitoring capabilities. You are not allowed to change anything.

The repro operator, the key operator and the system administrator modes allow you to perform a number of user actions.

In the Queue Manager and the System Control Panel the repro operator, the key operator and the system administrator have the same user rights. The repro operator, the key operator and the system administrator modes allow you to perform a number of activities on the jobs in the queue, with the help of the Abort, Delete, Resume and Hold buttons.

In the Settings Editor, however, the user modes offer different rights. In repro operator mode, the operator is allowed to only view settings in the key operator and system administrator views.

In key operator mode, the operator is allowed to view and change settings in the key operator view. The key operator is also allowed to view system administration settings, but is not able to change them.

In system administrator mode, the operator is allowed to view and change settings in the system administrator view. The system administrator is also allowed to view key operator settings, but is not able to change them.

The service operator mode is meant for the Océ technician.

When you are not authorised to perform a certain action, the action is greyed out.

Note: *The status bar at the bottom displays the active user mode.*

Log in

The access to the key operator, repro operator, system administrator and service operator modes is password protected to allow only authorised personnel to use particular functions.

The default password for the System Administrator is: SysAdm.
The default password for the Key Operator is: KeyOp.
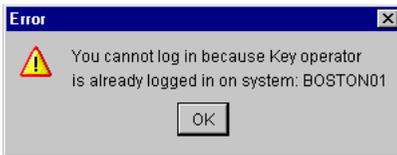The default password for the Repro Operator is: ReproOp.
Note: *The default passwords are case sensitive. Change the passwords after your first log in.*

▼ **How to log in**
1 From the 'File' menu, select 'Log in'.
2 Select the correct user name.
3 Enter the Password.
4 Click 'OK'.

Note: *You must log in into each application separately.*

Log in is restricted to one user only. When a second user attempts to log in an error message will appear (see figure below).

```
Error                              ✕
 ⚠  You cannot log in because Key operator
    is already logged in on system: BOSTON01
            [  OK  ]
```

[50] When a second user attempts to log in an error message will appear

Log out

You have to log out to leave the key operator, repro operator and system administrator modes.

▼ **How to log out**
1 From the 'File' menu, select 'Log out'.
You return to anonymous user mode.
Note: *You must log out into each application separately.*

To change the password

You can change your password on a standard base. You can change the
password for each user mode (except anonymous user mode, for which no
password is required and service operator) by taking the following steps:

▼ **Change the password:**

1 From the 'File' menu, select 'Log in'.
2 Click the 'Password' button.
3 Select the correct username in the 'Username' drop-down list box.
4 Enter the old password in the 'Password' text box.
5 Enter the new password in the 'New password' text box.
6 Enter he new password in the 'Confirm new password' text box and click 'OK'
to confirm the new password.

Automatic login

If you do not want to log in each time you start an application, you can select
the automatic login function. This option allows you to start an application
automatically in the indicated user mode.

▼ **Enable automatic log in**

1 From the 'Edit' menu, select 'Options'.
The Options window appears.
2 Select the 'Enable automatic login' check box.
3 Select the correct user mode and enter your password for that user mode.
4 Click 'OK'. Automatic login is now enabled.

Language

From the 'View' menu, select 'Language', to select one of the supported
languages.

Note: *The check mark in front of the language indicates that this is the active
display language.*

▼ **Set the languages**

1 From the 'View' menu, select 'Language'.

You have to change the display language setting in the Settings Editor, to change the languages in the scanner and printer operator panels, and in the local applications.

Help

▼ **Display help information**

1 Open the 'Help' menu and select 'Contents'.
Now you can find help for all functions of the Océ Remote Logic® applications.

Command line parameters

In order to start the remote applications faster, there are 6 command line parameters available.

configfile=<config_file> Sets the configuration file to use.

server=server Sets the specified server as the server to connect to.

language1=lang Specifies the first language in combination with the parameter 'country1=country'.

country1=country Specifies the first language in combination with the parameter 'language1=language'.

language2=lang Specifies the second language in combination with the parameter 'country2=country'.

country2=country Specifies the second language in combination with the parameter 'language2=language'.

Note: *You must always use a matching combination of 'lang' and 'country'*

Language		
Language	Language parameters	Country
Danish	da	DK
Czech	cs	CZ
Spanish	es	ES
Finnish	fi	FI
Hungarian	hu	HU
Italian	it	IT
US English	en	US
UK English	en	GB
Dutch	nl	NL
German	de	DE
French	fr	FR
Portuguese	pt	PT
Norwegian	no	NO
Swedish	sv	SV
Polish	pl	PL
Japanese	ja	JP

The parameters can be applied to the following applications:

■ QM.exe (Queue Manager)
■ SCP.exe (System Control Panel)
■ SE.exe (Settings Editor)
■ AL.exe (Application launcher)

Note: *These .exe files are usually located in 'C:\Program Files\Remote Logic\Bin'.*

The easiest way to do this is by creating a short-cut of an application and then add the command line properties.

Example command line parameter Below is an example of how to start the Océ Remote Logic® applications with the configuration file 'Myconfig.cfg', connected to the 'My9600' server. The first language is set to US English and the second to French:
'C\Program Files\Remote Logic\Bin\AL.exe -configFile=Myconfig.cfg server=My9600 language1=en country1=US language2=fr country2=FR'.

How to use the remote system

Start up the Océ Remote Logic® applications (Océ Settings editor, Océ Queue manager, Océ System control panel), on a remote client after you installed the software (see 'Installation procedure for MS Windows® systems' on page 121). In order to use the functionality you first have to add an Océ Power Logic® controller and then connect to an available Océ Remote Logic® controller.

▼ **Add an Océ Power Logic® controller**

1 Open the 'File' menu and select 'Connect to'.
A dialogue box will appear with a drop-down list box containing the already added Océ Remote Logic® systems.
2 Click 'Edit...'. The 'Edit systems' dialogue box appears.
3 Enter the IP address or the name of the Océ Remote Logic® system you want to connect to, in the 'Systems' text box.
4 Click 'Add'. The system is added to the list. You can add as many systems.
Note: *You can also remove an Océ Remote Logic® system. Select one in the list and click 'Remove'.*
5 Click OK twice to return to the application.

Note: *Before you can add an Océ Remote Logic® system, the system has to be installed and configured by a system consultant or a technician.*

▼ **Connect to an Océ Power Logic® controller**

1 Open the 'File' menu and select 'Connect to'.
A dialogue box will appear containing a drop-down list box with the available systems.
Select one of the available systems and click on 'OK'. When you connect to another system, all settings have to be retrieved. This may take some time.

Chapter 9
Océ Print Exec® LT Web

The Océ Print Exec® LT Web is a job submission application. It allows you to send print jobs to a printer from your web browser and view the status of the system.

Introduction to Océ Print Exec® LT Web

Print Exec® Light Web is optional software which allows you to create and send a set of plots or drawing files to an Océ TDS printer. You can send the settings for these jobs from your workstation, using your web browser.

Basic concepts

The role of Océ Print Exec® LT Web is to allow you to:
- Get information on the printer configuration
- Get information on the available media
- Get information on pending jobs in the printer queue
- Assemble up to 10 documents in a job
- Prepare the basic settings which will be used for the printer
- Submit the job to the printer.

Requirements for the user browser software

- Microsoft® Internet Explorer® 4.01 (Service Pack 2) or higher
- Netscape® Navigator® 4.08 or higher

Requirements for the network infrastructure

- TCP/IP network, which connects the printer and the end user workstation
- Port 8001 must not be filtered.

How to connect to the Print Exec® LT Web

▼ **Connect to the Print Exec® LT Web**
1 Enable Print Exec® LT Web in the Settings Editor.
2 Type the following URL in your browser: http://Printername
Note: *The 'Printername' is the domain network server (DNS) name or IP address of the printer (see figure 51 on page 135).*
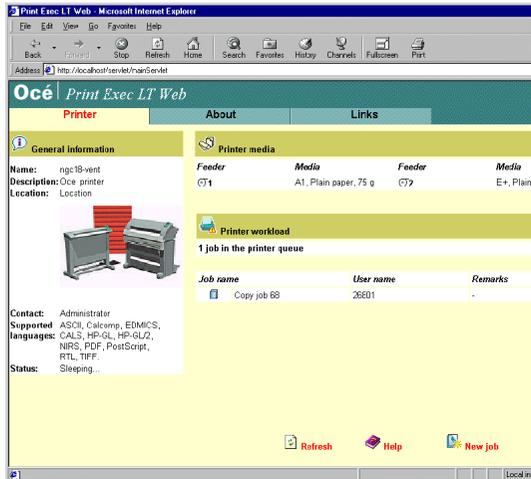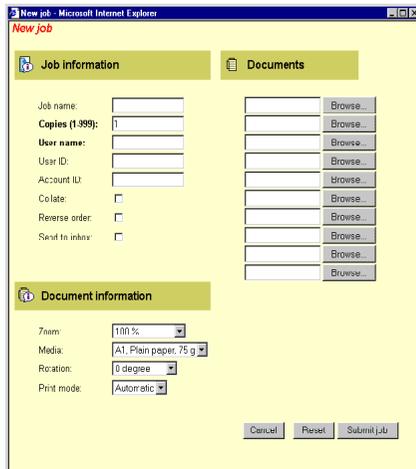
[51] Océ Print Exec® LT Web

▼ **Add new jobs**

1 Click 'New job'

A form appears like in figure 52 on page 135.

2 Click 'Browse' to add documents

3 Click 'Submit' when you are ready.

[52] Job composition

For more information please consult the on-line help.

Chapter 10
Océ Power Logic®: Account Logging

This chapter describes what Account logging is and how to use it.

The account logging option

For accounting purposes, the Océ Power Logic® Controller is able to keep track of all your jobs. For each copy/print/scan job the job info and the paper usage is stored. For scan to file with check print 2 records are generated, one for the scan to file and one for the check print.

All this data is stored in a file: the account log file. The account file contains a record for each copy/print/scan job.

Account logging consists of the following steps:

1 Enable the Account logging option
2 Set the file format properties
3 Make copy/print/scan jobs on the right account
4 Retrieve the generated Account logging file
5 Use the generated Account logging file

1 Enable the Account logging option

Account logging is an option. You enable this option in the Settings Editor via a password.

2 The account log file

File format The account logging information is stored in a file. The format of the file is either ASCII (using the ISO Latin-1 encoding) or UTF-16. The format depends on the Logging file format setting. The file format is either YYYYMMDD.csv (for ASCII files), or YYYYMMDD.txt (for UTF-16 files). You set the file name in the settings editor.

File content The account log file content is based on a text file consisting of a sequence of lines of text. A line of text is an ordered sequence of characters. Records consist of a sequence of fields separated by a field separator character. Each line of text forms a record. The records can be of different types, as indicated by a record type identifier which is the first field in a record.

Storage The account log file is stored on the controller. The controller generates a account log file each day. You can determine for how long the

accounting log file is kept on the controller. You set the file age in the Settings Editor.

File field separator The items of a record in the account log file are separated by the file field separator. The file field separator depends on the regional settings of your operating system. By default the file field separator is set to 'semicolon'. Make sure you specify the same file field separator in the Settings Editor as in your regional system settings. For Windows® operating system you can find this under: Start - Settings - Control Panel - Regional Setting - Number - List separator.

Escaping method If the text in the field separator contains the field separator character, end of line or double quote then the text in the field changes as follows:

1 An occurrence of a double quote is replaced by two double quotes.
2 The resulting text is surrounded by double quotes.

Note: *The escaping method is compatible with MS Access*® *and MS Excel*®.

Storage The print/copy/scan jobs you make in one day are stored in one separate account log file. The Océ TDS400 system makes each day a new account log file. You can set how long the account log files are stored on the controller.

3 Make copy, print, or scan jobs

▼ **To set the accounting for a copy or scan job**

1 if "account logging" is enabled, "account logging" is shown on the scanner display instead of "scanner ready". It is shown at the highest level of the menu tree.
Note: *ID's can only be modified during "scanner ready".*
2 Enter the correct account ID and user ID with the arrow buttons on the scanner operator panel, as shown below.

Decrease ID   Increase ID

Centre button=confirm
and select other ID
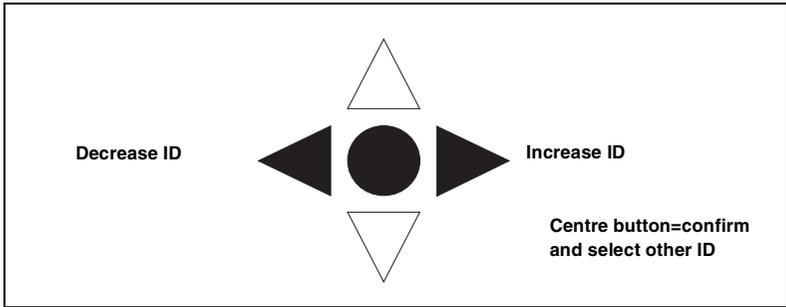
[53] Enter the correct account ID and user ID with the arrow buttons on the scanner operator panel

Note: *The account ID and user ID will return to the default set in the Settings Editor after an idle time (panel time out, sleep mode, or power up).*
Note: *the entry fields for account ID and user ID on the scanner panel are limited to 3 digits. You can set 9 digit default ID's on the Settings Editor. If a default ID is larger than 3 digits, this ID will be shown on the scanner as '---'.*

3 If you press any other user button on the scanner panel, the editing of the user ID and account ID is aborted. An exception to this are the '+' and '-' button to set the number of copies. This can be done independent of the editing of the user ID and account ID.

▼ **To set accounting for a print job**

1 For a print job, you must specify the 'account ID' and the 'user ID' in the printer driver, in Océ Print Exec® LT web or in Océ Print Exec® LT. If no ID's are set the default ID's from the Settings Editor are used.

You are now ready to make copy, print, or scan jobs.

4 How to retrieve the account files

The account log files are stored in the logging directory of the controller. You can retrieve your files from the local host via File Transfer Protocol (FTP). FTP can be done:

1 via an internet browser or
2 via a dos box.

▼ **Get the account log file via FTP in a internet browser**

1 Start an internet browser

2 Enter the ftp address of the Océ TDS400 system.
Note: *You set the name of the system in the Settings Editor.*
The browser shows the ftp directories on the Océ TDS400 system (see figure 54).

3 Browse to the 'Accounting' directory.
The accounting log files are shown (see figure 55).

4 Save the accounting log files to any destination on your system. This is usually done by a right click on the file and then the 'save' option.

[54] The ftp directories on the Océ TDS400 system

[55] The accounting directory with the account log file on the Océ TDS400 system

▼ **Get the account log file via FTP in a dos box**

1 Launch an FTP client.

2 Enter the 'ftp' command.
A DOS box now appears with the FTP prompt.

3 Enter the 'Open' command followed by either the registered name of the Power Logic Controller or the IP address (for example: 194.2.66.146) to connect to the Controller and press Enter: 'open 194.2.66.146'.
Note: *Instead of performing steps 2 and 3 you could also enter "ftp host_name" in the FTP client.*
The connection with the Controller is now established and a window appears asking you for a user name.

4 Enter your user name 'anonymous', and enter as your password also 'anonymous'.
A connection is now set up for the default user 'anonymous'.
Note: *As there is no registered user, you can simply press Enter to initiate the connection.*

5 Set the transmission mode to binary by entering 'binary'.

6 Go to the 'logging' directory using the following command: 'cd logging\'.

7 Get '20001011.csv' or '20001110.txt' depending on the file format setting.

8 Quit FTP by entering the 'bye' command.

5 Use the generated accounting file

After you retrieved the accounting file you can view and use the data that are stored in the records. You can import the account log file into for example Microsoft Excel® or Microsoft Access®.

▼ **Import the account log file into Microsoft Excel®**

1 Start Microsoft Excel®.

2 Open the account log file that is on your system.
Microsoft Excel® shows the content of the account log file: the records (see figure 56).
Now you can process the data in the account log file.

[56] The account log file in Microsoft Excel®

Account information in the log file

For each output page an account log record (1 line) is generated. A job that consists of several output pages, will have several account log records. Also for each scan (scan to file jobs) an account log record is generated.

All records that are part of a single job, will have the same value for the 'Job Unique ID' field. This field is part of each record and is unique for each job in the file. This field is for collecting records that are part of a single job and to calculate the totals for the whole job.

Account information for the media format

If a standard output media format is chosen in a print, scan or copy job, the media width and height for the output media reported in the account log file, will be exactly as specified in the following table. Any deviation from these values (even by 1 unit) implies that a non-standard media format was chosen in the job.

Note: *Note that for output in landscape orientation, the width and height values are swapped.*

Media Format for Output Media		
Format name	Width (units of 1/72 inch)	Height (units of 1/72 inch)
A0	2384	3370
A1	1684	2384
A2	1191	1684
A3	842	1191
A4	595	842
E	2448	3168
D	1584	2448
C	1224	1584
B	792	1224
A	612	792
E+	2592	3456
D+	1728	2592
C+	1296	1728
B+	864	1296
A+	648	864
B1	2004	2835
B2	1417	2004
B3	1001	1417
B4	709	1001
30x42	2160	3024
jis B1	2064	2920
jis B2	1460	2064
jis B3	1032	1460
jis B4	729	1032
jis B5	516	729

Account information for the media weights

In the account log file, media weight is represented by the values 'LIGHT', 'NORMAL' and 'HEAVY'. The following table specifies the mapping for actual media to the values in the account log.

Media Weight Values	
Actual material	Value in log file
Plain paper 64g	LIGHT
Plain paper 75g	NORMAL
Plain paper 110g, 24lb	HEAVY
Transparent 75g	LIGHT
Transparent 90g	NORMAL
Transparent 110g	HEAVY
Vellum	NORMAL
Polyester 3P5 Mil	NORMAL
Polyester 4P5 Mil	NORMAL
Translucent	NORMAL

Structure of the account file

The Océ TDS400 supports two different record types: 6310 and 6311. The first record in each account log file is of type 6310 and contains a list of abbreviated field names that occur in records of type 6311. this record is always the same in each account log file and is used as a comment. For example to clarify the meaning of the fields if the file is imported in an application like MS Excel®

The actual account log information is in records of type 6311 (the second up to the last record in the account log file). The fields of that record are described in the table 'All Parameter descriptions' on page 147.

Description of all the parameters in the account log file

Note: *The table below lists the fields in their order of appearance in the account log file.*

All Parameter descriptions

Parameter	Type	Length (max)	Description
Record type	num	4	Record type identifier = 6311. Note: each account log file starts with a record of type 6310. This is a constant record which only contains the abbreviated field names used in records of type 6311.
Account ID	text	255	Account ID, escaped according to escaping rules. Empty field if not available. Note: numeric account ID from RCF or scanner panel is converted to its textual representation (without any prefix). For OJT, the Account ID is copied from the OJT "Account" field (string).
User ID	text	255	User ID of submitter of job, escaped according to escaping rules. Empty field if not available. Note: numeric user ID from RCF or scanner panel is converted to its textual representation (without any prefix).
Job ID	text	255	ID of job (e.g. job name) as specified in a job ticket, escaped according to escaping rules. Empty field if not available.
Machine ID	text	255	Unique ID of the printer. If there is only a scanner, then the unique ID of the scanner. For the Océ TDS400 this is implemented as the serial number of the printer/scanner.
Record version	num	2	Version number of this record type. 0 for this version.
Job Unique ID	num	8	Controller-generated unique job ID. Is unique for each job in the log file.
Record number	num	6	Sequence number of this record in the account log for this job. Starts at 0.
Job submission source	text	255	Host name or IP address of the source of the job. Empty field if not available.
Channeltype	text		Protocol used for the job submission: LP, SMB, PSERVER, FTP, CENTRONICS
Receive date year	num	4	Year when source page was received. E.g. 2001
Receive date month	num	2	Month when source page was received. 1-12
Receive date day	num	2	Day of the month when source page was received. 1-31

All Parameter descriptions (continued)

Parameter	Type	Length (max)	Description
Receive time hours	num	2	Hour when source page was received. 0-23
Receive time minutes	num	2	Minute when source page was received. 0-59
Receive time seconds	num	2	Second when source page was received. 0-59
Source location	text	255	Location of the input file or set: For files in the input stream: F1 to F999 (for the first until the 999th file in the input stream of this job). For referenced files: the URL of the file. For scans, the input set number to which the page belongs: S1 to S999 (for the first until the 999th input set). Note: The Océ TDS400 only supports 1 input set.
Source page number	num	6	Page number of the input page in the source set/file. First = 1
Source type	text		Type of the source page: For PDL's: TIFF, CALS, PDF, PS, NIRS, HPGL, HPGL2, C4, CALCOMP, ASCII For scans: SCANF (scan of front of page), SCANB (scan of back of page)
Source width	num	6	Native width of source page in points (1/72 inch)
Source height	num	6	Native height of source page in points (1/72 inch)
Output width	num	6	Actual width of output page in points (1/72 inch)
Output height	num	6	Actual width of output page in points (1/72 inch)
Width scale	num	4	The scaling factor applied to the original in the width direction. [%].
Height scale	num	4	The scaling factor applied to the original in the height direction. [%].
Mirroring	text	2	Mirroring applied to the original. LR (left and right swapped) or TB (top and bottom swapped). Empty if no mirroring applied.
Rotation angle	num	3	Counter-clockwise rotation angle of the scaled (and possibly mirrored) original. Possible values: 0, 90, 180, 270. An angle of 0 implies that the orientation of the source and output image is the same.

All Parameter descriptions (continued)

Parameter	Type	Length (max)	Description
Process type	text		Type of processing that was done for this page: PLOT, COPY, STF (scan to file), CHK (check plot), ICOPY (interrupt copy), INTRNL (internal job), HEADER (header page), TRAILER (trailer page), ERRPAGE(error page), REPLOT (from history queue)
Process comple-tion	text		How the process completed for this page: DONE (normal termination), ABRT (job aborted by user), ERR (error occurred). In case an error occurred or the job was aborted, the last page that was correctly delivered has value DONE and an extra record with value ABRT or ERR is generated for the first page after that (the page that did not come out due to the error).
Delivery date year	num	4	Year when source page was delivered. E.g. 2000
Delivery date month	num	2	Month when source page was delivered. 1-12
Delivery date day	num	2	Day of the month when source page was delivered. 1-31
Delivery time hours	num	2	Hour when source page was delivered. 0-23
Delivery time minutes	num	2	Minute when source page was delivered. 0-59
Delivery time seconds	num	2	Second when source page was delivered. 0-59
Output page number	num	6	Page number of the output page in this job. First = 1. Physical output pages are numbered separately from digital output pages. Digital output pages are numbered separately for each separate output file.
Output media type	text		Type of the output medium in case of physical out-put: PPAPER (plain paper), TRANSPARENT, FILM, POLYESTER, VELLUM, TRANSLU-CENT. Empty if no physical output.
Output media special	text	1	Indicates whether special output media is selected. Y or N. Empty if no physical output

All Parameter descriptions (continued)

Parameter	Type	Length (max)	Description
Output media weight	text		Output media weight in case of physical output: LIGHT, NORMAL, HEAVY. Empty if not known or if only digital output.
Output media source	text		Source from which the output media was taken in case of physical output: ROLL1, ROLL2, ROLL3, ROLL4, ROLL5, ROLL6, TRAY1, TRAY2, TRAY3. MANUAL (manual feed slot). Empty if no physical output.
Output fold method	text		Empty field.
Output binding method	text		Empty field
Output media destination	text		Empty field.
Output file type	text		Type of output file in case of digital output: TIFF, CALS, PDF. Empty if no digital output.
Output file compression	text		Compression method of output file in case of digital output: GROUP3, GROUP4, PACKBITS, LZW. Empty if no digital output or no compression.
Output file size	num	9	Size of output file in bytes (including all pages in case of multi-page output files) in case of digital output. Empty if no digital output.
Output file destination	text	255	Nickname of the destination for the output file as used in the scan manager, in case of digital output. If multiple pages in one job have the same destination file, a multi-page file is generated. Empty if no digital output.
Output resolution (width direction)	num	4	Resolution of output in width direction in dpi
Output resolution (height direction)	num	4	Resolution of output in height direction in dpi

Chapter 11
Printer supplies and scanner maintenance

This chapter describes how to load paper, refill the toner, replace the waste toner bag and clean the scanner.

Media

The Océ TDS400 is available with a roll unit for one or two rolls.

Each of the rolls on the Océ TDS400 can be loaded with print material of a different size or type. The size and type of the available media are indicated on the operator panel.

Attention: *When you load new print material, you must tell the system the size of the material and the type of print material (paper, transparent, or polyester). Refer to 'Media type and size on the printer' on page 27.*

The definition of the size and type of the new print material is required to:
■ Enable the automatic media switch function to work correctly.
■ Support auto format functions.

The paper rolls

When a roll is empty during a print job, a 'Roll empty' message is displayed at the printer operator panel and on the System Control Panel application. You then have to load a new roll of print material.

Note: *You can use the following media for the Océ TDS400:*

- Plain paper 64 g/m2 (55 g/m2)
- Plain paper 75 g/m2 (110 g/m2)
- Biotop paper 80 g/m2
- Green label 80 g/m2
- Recyonomic 80 g/m2
- Transparent paper 75 g/m2
- Transparent paper 90/95 g/m2 (80/85 g/m2)
- Transparent paper 110/115 g/m2
- Translucent 60 g/m2
- Vellum 20 lbs (16 lbs)
- Film 3.5 mil (4 mil)
- Film 4.5 mil

▼ **Reload roll 1**

1 Open the drawer completely (see figure 57).
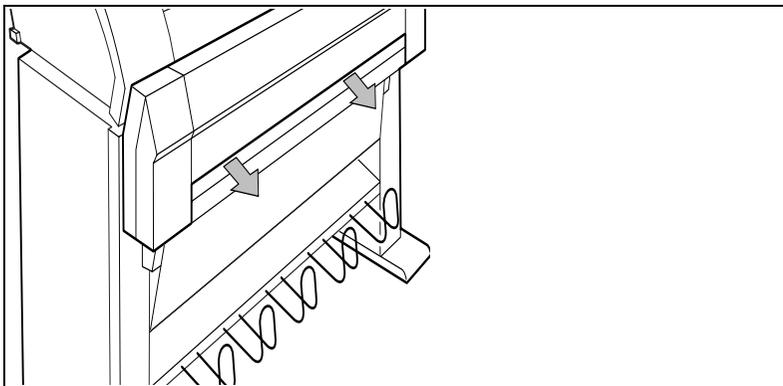
[57] Open the drawer

2 Remove the roll holder from the drawer (see figure 58).
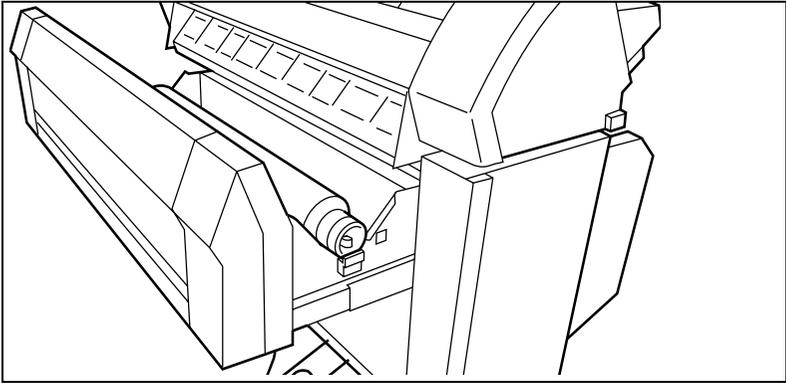
[58] Removing the roll holder from the drawer

3 Remove the empty core from the roll holder while pressing the knob (see figure 59).

4 Slide the roll holder in the new roll of material while pressing the knob (see figure 59). The knob must be at the right hand side and paper must be positioned as shown in figure 59.
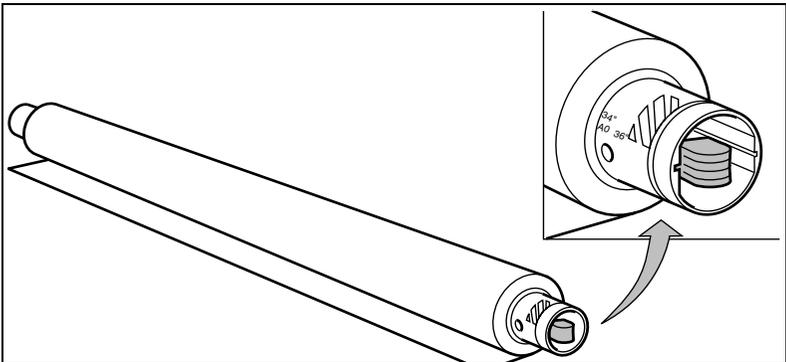
[59] Press the knob

5 Align the roll with the appropriate lines on the roll holder while pressing the knob. This line has to be completely visible.

6 Place the roll holder with the material in the drawer (see figure 60).
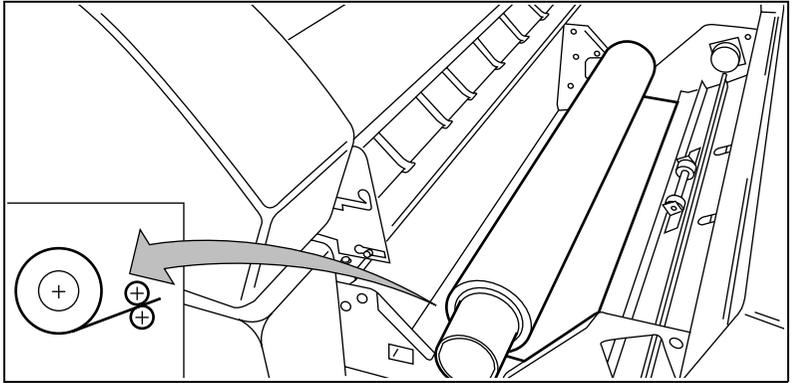
[60] Reposition the roll

7 Feed the material between the input guide plates against the rollers.

8 Turn the rollers until the material is visible (see figure 61). Also refer to the sticker inside the drawer.
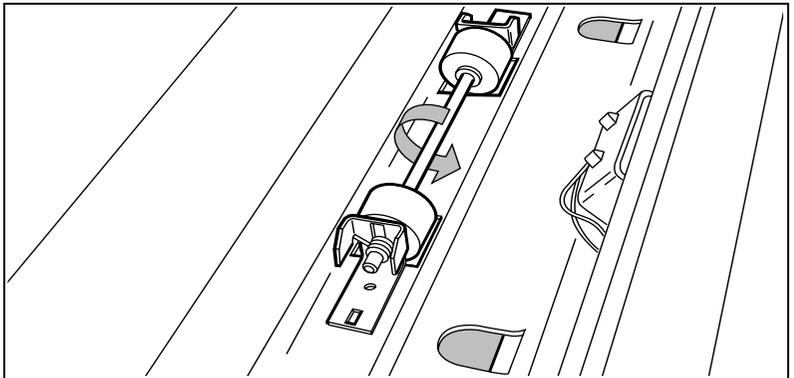
[61] Feed the material

9 If you have inserted a roll with another material or with a different width, you have to program the correct width and material type (refer to 'Media type and size on the printer' on page 27).

If you want to cut the paper to get a straight leading edge refer to 'Cut media' on page 30.

Otherwise continue with the next step.

10 Close the drawer.

11 Press the button 'on line'.

▼ **Reload roll 2**

1 Open the cover to get access to roll 2 (see figure 62).
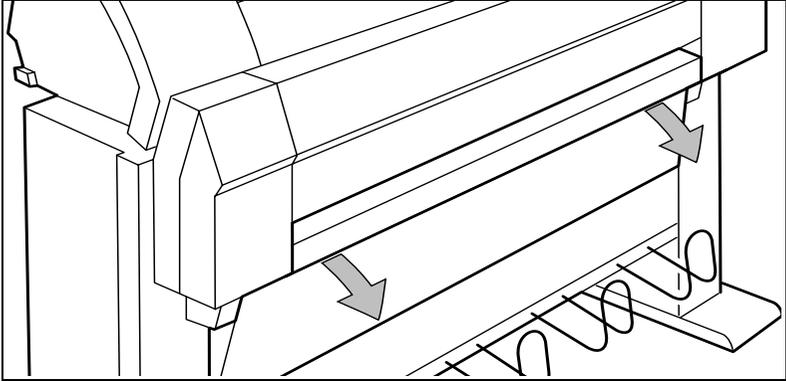
[62] Open the lower paper drawer

2 Remove the roll holder (see figure 63).
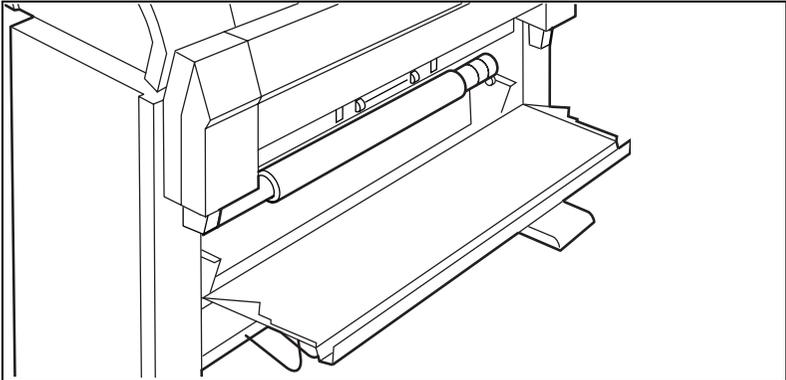
[63] Remove the roll holder from the lower paper drawer

**3** Remove the empty core from the roll holder while pressing the knob (see figure 59 on page 154).

4 Slide the roll holder in the roll of print material while pressing the knob (see figure 59 on page 154).

It is important to have the knob at the right hand side and the paper as shown in figure 59.

5 Align the roll with the appropriate lines on the roll holder while you press the knob.
Place the roll holder with the material in the lower paper compartment (see figure 64).
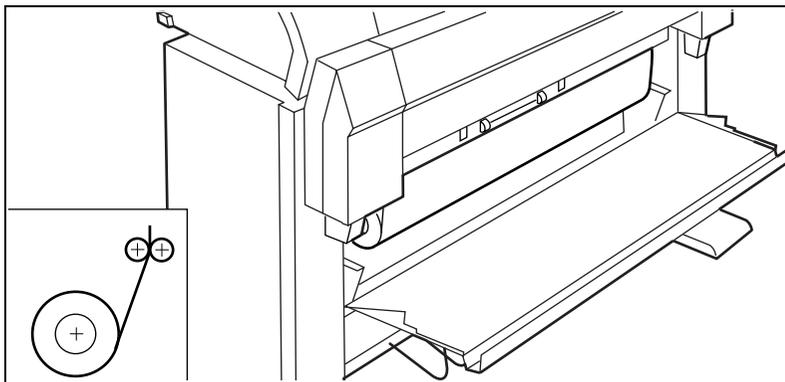
[64] Reposition the roll in the lower paper drawer

6 Feed the material between the input guide plates against the rollers.Turn the rollers until the material is visible (see figure 65). Also refer to the sticker inside the drawer.
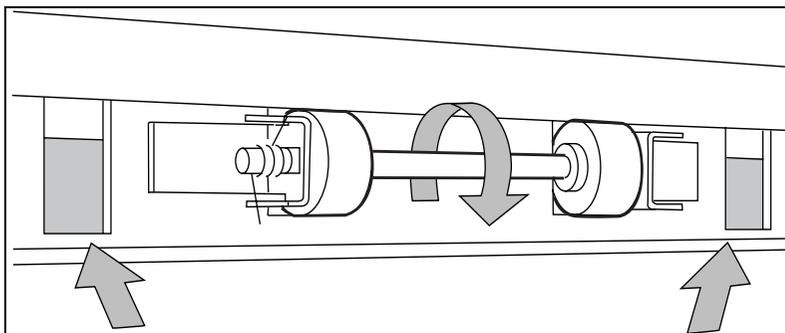

[65] Feed the material

If you want to cut the paper to get a straight leading edge refer to 'Cut media' on page 30.
Otherwise continue with the next step.

7 Close the lower paper compartment.

8 Press the button 'on line'.

How to program media settings

If you insert a new roll with another material or with a different width, set the new roll specifications.

The width of the material	
Material	Size
A0	841 mm
A1	594 mm
A2	420 mm
A3	297 mm
E	34 inch
D	22 inch
C	17 inch
B	11 inch
E+	36 inch
D+	24 inch
C+	18 inch
B+	12 inch
30 inch	30 inch
B1	707 mm
B2	500 mm
700	700 mm
Note: The default is 36 inch	

The material paper, transparent, transparent 110g, vellum, film, film 4,5, translucent. Set the material type according to the following table:

Material properties		
Material	Weight	Media Setting
Plain paper	64 g/m^2(55 g/m^2)	Paper 64g
Plain paper	75 g/m^2(110 g/m^2)	Paper 75g
Biotop paper	80 g/m^2	Paper 75g
Green label	80 g/m^2	Paper 75g
Recyonomic	80 g/m^2	Paper 75g
Transparent paper	75 g/m^2	Transparent 75g
Transparent paper	90/95 g/m^2 (80/85 g/m^2)	Transparent 75g
Transparent paper	110/115 g/m^2	Transparent 110 g
Translucent	60 g/m^2	Translucent
Vellum	20 lbs (16 lbs)	Vellum
Film	3.5 mil (4 mil)	Film 3.5
Film	4.5 mil	Film 4.5

How to refill toner

If the 'Refill toner' message appears on the printer panel, you must refill toner immediately.

Attention: *Use only B5 toner.*

▼   **Refill toner**

1   Turn off the printer.
2   Unscrew the knurled nut at the left hand side of the printer and open the left cover (see figure 66).
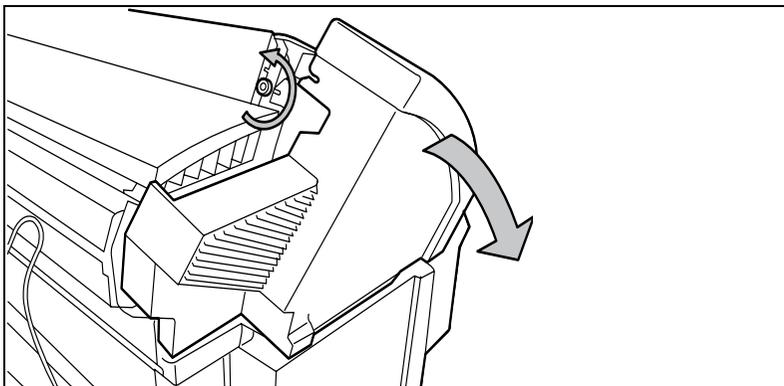
[66] Unscrew the knurled nut and open the cover

3   Shake the toner bottle thoroughly and open the bottle.

4 Screw in the bottle clockwise in a slanted position (see figure 67).
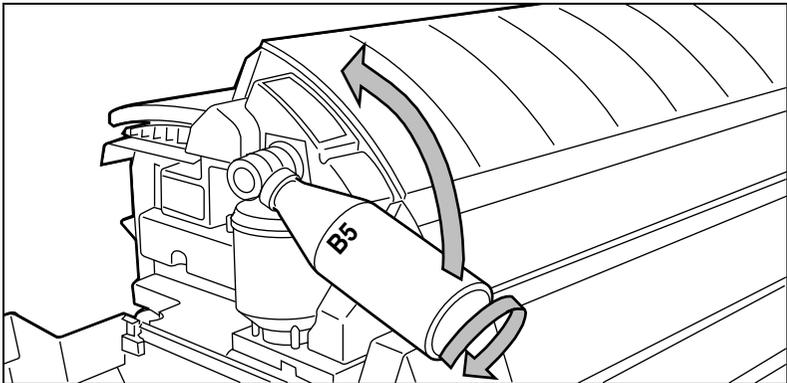
[67] Screw in the bottle

5 Move the toner bottle to a vertical position (see figure 68).
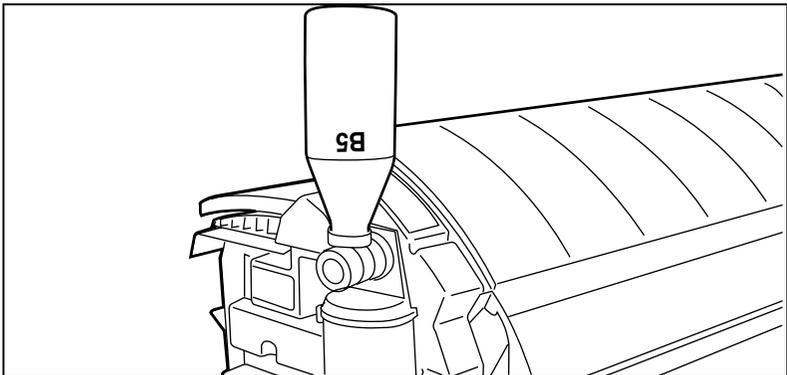
[68] Add toner

6 Tap the toner out of the bottle.

7 When the toner bottle is empty return the bottle to the original position.

8 Unscrew the toner bottle anti clockwise.

▼ **Replace the waste toner bag**

9 Pull the waste toner bag from the holder and place the cap provided on the bag (see figure 69).
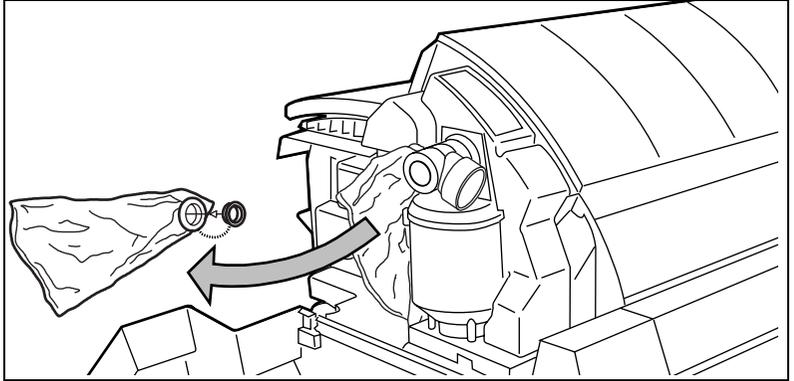
[69] Replace the waste toner bag

10 Slide a new waste toner bag over the holder.

11 Close the cover and tighten the knurled nut.

12 Press the 'on line' button to resume printing.

Note: *Replace the toner waste bag, every time you refill the toner.*

Maintenance of the glass platen and the reference roller of the scanner

If the glass platen of the scanner is dirty or static, it should be cleaned to ensure top quality copies are produced. At the same time you can clean the white reference roller.

▼ **Clean the glass platen and reference roller**

1 Switch off the scanner.

2 Unlock the top cover by pushing the front side of the cover down and pulling it towards.
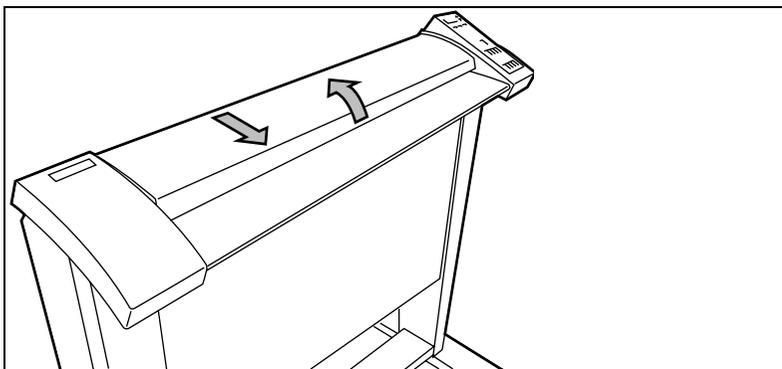
[70] Open the top cover of the scanner

3 Raise the cover (see figure 71 on page 163).

4 Clean the glass platen and the white pressure platen gently with a soft cloth moistened with a small quantity "Cleaner A".
For safety information see the safety data sheet in Appendix B.
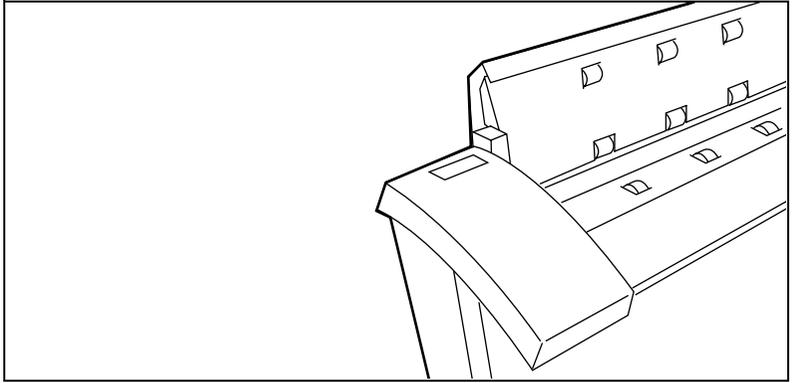
[71] Glass platen and reference roller

5 Lower the top cover.

6 Lock the cover by pushing the front side of the cover down and pushing it back to the rear until you hear a click.
Note: *Make sure that the cover is closed correctly, to ensure proper original transport.*

7 Switch on the scanner.

Chapter 12
How to solve problems

*This chapter describes the problems that can occur with the
Océ TDS400.*

Introduction

This chapter describes problems that can occur with the Océ TDS400 and how to correct the problems.

There are two main categories:
- Original jams in the scanner (see page 167).
- Paper jams in the printer (see page 168).

Stickers on parts of the system indicate which green handles, green knobs, green bars and covers can be lifted, pressed or opened to remove the jammed material.

If you clear the error, the display gives the instruction on how to continue the job. Refer to 'Error messages' on page 39 for complete information about the error messages on the printer operator panel.

Original jams in scanner

If an original jams, you can stop the original with the orange 'cancel' button.

▼ **Remove a jammed original**

1 Unlock the top cover by pushing the front side of the cover down and to pull it towards you. (see figure 72).
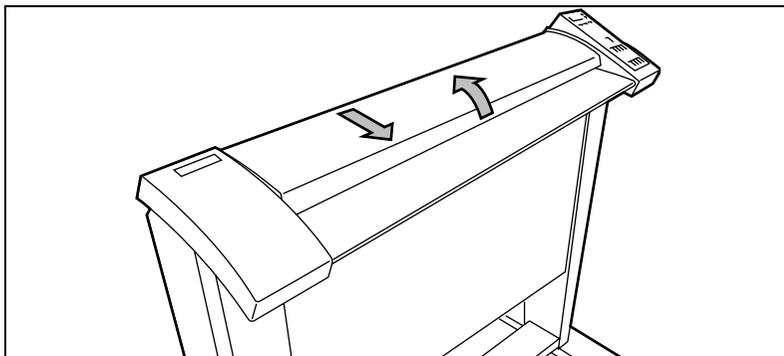
[72] Open the top cover of the scanner

2 Raise the cover (see figure 73)
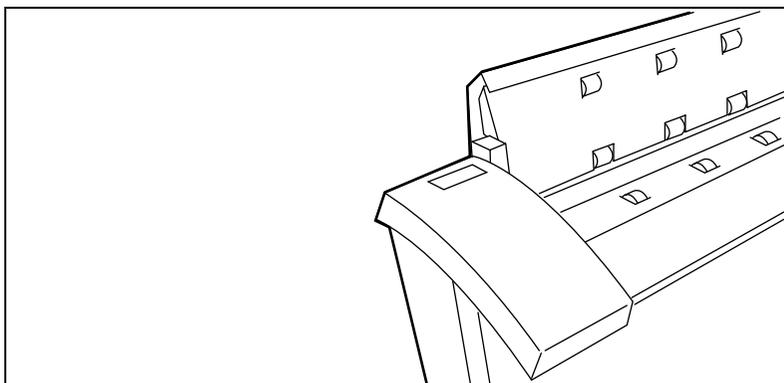
[73] Raise the cover of the scanner

3 Remove the original.
4 Lower the top cover.
5 Lock the cover by pushing the front side of the cover down and to push it back to the rear until you hear a click.

Note: *Make sure that the cover is closed correctly, to make sure correct original move.*

6 Press the 'cancel' button.

How to clear a paper jam

If a jam occurs a message appears on the operator panel. If a paper jam occurs, check if:

- The roll is loaded correct and the media is fed as indicated.
- The correct media is used (see 'List of available material types and sizes' on page 180).
- No scraps of material are blocking the paper path

▼ **Clear a jam in the material feed section**

1 Turn off the printer.

2 Open the correct roll compartment.
Note: *One compartment can be open at a time.*

3 Lower the feed table, use the two catches on the front underneath the feed table (see figure 74).
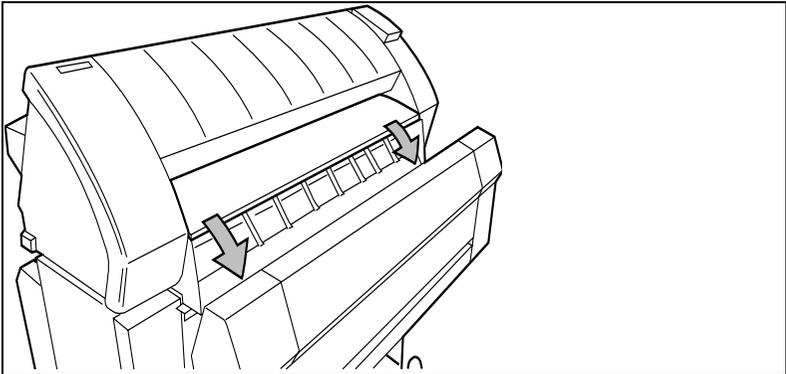
[74] Lower the feed table

4 Remove the jammed material.

5 Close the feed table.

6 Close the roll compartment.

7 Turn on the printer.

Note: *If you can not clear the paper jam by opening the feed table than open the fusing section (see 'How to solve a jam in the fuser section' on page 169).*

How to solve a jam in the fuser section

Caution: *Open the fuser only to remove the paper after a media jam. Because of hot surfaces the operator always has to be cautious and wear heat-protective gloves, when he removes material in the fuser section.*

▼   **Clear a jam in the fuser section**

1 Turn off the printer.
2 Loosen the screw at the left hand side of the machine and open the cover (see figure 75).
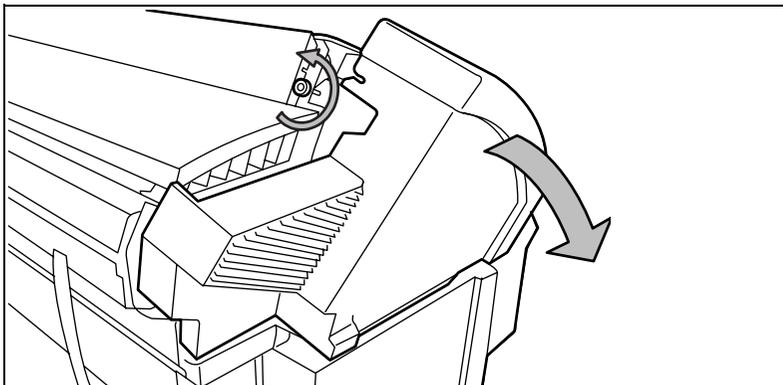
[75] Unscrew the knurled nut to open the cover

3 Lift the green handle (see figure 76).
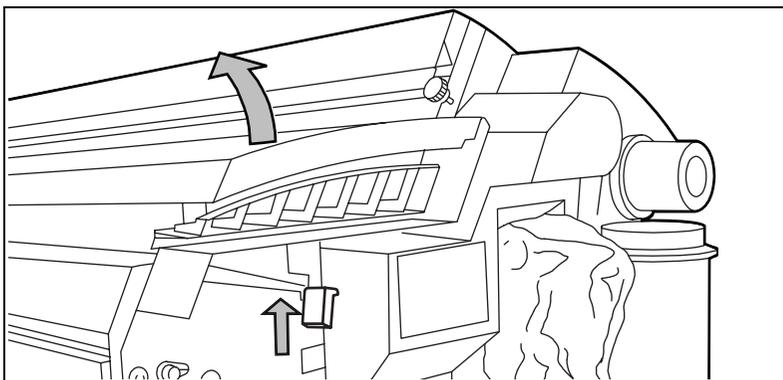
[76] Lift the green handle

4 Open the fuser unit (see figure 77).

Caution: *If the printer is used, the fuser can be hot.*
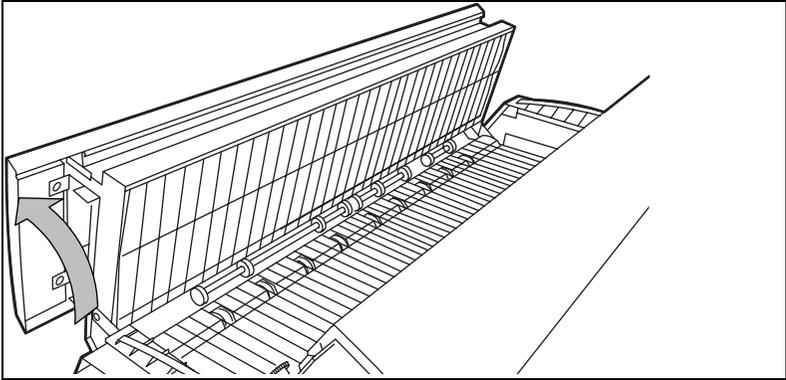
[77] Open the fuser section

5 Remove the jammed material.

Attention: *Be careful! The toner is not fused.*

6 Lift the green handle and close the fuser unit.
7 Close the left cover and tighten the screw.
8 Turn on the printer.

Appendix A
Summary and tables

The Océ TDS400
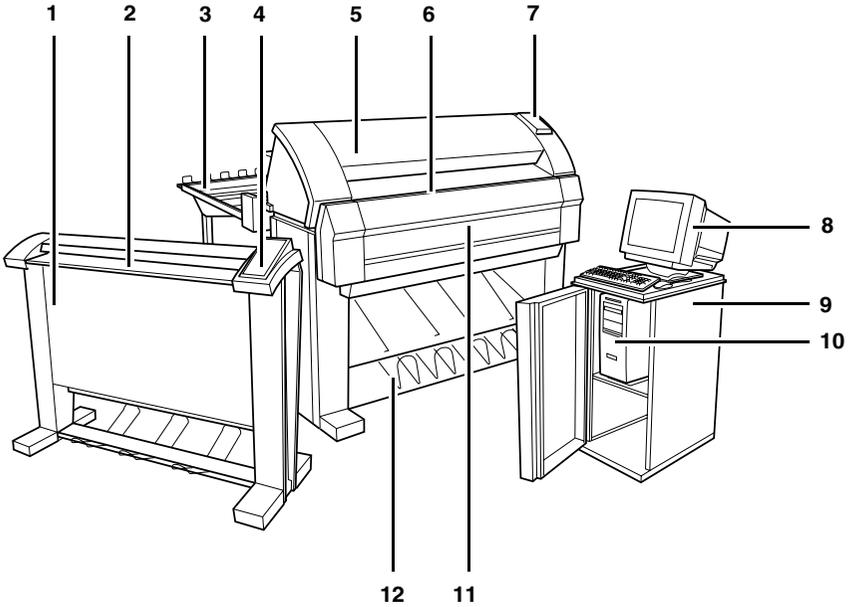
[78] The Océ TDS400 system

1 Scanner
2 Scanner feed table
3 Copy delivery tray
4 Scanner operating panel
5 Printer
6 Manual feed
7 Printer operating panel
8 Monitor
9 Cabinet
10 Océ Power Logic® Controller
11 Rolls
12 Integrated Receiving Tray

Printer operator panel
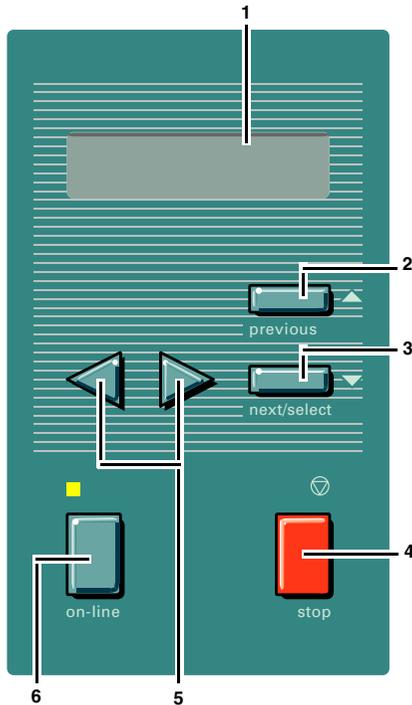
1 The graphics display
2 The previous button
3 The next/select button
4 The stop button
5 The browse buttons (left ◄, right ►)
6 The on-line button

Scanner operator panel

Input button   Output button   Extra button

- set
- sheet
- file
- copy

input   output   extra

Alphanumeric display

Browse buttons

- manual
- roll 2
- roll 1

Media button — media

Confirm button

Exposure button

- trailing
- leading

Zoom button — zoom   exposure   strip

Strip button

Copy quantity display

Start button
- button

start   −   +   cancel

Cancel button
+ button
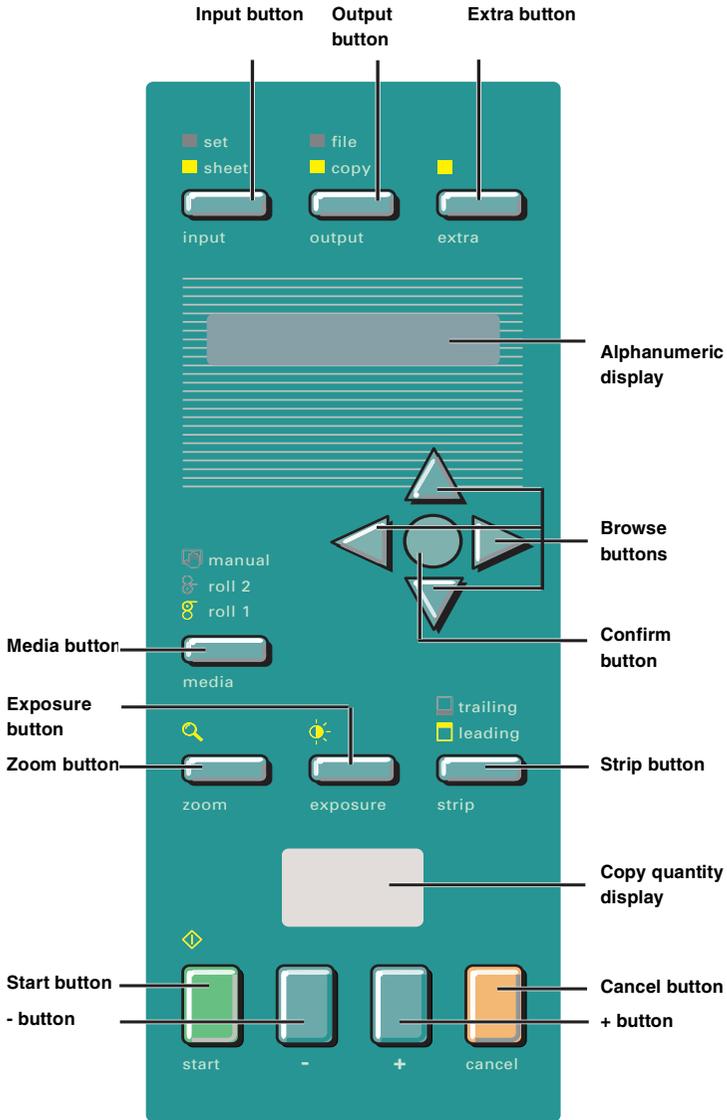
Product specifications Océ TDS400

The Océ TDS400 is a wide format low to medium volume print and copy system.

Printer	
Technology	Electrophotography (LED) with organic photoconductor (OPC) drum and closed toner system
Resolution	600 dpi
Speed	3 linear meters p/min. or approx. 2A0s p/min.
Media sources	1 roll version with manual feed
	2 roll version with manual feed
	2 roll version with manual feed
	Extented integrated stacker for up to 100 prints
Output sizes	From A3 to A0 and 36", a maximum of 15 meters long
Media types	Plain, translucent, transparent, recycled, fluorescent and coloured papers; films and vellum
Output reception	Standard Integrated Receiving Tray (IRT)
Warm up time	None, instant behaviour
Dimensions	1352 mm (W) x 1250 mm (H) x 899mm (D) including integrated receiving tray
Weight	Model with 1 roll 149 kg
	Model with 2 rolls 159 kg

Océ Power Logic® Controller	
Platform	Océ Controller with embedded Windows NT®
Memory	128 MByte RAM standard, expendable to 256 MByte
Disk space	High-speed hard disk dedicated to file spooling, and a high-speed hard disk dedicated to set memory offering 135 A0 storage capacity
File formats	HPGL, HPGL2, HPRTL, TIFF 6.0, CALS type 1, NIRS, EDMICS (C4), CalComp 906/907/951, ASCII, Adobe® PostScript® 3™
Interfaces	Standard: Ethernet 10/100 Mbits/s with RJ45 Optional: Ethernet 10 Mbits/s with BNC and SubD; To-kenRing 4/16 Mbits/s; Centronics
Network protocols	TCP/IP, NetBEUI (smb), Novell (IPX, SPX), FTP, LPD
Cabinet	An option to store the controller
User Interface	GUI with a monitor, keyboard and mouse to use the applications on the controller
Adobe® Postscript® 3™ / PDF	Enables you to print the Postscript® level 3™ files and Portable Document Files (PDF), optional.
Print Exec® LT Web	Optional software which allows you to create and send a set of plots or drawing files to an Océ TDS printer. You can send the settings for these jobs from your workstation, using your web browser.
Account logging	An optional feature that enables you to track how many jobs you make for a customer. This chapter describes how you use the accounting functionality for this purpose.
Functionality	Multiple prints: up to 999 Automatic Language Sensing (ALS) Auto roll selection and switching Plot manipulation: rotation, auto scaling File spooling on the controller Set memory: send once, process once, print many; capacity to store up to 135 A0s and create identical sets sorted by page or by set Concurrent receiving / processing / printing of digital jobs

Océ Remote Logic® software	
Software Application	Functionality
Queue Manager	view status for each job and cancel, hold and restart the entire job
System Control Panel application	view status and settings of system components
Settings Editor	change system settings

Scanner	
Model	Free-standing console
Technology	CCD, Océ Image Logic® real-time image processing hardware
Speed	3 linear metres per minute or approximately 2 A0s per minute
Original feed	Face down, right aligned Automatic feed off/on Rewind original to front off/on
Originals	A4 to A0 sizes and 36", up to 15 metres.
Maximum thickness	1 mm
Exposure control	Automatic background compensation, manual fine adjustment. *Special modes:* Lines & Text, Photo, Blueprint
Media selection	Manual selection of roll 1 or 2 or manual feed.
Reproduction scale	Zoom: 25% - 400% (adjustable in 1% programmable fixed steps) Scan to file zoom: 50% - 200%
Input mode	Single sheet Set (sets processing/set collation)
Other operating functions	Concurrent scanning and printing
Functionality	Multi-copy mode: 1-99 copies (scan once, print many) Pre-programming of next job Programmable default settings Standard cut, synchro cut Scan to file (option) Leading and trailing strip adjustment (remove 400 mm, add 400 mm)
Image editing	Image mirroring
Dimensions	1240 mm (W) x 1105 mm (H) x 615 mm (D)
Weight	65 Kg

Océ Scan Logic®

Application	Océ Scan Manager, integrated scanning solution, including Océ View Station LT
Scan destinations	6 programmable destinations Scan to controller Scan to network directory File Transfer Protocol (FTP)
Resolution	200, 300, 400 dpi
Data formats	Tiff (G3, G4, uncompressed) CALS type 1 PDF
Scan modes	Single scan, batch scanning with or without checkprint
File naming	Automatically generate unique file names for each scan
Check print	To check your scanned file
Viewing	View scans at point of scanning
Océ Image Logic®	Optimum scan quality with special original modes
Ease of use	STF from scanner panel, scan directly to destination
Requirements	256 Mb on controller and a graphical user interface
Options	Océ View Station for editing and enhancement of scanned documents Océ Batch Processor for automated editing.

Drivers and application software

Océ ADI driver	For AutoCAD® 12, 13, and 14 Windows 95/98® and NT 4.0®
Océ HDI driver	For AutoCAD® 2000 Windows 95/98/2000® and NT 4.0®
Océ Windows driver	Windows 95/98/2000® and NT 4.0®
Adobe® PostScript® Level 3™ drivers	For Windows 95/98/2000®, NT 4.0® and Macintosh®
Océ Print Exec® Light Web	Job submission software for Windows 95/98® and NT 4.0®
Note: Check Océ on the internet at www.oce.com for the latest drivers.	

Finishing: copy delivery tray

Model	Wheeled delivery tray with blower unit
Capacity	Up to 150 sheets (media type dependent) from A3 to A0
Types of media	Plain paper, transparent paper, film, vellum, polyester and translucent
Dimensions	1170 mm (W) x 1090 mm (H) x 1440 mm (D) with tray fully extended
Weight	35,5 kg

Compact output stacker

Model	The transport unit that delivers copies and prints on the front-side of the printer.
Capacity	Up to 100 sheets depending on the material.

Dew Preventer

Model	An optional heater to prevent dampness in media

List of available material types and sizes

Océ machines and materials are matched for optimal quality and performance. It is therefore recommended to use only approved Océ materials in the Océ TDS400.

A full list of Océ materials suited for use in the Océ TDS400, including plain paper, transparent paper, coloured papers and various polyester films is available from your Océ representative.

Material types

The following material types are available for the Océ TDS400:

Material Types		
Materials	Weight	
Plain paper	64 g/m^2 (55g/m^2)	
Plain paper	75 g/m^2 (110g/m^2)	
Plain paper	80 g/m^2	
Biotop paper	80 g/m^2	
Green Label	80 g/m^2	
Recyonomic	60 g/m^2	
Translucent paper	75 g/m^2	
Transparent paper	90/95 g/m^2(80/85g/m^2)	
Transparent paper	110/115 g/m^2	
Transparent paper	20 lbs (16 lbs)	
Vellum	3.5 mil (4 mil)	
Film	4.5 mil	
Polyester film	3.5 or 4.5 mil	
Special	Coloured paper, etc.	
	Minimum	Maximum
Width	297 mm	914 mm
Length	420 mm	15 m

The following material sizes are available for the Océ TDS400:

DIN range		
Material	Width [mm]	Length [mm]
A3	297	420
A2	420	594

DIN range		
A1	594	841
A0	841	1189

8,5 inch range		
Material	Width [inch]	Length [inch]
11 inch / B	11	17
17 inch / C	17	22
22 inch / D	22	34
34 inch / E	34	44

9 inch range		
Material	Width [inch]	Length [inch]
12 inch / B+	12	18
18 inch / C+	18	24
24 inch / D+	24	36
36 inch / E+	36	48

Other formats		
Material	Width	Length
30 inch	30 inch	12 inch
B1 carto	700 mm	1000 mm
B1 (DIN)	707 mm	1000 mm
B2 carto	500 mm	700 mm
B2 (DIN)	500 mm	707 mm

Attention: *Avoid storing paper in rooms where temperature and humidity are high. Also, avoid dust and direct sunlight. Wrap unused paper in plastic to prevent it absorbing moisture.*

Automatic format selection

The Océ TDS400 controller switches to the next larger format. For example you set the 8,5 inch range on the printer. The job you print is an A1 format. The printer will automatically select the 30 inch format. The next table shows which format the Océ TDS400 controller chooses if you print a specific format on a chosen range

Automatic format selection				
	Paper series			
	DIN	DIN carto	8,5 inch	Mixed 8,5 and 9,5 inch
DIN range				
A3	X	X		
A2	X	X		
A1	X	X		
A0	X	X		
8,5 inch range				
11 inch / B			X	X
17 inch / C			X	X
22 inch / D			X	X
34 inch / E			X	X
9 inch range				
12 inch / B+				X
18 inch / C+				X
24 inch / D+			X	X
36 inch / E+	X	X	X	X
Other formats				
30 inch			X	X
B1 carto		X		
B1 (DIN)	X			
B2 carto		X		
B2 (DIN)	X			

Summary of standard zoom formats

Standard zoom fixed steps for the DIN paper serie [%]							
Original	A0	A1	A2	A3	36 inch	B1	B2
A0	100	71	50	35	109	84	59
A1	141	100	71	50	153	119	84
A2	200	141	100	71	218	168	119
A3	283	200	141	100	308	238	168
36 inch	107	65	46	32	100	77	55
B1	119	84	59	42	129	100	71
B2	168	119	84	59	183	141	100

Standard zoom fixed steps for the DIN carto paper serie [%]							
Original	A0	A1	A2	A3	36 inch	B1	B2
A0	100	71	50	35	109	83	59
A1	141	100	71	50	153	118	84
A2	200	141	100	71	218	167	119
A3	283	200	141	100	308	236	168
36 inch	107	65	46	32	100	77	55
B1	120	85	60	42	130	100	71
B2	168	119	84	59	183	140	100

Standard zoom fixed steps for the 8,5 inch paper serie [%]							
Original [inch]	11 / B	17 / C	22 / D	24 / D+	30	34 / E	36 / E+
11 / B	100	154	200	218	273	309	327
17 / C	65	100	129	141	176	200	212
22 / D	50	77	100	109	136	155	164
24 / D+	46	71	92	100	125	142	150
30	37	57	73	80	100	113	120
34 / E	32	50	65	71	88	100	106
36 / E+	31	47	61	67	83	94	100

Standard zoom fixed steps for the 8,5 & 9 inch mixed paper serie [%]

Original [inch]	11 / B	12 / B+	17 / C	18 / C+	22 / D	24 / D+	30	34 / E	36 / E+
11 / B	100	109	154	164	200	218	273	309	327
12 / B+	92	100	142	150	183	200	250	283	300
17 / C	65	71	100	106	129	141	176	200	212
18 / C+	61	67	94	100	122	133	167	189	200
22 / D	50	55	77	82	100	109	136	155	164
24 / D+	46	50	71	75	92	100	125	142	150
30	37	40	57	60	73	80	100	113	120
34 / E	32	35	50	53	65	71	88	100	106
36 / E+	31	33	47	50	61	67	83	94	100

Appendix B
Safety information

Instructions for safe use

Océ designed products have been tested in accordance with the strictest international safety standards. To help assure safe working with these products it is important that you observe the following safety rules:

Maintenance

- Do not remove any screws from fixed panels.
- Do not carry out maintenance activities except for the parts and maintenance materials mentioned in this manual.
- Do not place any liquids on the machine.
- Use maintenance materials or other materials for their original purpose only. Keep maintenance materials away from children.
- Do not mix cleaning fluids or other substances.
- To avoid the risk of introducing hazards, all modifications to Océ equipment are strictly reserved to properly qualified and trained service technicians.

Connection

- If for some reason you have to move the machine yourself, please make sure that the mains power point has the right fuse capacity. See the Océ TDS400 safety data sheet in this appendix for information about maximum current.
- Do not bridge any mechanical or electrical circuit breakers.
- Do not use an extension lead to connect the machine.
- This equipment has not been designed for connection to an IT power system. (An IT power system is a voltage network in which the neutral wire is not connected to earth).
- For equipment connected via a wall socket: locate the machine close to a wall socket that is easily accessible.
- For equipment connected via a fixed connection to the electricity grid: the disconnect device in the fixed connection should be easily accessible.

Surroundings

- Do not block the ventilation openings of the machine.
- Ensure that the machine is placed on a level, horizontal surface of sufficient strength. See the Océ TDS400 safety data sheet in this appendix for information about the weight of the equipment.
- Ensure there is sufficient space around the machine. This facilitates reloading materials as well as maintenance.
- Do not place the machine in rooms which are subject to excessive vibration.
- Do not place the machine in rooms which are too small and insufficiently ventilated. See the Océ TDS400 safety data sheet in this appendix for information about space and ventilation requirements.

General

- Always use materials recommended by Océ and developed for this Océ machine. Materials not approved by Océ may result in faults in your machine.
- Do not use the machine when it is emitting unusual sounds. Remove the plug from the power socket or switch off the fixed connection to the electricity grid and contact Customer Service.

Safety data sheets

The disclaimer below is valid for all safety data sheets in this manual. For questions about Océ products regarding health, safety and environment, please contact your Océ organisation; you can find the address in the last appendix of this manual.

Disclaimer The safety data sheets in this manual have been compiled to the best of our knowledge as a compact guide to safe handling of this product. We reserve the right to revise safety data sheets as new information becomes available. It is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary and to contact the company to make sure that the sheet is the latest one issued. If and in so far as limitation of liability is permitted under the applicable laws, we do not accept liability for any inaccuracy that may occur in this information.

Safety data sheet Océ TDS400 printer

PRODUCT SAFETY DATA SHEET

Océ-(UK), Ltd

Number E-717-a-UK
Date August 2000

Model	Océ TDS400 printer			
Description	Electrophotographic printer, instant printing, console model, plain paper, organic photoconductive drum, powder toner			
Max. process speed	3 m/min			

Dimensions		**Engine**		**Controller**
		1 roll	**2** roll	
Width		1352 mm	1352 mm	206 mm
Depth		899 mm	899 mm	437 mm
Height		1251 mm	1251 mm	444 mm
Weight		175 kg	185 kg	15 kg

Voltage	100/115/230 V	100/115/230 V	100/230 V	
Frequency	50/60 Hz	50/60 Hz	50-60 Hz	
Current-rated	15/15/7,5 A	15/15/7,5 A	0,9 A	
Current-max	20/20/10 A	20/20/20/10 A	6/3 A	
Power consumption, stand by	30 W			
Power consumption, operation	1,5 kW 4		0 W	
EPA ENERGY STAR ®				
* Power consumption sleep mode	42 W (total system)			
Mains connection	Cable with plug			
Safety class	I (IEC 536) Protective earth connection			
Protection class	IP 20 (IEC 529)			

	Standby	**In operation**
Sound pressure level (at bystander position)	24 dB(A)	main body 54 dB(A) impulse L$_i$ = 4 dB(A)
Sound power level	40 dB(A)	main body 62 dB(A)
Radio interference	Complies with Directive 89/336/EEC and FCC rules and regulations, part 15 Class A.	
Radiation	Below the Threshold Limit Values for UV, Visible and IR radiation (TLV list of ACGIH).	
Heat emission	Standby 70 W; at continuous operation 1,5 kW	
Ozone emission	0,04 mg/min at continuous operation	

Room volume	Recommendation: min. 25 m^3
Room ventilation	Recommendation: min. 12,5 m^3/h (natural ventilation)
Use simulation at random operation	With a room volume and ventilation as recommended and a daily volume of 150 m (much more than average) the use simulation at random operation gives the following ozone concentrations:
	- Time weighted average 0,01 mg/m^3 (0,005 ppm)
	- Peak 0,002 mg/m^3 (0,001 ppm)
	Threshold Limit Value/Occupational Exposure Limit
	(Time Weighted Average) for ozone 0,2 mg/m^3 (0,1 ppm)
	Odour Perception Limit for ozone 0,04 mg/m^3 (0,02 ppm)

Consumables	Océ OPC Drum (Océ Safety Data Sheet E-218) Océ B5 Toner (Océ Safety Data Sheet E-199) Océ D5 Developer (Océ Safety Data Sheet E-200) Océ Copying Materials. This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281.
Additional safety information	The ozone filter does not have to be replaced to keep the ozone concentration in the workplace below 0,04 mg/m^3 (i.e. the life of the filter equals that of the apparatus).

CE-Compliance	Approved according to Low Voltage Directive 73/23/EEC	Approved according to EMC Directive 89/336/EEC	EPA ENERGY STAR ®

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The content of this safety data sheet is subject to the disclaimer of liability on page 188 of this manual.

Safety information 189

Safety data sheet Océ TDS400 printer and scanner

PRODUCT SAFETY DATA SHEET

Océ-(UK), Ltd

| | Number | E-718-a-UK |
| | Date | August 2000 |

Model	**Océ TDS400**			
Description	Multifunction device, instant copying/printing, consisting of an electrophotographic printer, console model, plain paper, organic photoconductive drum, powder toner and a free standing scanner.			
Max. process speed	3 m/min			

		Engine	**Scanner**	**Controller**	**Monitor (17")**
Dimensions	Width	1352 mm	1240 mm	206 mm	299 mm
	Depth	899 mm	615 mm	437 mm	410 mm
	Height	1251 mm	1105 mm	444 mm	409 mm
Weight		175 kg	65 kg	15 kg	15 kg
		10 kg (extra roll)			

Voltage	100/115/230 V	100/115/230 V	100/230 V	100-230 V
Frequency	50/60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Current-rated	15/15/7,5 A	1,1/1,1/0,7 A	0,9 A	
Current-max	20/20/10 A	1,6/1,6/0,8 A	6/3 A	1,4 A
Power consumption, stand by	30 W	27 W		
Power consumption, operation	1,5 kW	1 40 W	40 W	70 W
EPA ENERGY STAR ®				
* Power consumption sleep mode	52 W (total system)			
Mains connection	Cables with plug			
Safety class	I (IEC 536) Protective earth connection			
Protection class	IP 20 (IEC 529)			

	Standby	**In operation**
Sound pressure level (at bystander position)	24 dB(A)	main body 54 dB(A)
		impulse L_i = 4 dB(A)
Sound power level	41 dB(A)	main body 63 dB(A)
Radio interference	Complies with Directive 89/336/EEC and FCC rules and regulations, part 15 Class A.	
Radiation	Below the Threshold Limit Values for UV, Visible and IR radiation (TLV list of ACGIH)	
Heat emission	Standby 182 W; at continuous operation 1,8 kW	
Ozone emission	0,04 mg/min at continuous operation	

Room volume	Recommendation: min. 25 m^3
Room ventilation	Recommendation: min.12,5 m^3/h (natural ventilation)
Use simulation at random operation	With a room volume and ventilation as recommended and a daily volume of 150 m (much more than average) the use simulation at random operation gives the following ozone concentrations:
	- Time weighted average 0,01 mg/m^3 (0,005 ppm)
	- Peak 0,002 mg/m^3 (0,001 ppm)
	Threshold Limit Value/Occupational Exposure Limit
	(Time Weighted Average) for ozone 0,2 mg/m^3 (0,1 ppm)
	Odour Perception Limit for ozone 0,04 mg/m^3 (0,02 ppm)

Consumables	Océ OPC Drum (Océ Safety Data Sheet E-218)
	Océ B5 Toner (Océ Safety Data Sheet E-199)
	Océ D5 Developer (Océ Safety Data Sheet E-200)
	Océ Copying Materials.
	This apparatus is suitable for processing recycling paper which complies with the requirements of ENV 12281.

Additional safety information	The ozone filter does not have to be replaced to keep the ozone concentration in the workplace below 0,04 mg/m^3 (i.e. the life of the filter equals that of the apparatus).

CE-Compliance	Approved according to Low Voltage Directive 73/23/EEC	Approved according to EMC Directive 89/336/EEC	EPA ENERGY STAR ®
CE	GS TUV	CETECOM EMC Production Surveillance	energy

The content of this safety data sheet is subject to the disclaimer of liability on page 188 of this manual.

Safety data sheet Océ B5 toner

Océ B5 Toner

1. Product and company identification

Product name	Oc B5 Toner
Packing	Polyethylene bottle, contents 0,45 kg/1.1 lb
Company	Oc (UK) Ltd.
Address	Langston Road, Loughton, Essex IG10 3SL
Telephone	0181-508 5544 (contact product safety coordinator)
Telefax	0181-508 6689

2. Composition / information on ingredients

Ingredients	CAS No.	ClassiPcation	Weight %
Poly ester resin	170831-75-1		25-50
Pheno xy resin	PMN P-95-461		25-50
Iron o xide	1317-61-9		10-25
Carbon b lack	1333-86-4		1-5
Amor phous Silica	68611-44-9		<1
Pigment			<1

3. Hazards identification

In a toner dust cloud the formation of an explosive dust-air mixture is possible.
Toner dust may cause discomfort for the eyes and respiratory tract, in the same manner as inert nuisance dust.
To our knowledge, with due observance of the recommended exposure limit and of normal hygiene this product presents no health hazard in normal use.

4. First aid measures

Eyes contact	Rinse with plenty of water.
Skin contact	Wash with cold water and soap.
Inhalation	Clean nose, mouth, throat. Cough up. Fresh air.
Ingestion	Rinse mouth with water. If large quantity swallowed seek medical advice.

For any medical advice take along this material safety data sheet.

5. Fire fighting measures

Extinguishing media	Dry chemical, carbon dioxide, water spray (fog), foam
Special fire fighting precautions	N.A.
Hazardous products of decomposition	N.A.

6. Accidental release measures

Spills can be cleaned with a vacuum cleaner or a damp rag. Do not use warm water, because this makes the powder soft and sticky.

7. Handling and storage

Keep bottle tightly closed to prevent dust formation. Handle carefully. Avoid breathing dust.
No special technical measures for storage.

8. Exposure controls / personal protection

No special technical measures. No personal protective equipment needed.
Industrial hygiene: after skin contact wash with cold water and soap.
Threshold Limit Value for:

* nuisance dust	10 mg/m^3
* carbon black	3,5 mg/m^3
* amorphous silica	10 mg/m^3

MATERIAL SAFETY DATA SHEET
(93/112/EEC and ISO 11014-1)

Number	E-199-a-UK
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Océ B5 Toner

9. Physical and chemical properties

Explosion limits (dust explosion) **LEL** 60 g/m^3. **UEL** U (= unknown)		**Flash point (^{o}C)**	N.A. (=Not Applicable)
Appearance and odour	Black powder, faint odour	**Ignition temperature (^{o}C)**	U.
Boiling point (^{o}C)	N.A	**Bulk density (kg/m^3)**	Approx. 1400
Vapour density (air = 1)	N.A.	**Softening point (^{o}C)**	Approx. 50
Solubility in water	Insoluble	**Evaporation rate (butyl acetate = 1)**	N.A.
Vapour pressure	N.A.	**% Volatile**	0
Other characteristics	N.A.	**pH (solution)**	N.A.

10. Stability and reactivity

Thermal decomposition	Above approx. 450 ^{o}C
Hazardous decomposition products	None at intended use
Hazardous reaction	None at intended use

11. Toxicological information

Inhalation	* At high concentr ation in air the po wder ma y cause discomf or t of upper respir ator y system.
Skin	* No adv erse health eff ects are e xpected.
Eyes	* Dust ma y cause discomf or t in the same manner as n uisance dust.
Ingestion	* Considered relativ ely har mless .
Mutagenicity	No mutagenicity detected in Ames test of similar toners .

* These statements are based on to xicological liter ature on the ing redients of this product and test results of similar products .

12. Ecological information

This product is not biodegradable.
The ing redients are not classified as ecologically hazardous. No adverse environmental effects are expected.

13. Disposal considerations

Pack waste dustproof to prevent dusting. With due observance of local laws and regulations, dispose of by burial in a sanitary landfill or incineration. Do not throw in open fire, in order to prevent the risk of a dust explosion.

14. Transport information

This product is not classified as a dangerous substance according to the international transport regulations.

15. Regulatory information

This product is not classified as a dangerous preparation according to the European Directives 67/548/EEC and 88/379/EEC for the classification, packaging and labelling of dangerous substances and preparations.
Therefore, indications of special risks or safety advice on the packing are not prescribed for this product.

16. Other information

Use: ink powder for printers.
Room ventilation: see operator manual or safety data sheet for the machine.

The content of this safety data sheet is subject to the disclaimer on page 188 of this manual.

Safety data sheet Océ D5 Developer

MATERIAL SAFETY DATA SHEET
(93/112/EEC and ISO 11014-1)

Number E-200-a-UK
Date October 1997
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Océ D5 Developer

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1. Product and company identification

Product name	Océ D5 Developer
Packing	Polyethylene bottle, contents 1,75 kg/3.86 lb
Company	Océ (UK) Ltd.
Address	Langston Road, Loughton, Essex IG10 3SL
Telephone	0181-508 5544 (contact product safety coordinator)
Telefax	0181-508 6689

2. Composition / information on ingredients

Ingredients	CAS No.	ClassiPcation	Weight %
Iron oxide	1317-61-9		50-100
Polyester resin	170831-75-1		1-5
Phenoxy resin	PMN P-95-461		1-5
Carbon black	1333-86-4		< 1
Amorphous Silica	68611-44-9		< 1
Pigments			< 1

3. Hazards identification

In a developer dust cloud the formation of an explosive dust-air mixture is possible.
Developer dust may cause discomfort for the eyes and respiratory tract, in the same manner as inert nuisance dust.
To our knowledge, with due observance of the recommended exposure limit and of normal hygiene this product presents no health hazard in normal use.

4. First aid measures

Eyes contact	Rinse with plenty of water.
Skin contact	Wash with cold water and soap.
Inhalation	Clean nose, mouth, throat. Cough up. Fresh air.
Ingestion	Rinse mouth with water. If large quantity swallowed seek medical advice.

For any medical advice take along this material safety data sheet.

5. Fire fighting measures

Extinguishing media	Dry chemical, carbon dioxide, water spray (fog), foam
Special fire fighting precautions	N.A.
Hazardous products of decomposition	N.A.

6. Accidental release measures

Spills can be cleaned with a vacuum cleaner or a damp rag. Do not use warm water, because this makes the powder soft and sticky.

7. Handling and storage

Keep bottle tightly closed to prevent dust formation. Handle carefully. Avoid breathing dust.
No special technical measures for storage.

8. Exposure controls / personal protection

No special technical measures. No personal protective equipment needed.
Industrial hygiene: after skin contact wash with cold water and soap.
Threshold Limit Value for:
  * nuisance dust $10 \ mg/m^3$
  * carbon black $3,5 \ mg/m^3$
  * amorphous silica $10 \ mg/m^3$

MATERIAL SAFETY DATA SHEET
(93/112/EEC and ISO 11014-1)

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Océ D5 Developer

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9. Physical and chemical properties

Explosion limits (dust explosion) **LEL**(= unknown)**UEL** U		**Flash point** (^{o}C)	N.A. (=Not Applicable)
Appearance and odour	Black powder, faint odour	**Ignition temperature** (^{o}C)	U
Boiling point (^{o}C)	N.A	**Bulk density** (kg/m^3)	Approx. 2500
Vapour density (air = 1)	N.A.	**Softening point** (^{o}C)	Approx. 50
Solubility in water	Insoluble	**Evaporation rate (butyl acetate = 1)**	N.A.
Vapour pressure	N.A.	**% Volatile**	0
Other characteristics	N.A.	**pH (solution)**	N.A.

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10. Stability and reactivity

Thermal decomposition	Above approx. 450 ^{o}C
Hazardous decomposition products	None at intended use
Hazardous reaction	None at intended use

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11. Toxicological information

Inhalation	* At high concentration in air the powder may cause discomfort of upper respiratory system.
Skin	* No adverse health effectsare expected.
Eyes	* Dust may cause discomfort in the same manner as nuisance dust.
Ingestion	* Considered relatively harmless.
Mutagenicity	No mutagenicity detected in Ames-test of similar products.

* These statements are based on toxicological literature on the ingredients of this product and test results of similar products.

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12. Ecological information

This product is not biodegradable.
The ingredients are not classified as ecologically hazardous. No adverse environmental effects are expected.

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13. Disposal considerations

Pack waste dustproof to prevent dusting. With due observance of local laws and regulations, dispose of by burial in a sanitary landfill or incineration. Do not throw in open fire, in order to prevent the risk of a dust explosion.

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14. Transport information

This product is not classified as a dangerous substance according to the international transport regulations.

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15. Regulatory information

This product is not classified as a dangerous preparation according to the European Directives 67/548/EEC and 88/379/EEC for the classification, packaging and labelling of dangerous substances and preparations.
Therefore, indications of special risks or safety advice on the packing are not prescribed for this product.

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16. Other information

Use: ink powder for printers.
Room ventilation: see operator manual or safety data sheet for the machine.

The content of this safety data sheet is subject to the disclaimer on page 188 of this manual.

Safety data sheet Océ OPC drum

MATERIAL SAFETY DATA SHEET
(93/112/EEC and ISO 11014-1)

Number	E-218-a-UK
Date	April 1998
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Océ OPC Drum Part No. 2912571, Océ ES102 OPC Part No. 7069008

1. Product and company identification

Product name	Océ OPC Drum Part No. 2912571, Océ ES102 OPC Part No. 7069008
	OPC for Océ 705x, 707x, 9400 and 9600
Packing	Cardboard box
Company	Océ (UK) Ltd.
Address	Langston Road, Loughton, Essex IG10 3SL
Telephone	0181-508 5544 (contact product safety coordinator)
Telefax	0181-508 6689

2. Composition / information on ingredients

Ingredients	CAS No.	ClassiPcation	Weight %
Aluminium	7429-90-5		>99
Resins			< 1
Pigments			< 1

3. Hazards identification

To our knowledge this product presents no health hazard in normal use.

4. First aid measures

Eyes contact	Not Applicable(=N.A.)
Skin contact	N.A.
Inhalation	N.A.
Ingestion	N.A.

For any medical advice take along this material safety data sheet.

5. Fire fighting measures

Extinguishing media	Dry chemical, carbon dioxide, water spray (fog), foam
Special fire fighting precautions	N.A.
Hazardous combustion products	Carbon monoxide, carbon dioxide.

6. Accidental release measures

N.A.

7. Handling and storage

No special technical measures for storage.

8. Exposure controls / personal protection

No special technical measures. No personal protective equipment needed.
No special work hygiene practices needed.

MATERIAL SAFETY DATA SHEET
(93/112/EEC and ISO 11014-1)

Number E-218-a-UK
Date April 1998
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Océ OPC Drum Part No. 2912571, Océ ES102 OPC Part No. 7069008

9. Physical and chemical properties

Explosion limits (dust explosion) **LEL** N.A. **UEL** N.A.		**Flash point (°C)**	N.A.
Appearance and odour	brown coloured aluminium cylinder	**Ignition temperature (°C)**	N.A
Boiling point (°C)	N.A	**Density (g/cm^3)**	2,7
Vapour density (air = 1)	N.A.	**Melting point (°C)**	N.A.
Solubility in water	Insoluble	**Evaporation rate (butyl acetate =1)**	N.A.
Vapour pressure	N.A.	**% Volatile**	0
Other characteristics	N.A.	**pH (solution)**	N.A.

10. Stability and reactivity

Thermal decomposition	None at intended use
Hazardous decomposition products	None at intended use
Hazardous reaction	None at intended use

11. Toxicological information

Inhalation	N.A.
Skin	No adverse health effects are expected. (Based on toxicological literature on the ingredients of this product)
Eyes	N.A.
Ingestion	N.A.
Mutagenicity	No mutagenicity detected in Ames test. None of the ingredients is listed as mutagenic or carcinogenic.

12. Ecological information

This product is not biodegradable.
The ingredients are not classiÞed as ecologically hazardous. No adverse environmental effects are expected.

13. Disposal considerations

The drum will be returned to Oc for re-use.

14. Transport information

This product is not classified as a dangerous substance according to the international transport regulations.

15. Regulatory information

This product is an article and contains no dangerous substances. Therefore, indications of special risks or safety advice on the packing are not prescribed for this product.

16. Other information

Use: photoconductor for printers and copiers.

The content of this safety data sheet is subject to the disclaimer on page 188 of this manual.

Safety data sheet Océ Cleaner A

Safety Data Sheet

No.	*E-104-a-UK*
Date	*February 1991*

océ

Commercial product name	*Océ Cleaner A, Part No. 1068104*
Packing	*Polyethylene bottle, contents 100 ml*
Use	*Antistatic cleaning and maintenance fluid for glass surfaces*

Company	*Océ-(UK) Ltd.*
Address	*Langston Road, Loughton, Essex IG10 3TH*
Telephone	*01-508 5544 (contact product safety coordinator)*
Telefax	*01-508 6689*

1.1 Chemical characterization

Preparation:

Water	*CAS No. 7732-18-5*	*50 - 100 %*
Petroleum distillate		
(free of aromatic hydrocarbons)	*CAS No. 8002-05-09*	*10 - 25 %*
Silicone oil	*CAS No. 67762-92-9*	*1 - 5 %*
Emulsifier		*< 1 %*

1.2 Form: *liquid*   1.3 Colour: *white*   1.4 Odour: *faint*

2   Physical and safety data

2.1	Change in physical state Boiling point	*approx. 100* °C
2.2	Density (water = 1)	*approx. 1* g/cm³
2.3	Vapour pressure (*20* °C)	*approx. 23* mbar
2.4	Viscosity (°C)	*U (= Unknown)* mPa.s
2.5	Solubility in water in	*miscible* g/l g/l
2.6	pH (in g/l H2O) (*20* °C)	*6 to 7*
2.7	Flash point	*> 100* °C
2.8	Ignition temperature	*U* °C
2.9	Explosion limits: lower: *U*	upper: *U*
2.10	Thermal decomposition	*No decomposition at normal use*
2.11	Hazardous decomposition products	*Carbon monoxide in case of incomplete combustion*
2.12	Hazardous reaction	*None*
2.13	Further information	

3   Transport

IMDG-Code: *N.A.*	UN-No: *N.A.*	ICAO/IATA-DGR: *N.A.*
RID/ADR: *N.A.*	ADNR: *N.A.*	

Other information: *Not classified as a dangerous substance.*

4   Regulations

OSHA Permissible Exposure Limit for petroleum distillate (CAS No. 8002-05-09): 2000 mg/m³ (500 ppm).

This product is not classified as a dangerous preparation according to the European Directives 67/548/EEC and 88/379/EEC for the classification, packaging and labelling of dangerous substances and preparations. Therefore , indications of special risks or safety advice on the packing are not prescribed for this product.

Commercial product name   *Océ Cleaner A, Part No. 1068104*

5	**Protective measures, storage and handling**

5.1   Technical protective measures
      No

5.2   **Personal protective equipment**
      Respiratory protection: *No*   Eye protection: *No*
      Hand protection: *None needed at normal use.*   Other: *No*

5.3   Industrial hygiene
      Avoid frequent or prolonged skin contact.

5.4   Protection against fire and explosion:
      No special measures.

5.5   Disposal
      Do not empty into drains. Dispose of in accordance with local laws and regulations.

6	**Measures in case of accidents and fire**

6.1   After spillage/leakage/gas leakage
      Remove spills with water.

6.2   Extinguishing media
            Suitable: *water, dry powder, carbon dioxide.*
            Not to be used:

6.3   **First aid**
      Inhalation   :   *Fresh air.*
      Skin   :   *Wash with water.*
      Eyes   :   *Rinse with plenty of water for 5 minutes.*
      Ingestion   :   *Do not induce vomiting, seek medical advice.*

6.4   Further information
      For any medical advice take along this safety data sheet.

7	**Information on toxicity**

Inhalation   :   *Considered relatively harmless.*
Skin   :   *Frequent or prolonged contact with petroleum distillate defats the skin and may cause dermatitis.*
Eyes   :   *Contact with eyes may cause redness and burning feeling.*
Ingestion   :   *Ingestion of petroleum distillate may cause aspiration of droplets and chemical pneumonitis.*
                  It is unknown whether this emulsion may have the same effect.
Mutagenicity :   *None of the ingredients is reported in literature as a mutagenic or carcinogenic agent.*

During normal use no adverse health effects are to be expected.

8	**Information on ecological effects**

9	**Further information**

See information leaflet in the Océ Cleaner A Kit.

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The content of this safety data sheet is subject to the disclaimer on page 188 of this manual.

EPA ENERGY STAR®

Océ-Technologies B.V. has joined the ENERGY STAR® Program of the United States Environmental Protection Agency (EPA). The purpose of the ENERGY STAR® Program is to promote the manufacturing and marketing of energy-efficient equipment, thereby potentially reducing combustion-related pollution. Using the energy management features outlined below prevents unnecessary power consumption, which helps to prevent air pollution from electricity generating plants and saves money on your utility bills.

As an ENERGY STAR® Partner, Océ-Technologies B.V. has determined that this copier model meets the ENERGY STAR® guidelines for energy efficiency.

The EPA ENERGY STAR® Criteria for copiers involve the following features:

low power mode In the low power mode, the power consumption of certain functions is automatically reduced to save energy. The printer enters the low power mode 30 minutes after the last copy is made[1]. This default time can be adjusted by the key operator to between 5 and 120 minutes. The scanner enters the low power mode 10 minutes after the last copy is made[1]. This default time can be adjusted by the key operator to between 5 and 120 minutes. The low power mode recovery time is less than 1 seconds, after which copying can be resumed.

recycled copier paper The use of recycled paper also benefits the environment. This copier is designed to use recycled paper. Product literature on recommended types of recycled copier paper can be obtained from your local Océ company or Océ Headquarters (Océ-Technologies B.V.) in Venlo, the Netherlands.

[1]For power consumption data: see Product Safety Data Sheet in this appendix.

ENERGY STAR® is a U.S. registered mark.

Appendix C
Miscellaneous

Notation conventions

There are a number of notation conventions used in this manual. This consistent style enables you to quickly become conversant with the use of this manual and consequently the Océ TDS400.

Description Each section or subsection contains a description of the feature or operation identified in the title. It might also include possible applications, as well as any guidelines that you should bear in mind.

Procedures A description is followed by a procedure. A procedure always begins with a phrase which briefly describes the procedure, followed by a series of numbered steps that take you, step by step, through all phases of performing the operation.

Figures and tables Figures and tables are titled and numbered in a sequential way throughout this manual. Figures include pictures of product components, screendumps, examples, and diagrams of concepts discussed in the description.

Attention getters There are several types of information to which we draw your attention. This information is classified as follows:

Note: *In a 'Note', information is given about matters which ensure the proper functioning of the machine or application, but useful advice concerning its operation may also be given.*

Attention: *The information that follows 'Attention' is given to prevent something (your copy or original, the copier or printer, data files etc.) being damaged.*

Caution: *The information that follows 'Caution' is given to prevent you suffering personal injury.*

Reader's comment sheet

Have you found this manual to be accurate?

- ❏ Yes
- ❏ No

Could you operate the product after reading this manual?

- ❏ Yes
- ❏ No

Does this manual provide enough background information?

- ❏ Yes
- ❏ No

Is the format of this manual convenient in size, readability and arrangement (page layout, chapter order, etc.)?

- ❏ Yes
- ❏ No

Could you find the information you were looking for?

- ❏ Always
- ❏ Most of the times
- ❏ Sometimes
- ❏ Not at all

What did you use to find the required information?

- ❏ Table of contents
- ❏ Index

Are you satisfied with this manual?

- ❏ Yes
- ❏ No

Thank you for evaluating this manual.
If you have other comments or concerns, please explain or suggest improvements overleaf or on a separate sheet.

Comments:

Date:

This reader's comment sheet is completed by:
(If you prefer to remain unknown, please do fill in your occupation)

Name:

Occupation:

Company:

Phone:

Address:

City:

Country:

Please return this sheet to:

Océ-Technologies B.V.
For the attention of ITC User Documentation.
P.O. Box 101,
5900 MA Venlo
The Netherlands

Send you comments by E-mail to: itc-userdoc@oce.nl

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