Océ TCS400

User's Manual

Océ-Technologies B.V.

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.

This manual contains the following safety information:

- Appendix B lists instructions for safe use.
  You are advised to read this information before you start using the system.
  Technical safety information, such as safety data sheets, can also be found in this appendix.
- Where applicable, cautions and attentions are used throughout this guide to point out safety precautions to be adhered to. (see '*Notation conventions*' on page *10*)

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Chapter 1
Introduction

Notation conventions

Definition

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 TCS400.

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 the proper function of the machine or application. 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.) from being damaged.*

Caution: *The information that follows **Caution** is given to prevent you from suffering personal injury.*

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 sequentially throughout this manual. Figures include pictures of product components, screendumps, examples, and diagrams of concepts discussed in the description.

The documentation set

Introduction

This user manual describes how to operate the Océ TCS400 and helps you make optimal use of the Océ TCS400. This user manual is intended for common users, key operators, system administrators and repro operators. (see '*The Océ TCS400 users*' on page *13*)

The complete documentation set of the Océ TCS400 includes the following:

- The Océ TCS400 user manual
- The Océ Power Logic® controller connectivity manual
- The self-support guide
- On-line help files in the Océ Power Logic® applications
- An additional context-sensitive, abridged version of the on-line help in the Océ Settings Editor
- The documentation for the drivers and the job submission software.

The User's Manual

The User's Manual is supplied with the Océ TCS400, as a PDF file in 16 languages on the CD-ROM.
You can also contact your local Océ organization for the latest version of the User's Manual.

The Connectivity Manual

The connectivity manual is supplied as a PDF on a separate CD-ROM (English only).

The Self-support Guide

The self support guide is supplied as a booklet in 18 languages. The Self-support Guide has two chapters. The first chapter contains tips to help you find solutions to the questions that can occur when using the system. The second chapter contains safety information that you can also find in appendix B of this manual. (see '*Instructions for safe use*' on page *304*)

On-line help files in the Océ Power Logic® applications

The on-line help files in the Océ Power Logic® applications include detailed descriptions of all functional aspects of the applications.
The on-line help files in the Océ Power Logic® applications are supplied in all the supported languages.
The generic help describes how to connect to a controller from a remote location.

The Océ Settings Editor includes an additional context-sensitive concise help besides the traditional on-line help in the help menu. This concise help text is displayed when you select a setting. This concise help is an abridged version of the on-line help in the help menu.

The documentation for the drivers and the job submission software

The documentation set for the drivers and the job submission software includes the following:

- Windows® Printer Driver
  An installation guide to help you to install the driver.
  Windows Printer Drivers Self-support Guide.
  An on-line help with detailed descriptions of all functional aspects.
- Océ Postscript 3 driver
  A getting started manual to help you to install and configure the driver.
  An on-line help with detailed descriptions of all functional aspects.
- Océ ADI/HDI driver
  An installation guide to help you to install the driver.
  AutoCAD Printer Drivers self support guide.
  An on-line help with detailed descriptions of all functional aspects.
- Océ Print Exec® job submission software.
  On-line help files with detailed descriptions of all functional aspects.

The Océ TCS400 users

Introduction

The Océ TCS400 has the following types of users:

- Common user
- Repro operator
- Key operator
- System administrator.

Common user

The common user is a person who uses the system for print jobs, copy jobs or scan to file jobs. The common user has no permissions to change the system settings. The Océ Power Logic® controller software does not authenticate the common user. Therefore the common user is referred to as an anonymous user. In order to be consistent with the Océ Power Logic® controller software, the common user is referred to as an anonymous user in this manual.

Repro operator

The repro operator is responsible for the daily use of the Océ TCS400 in a central repro department. The repro operator has no permissions to change the settings in the Océ Settings Editor. In the Océ Queue Manager the repro operator has the same permissions as the key operator. In the Océ Scan Manager the repro operator can delete destinations and files.

Key operator

The key operator is responsible for the user maintenance and the system settings of the Océ TCS400.
The key operator has the permission to define the key operator settings in the Océ Settings Editor.

The key operator has full permission in the Océ Queue Manager, the Océ System Control Panel, and the Océ Scan Manager.

System administrator

The system administrator is responsible for installing and configuring the Océ TCS400 in the network environment.

The system administrator has the following tasks and permissions in the Océ Settings Editor:

- Update the IT8 data file for scanner calibration
- Define the system administrator settings in the Océ Settings Editor.

Chapter 2
Get to know the Océ TCS400

The Océ TCS400 multifunctional color system

Introduction

The Océ TCS400 is a modular wide-format color system.
The Océ TCS400 offers a wide range of print, copy, and scan-to-file functionality. The Océ TCS400 uses the CMYK color model. The printer contains printheads for cyan, magenta, yellow, and black (CMYK) and is based on thermal inkjet technology.

The Océ TCS400 consists of the following modules:

- The printer
- The scanner
- The Océ Power Logic® Controller.

The modular construction of the Océ TCS400 allows you to create a customized configuration. The Océ Power Logic® Controller is required for all configurations.

The Océ TCS400 main components

When you have a configuration without a monitor, a keyboard and a mouse directly connected to the controller, you can place the Océ Power Logic® controller inside the controller cabinet of the printer.
When you have a configuration with a monitor, a keyboard and a mouse directly connected to the controller, you cannot place the Océ Power Logic® controller inside the controller cabinet of the printer.
You can always place the Océ Power Logic® controller inside a separate controller cabinet.

The following figure depicts a Océ TCS400 with a complete configuration.

[1] The Océ TCS400 multifunctional color system

1 The printer
2 The Océ Power Logic® controller inside a separate controller cabinet with a monitor, a keyboard and a mouse directly connected to the controller
3 The scanner.

The Océ TCS400 printer

Introduction

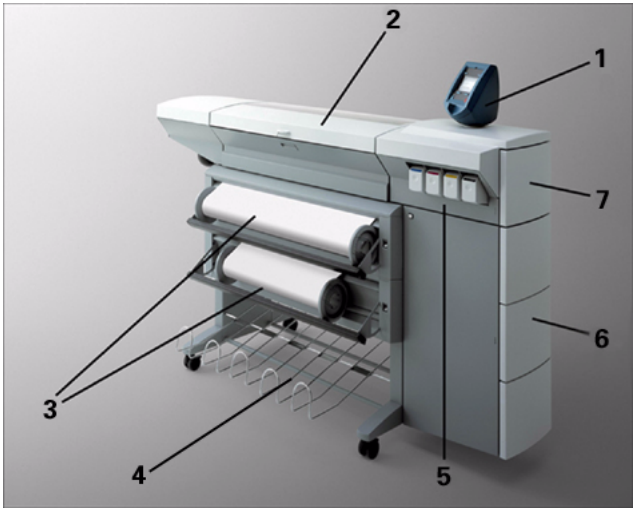
The printer is a 36 inch color printer with a true resolution of 600 dpi. The Océ TCS400 is available with 1 or 2 media rolls.

Illustration

[2] The media input side of the printer

[3] The output side of the printer

The main components of the Océ TCS400 printer



[4] The main components of the printer

1. Printer operator panel
2. Carriage with the printheads
3. Media rolls
4. Integrated receiving tray
5. Ink tanks
6. The door to the integrated Océ Power Logic® controller cabinet
7. The door to the maintenance cassette.

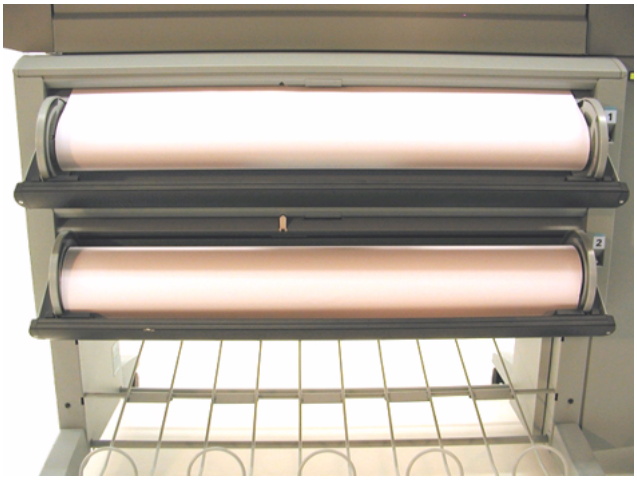
The following illustrations depict a detailed view of the main components.

[5] The printer operator panel

[6] The carriage with the printheads

[7] The ink tanks


[8] The maintenance cassette



[9] The media rolls

[10] The integrated Océ Power Logic® controller cabinet

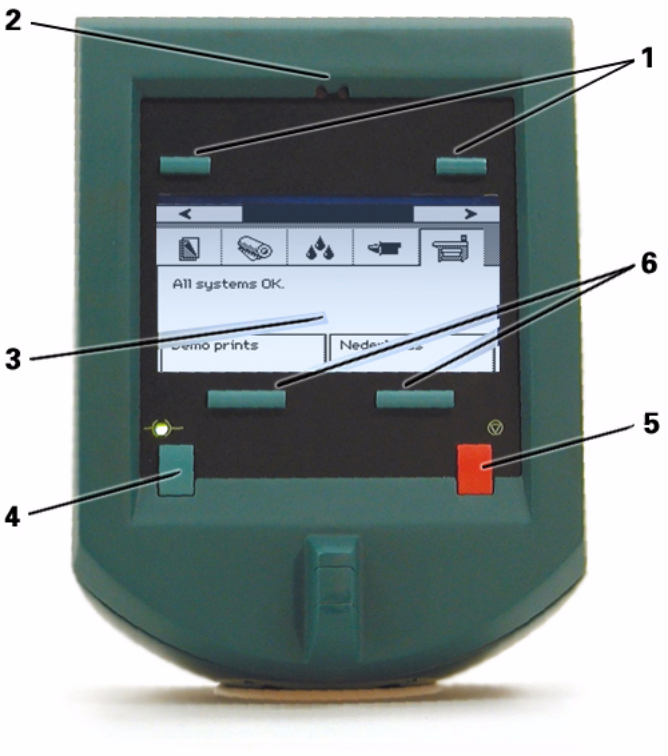
The printer operator panel

Introduction

This section describes the parts and the functions of the printer operator panel. You can turn the printer operator panel for easy vision from both sides of the printer.

Use the printer operator panel to view system information on the on-line screen and to do actions on the off-line screen.

The main components of the printer operator panel include the following:



[11] The main components of the printer operator panel

1 The upper softkeys
2 The red attention LEDs
3 The screen
4 The on-line / off-line key with green LED
5 The stop key
6 The lower softkeys.

The screen

The screen of the printer operator panel displays different types of information. The type of information depends on the mode of the system.
When the printer is in the on-line mode, the screen displays general system information and job information.
When the printer is in the off-line mode, the screen displays various wizards for user action.

The keys

The printer operator panel includes the following keys:

- An on-line / off-line key
- A stop key
- Two upper softkeys
- Two lower softkeys.

- On-line / off-line key
  Use the on-line / off-line key to switch between the on-line mode and the off-line mode on the screen. If you press the on-line / off-line key while the printer is active, the printer finishes the print. The printer then goes off-line. The next section contains more information about the on-line mode and the off-line mode (see '*The on-line mode and the off-line mode*' on page *27*).
- Stop key
  Use the stop key to delete or to stop a job (see '*Delete or stop an active job on the printer*' on page *153*).

The function of a softkey depends on the mode of the printer operator panel. (see '*The on-line mode and the off-line mode*' on page *27*)

Use the upper softkeys to perform the following:

- Scroll through the information tabs on the on-line screen.
- Scroll through the wizard cards on the off-line screen.
- Step through the wizards on the off-line screen.

Use the lower softkeys to perform the following:

- Select fields on the on-line screen
- Select the wizards on the off-line screen
- Select options in the wizards on the off-line screen.

Red attention LEDs

If operator action is required, the red error LEDs illuminate and you will hear an audio signal. The printer displays the following types of signals:

- An attention signal.
  A short interrupted audio signal. The red LEDs flash two times.
- A warning signal.
  A short interrupted audio signal. The red LEDs remain illuminated
- An error signal
  A long, uninterrupted audio signal. The LEDs flash continuously.

Chapter 8 **Error handling** describes how to correct possible errors.

The on-line mode and the off-line mode

Introduction

Use the on-line / off-line key to switch between the on-line mode and the off-line mode on the screen of the printer operator panel. If you press the on-line / off-line key while the printer is active, the printer finishes the print. The printer then goes off-line.

The on-line mode

When the printer is in the on-line mode, the green LED is on. The screen of the printer operator panel displays the following five information cards.

Information card	Displayed information
Job information	■ Job status ■ Job name ■ Progress indication ■ Selected print mode.
Media information	The media types loaded on the system .
Ink level information	The ink level of each ink tank. There are four indication types. ■ Percentage of ink in a tank (1% - 100%). ■ 'Ink tank empty' (0%). The indication for the empty tank blinks. ■ The ink tank is not in place. The indication shows a dashed rectangle. ■ Possible obstruction of ink path. (see '*Miscellaneous errors*' on page *208*)
Printhead information	The status of each printhead. There are three status types. ■ All printheads OK ■ Defective printheads During the last check in the 'Optimize print quality' wizard, failed nozzles were detected. The printer can continue to print. Use the 'Optimize print quality' to check for failed nozzles and to recover the failed nozzles. The last time the printheads were checked is displayed on the lower left corner off the screen. (see '*Use the Optimize print quality wizard*' on page *141*).
System information	■ Error messages and warnings about the maintenance cassette. ■ Make a demo print ■ Change the language.

[1] On-line mode - Information cards

Use the upper softkeys to scroll through the information tabs. The screen for each information card can contain the following parts:

Part	Function
Navigation	Use the upper softkeys to navigate through the information cards. Press the keys to select the next tab or the previous tab.
Tab	The tab contains an icon for an information card.
Card	The card is the center area of the screen. The card displays the details of the selected information type.

[2] The parts of the on-line screen

Note: *The information on the on-line screen is also available in the Océ System Control Panel.*

The off-line mode

Press the on-line / off-line key to enter the off-line mode. When the printer is in the off-line mode, the green LED is off. The printer operator panel displays a set of wizards. A wizard always requires a user action. When you initially enter the off-line mode, the printer operator panel displays the wizards 1 and 2. The next time you enter the off-line mode, you return to the previous position.

Use the upper softkeys to scroll through the wizard cards. You can select the following wizards:

1. 'Feed & cut'(see '*Cut the output and clean cut a roll of media*' on page *161*)
2. 'Change media type'(see '*Change the type of media defined on the printer*' on page *164*)
3. 'Optimize print quality'(see '*Use the Optimize print quality wizard*' on page *141*)
4. 'Replace printhead'(see '*Replace a defective printhead*' on page *186*)
5. 'Replace cassette'(see '*Replace the maintenance cassette*' on page *192*)
6. 'Replace ink tank'(see '*Replace the ink tanks*' on page *183*)
7. 'Display counters'
   Select this wizard to check the amount of media and ink that is used since the system was installed. Press the softkey for 'Finish' to return to the off-line screen.
8. 'Configure system'(see '*Configure the network settings of the Océ TCS400*' on page *49*)
9. 'Language' (switch only).

The screen of the off-line mode contains the following parts:

Part	Function
Card	The cards show the names and a graphical representation of the wizards.
Navigation	Use the upper softkeys to navigate through the cards and through the wizards. Use the lower softkeys to select a card or options within the wizards.

[3] The parts of the off-line screen

The Océ TCS400 scanner

Introduction

The scanner is a 40 inch color scanner with an optical resolution of 508 dpi.

The main components are described below.

The main components of the Océ TCS400 scanner

[12] The main components of the scanner

1 Scanner operator panel
2 Top cover
3 Scanner feed table
4 Front compartment
5 Integrated receiving tray (optional).

The scanner operator panel

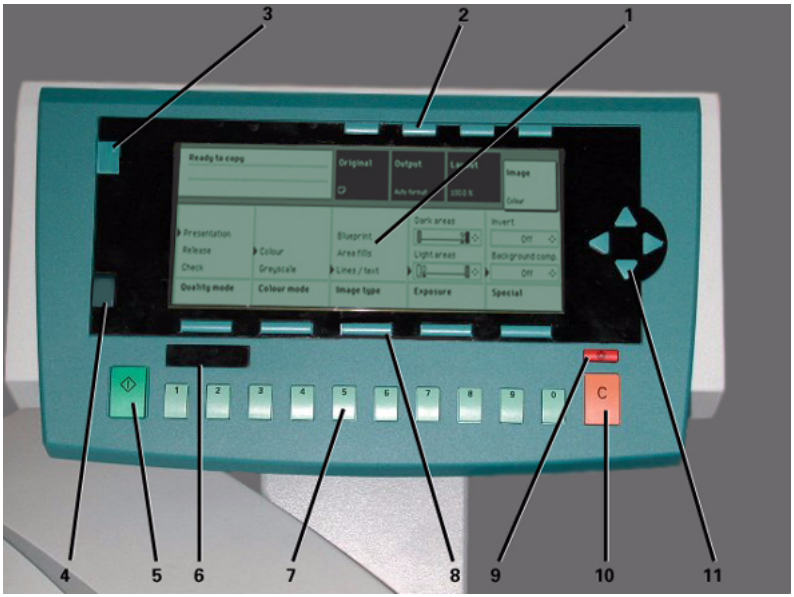
Introduction

This section describes the parts and the functions of the scanner operator panel.

Use the scanner operator panel for the following.

- Define the settings for the copy jobs
- Define the settings for the scan-to-file jobs
- Start the scanning
- Access to system settings
- Calibrate the scanner.

The main components of the scanner operator panel include the following:



[13] The main components of the scanner operator panel

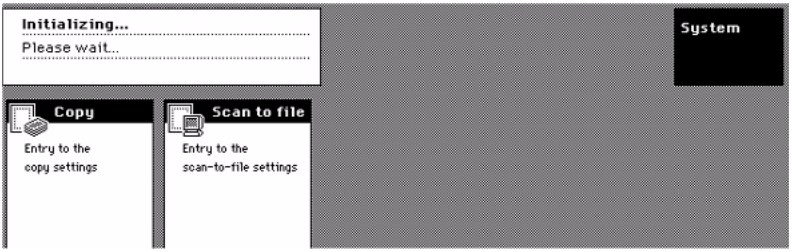
1 The screen
2 The upper softkeys
3 The home key
4 The release original key
5 The start key
6 The numeric display
7 The numeric keys
8 The lower softkeys
9 The stop key
10 The correction key
11 The arrow keys.

The screen

When you turn on the scanner, the screen displays the home screen. The home screen contains the 'Entry to the copy settings' and the 'Entry to the scan-to-file settings'.

When you select the 'Entry to the copy settings', the screen displays the copy settings with the default values defined in the Océ Settings Editor. (see '*Define the copy settings on the scanner operator panel*' on page *61*)

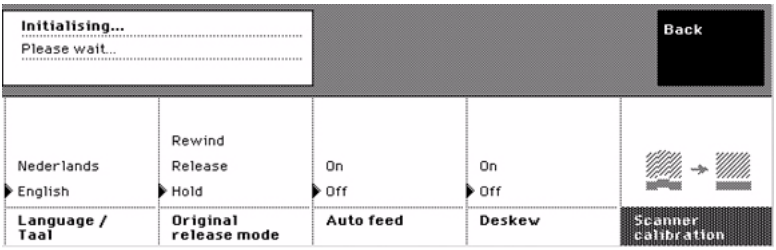
When you select the 'Entry to the scan-to-file settings', the screen displays the scan-to-file settings with the default values defined in the Océ Settings Editor. (see '*Define the copy settings on the scanner operator panel*' on page *61*)



[14] The Home screen

The home screen also gives access to the system settings. Use the softkey above the 'System' card to access the following:

- The language settings.
  The language settings include the first and the second language defined in the Océ Settings Editor.
- The original handling settings.
  The original handling settings include the original release modes and the auto feed settings.
- 'Deskew'
  When this setting is enabled , the scanner automatically corrects the angle of a slightly skewed image. The 'Deskew' setting operates only when the 'Size' setting on the 'Original' card is set to 'Automatic'. (see '*Define the size of the originals*' on page *66*)(see '*Define the size of the originals*' on page *85*)
- The scanner calibration wizards.



[15] The System screen

If an error occurs on the scanner, the screen displays an error recovery screen. The error recovery screen fills the complete screen.

The upper left corner of the screen displays the system information. The system information is not available in the following situations:

- During a wizard
- The screen displays an error recovery screen.

The keys

The keys on the scanner operator panel have the following functions:

- The numeric keys.
  Use the numeric keys to set numeric values. For example, the number of copies or the scaling factors.
- The start key
  Use the start key to start the original feed. When you scan a set, press the start key to close the set.
- The stop key
  Use the stop key to stop the scanner. When you make a direct copy, press the stop key to stop the printer.
- The correction key
  Use the correction key to reset a setting to its default value. Press the correction key one time to reset a setting to its default value. Press the correction key two times to reset the numeric display to 1.
- The home key.
  Use the home key to return to the home screen. When you are in an error recovery screen, you cannot use the home key to return to the home screen.
- The release original key
  Use the release original key to release the original from the scanner after it is scanned.
- The upper softkeys
  Use the upper softkeys to move through the cards.
- The lower softkeys
  Use the lower softkeys to define the job settings.
- The arrow keys
  Use the arrow keys to define numeric settings.
  Use the upper and lower arrow keys to increase or decrease the active value by 1. Use the left and right arrow keys to increase or decrease the active value by 10. Hold down the arrow keys, to rapidly scroll through the values. When you define the scale values, use the left arrow key to move through the reduction steps defined in the Océ Settings Editor. Use the right arrow key to move through the enlargement steps defined in the Océ Settings Editor. Use the arrow keys to define the settings in spin boxes.

The Océ Power Logic® controller

Introduction

The Océ Power Logic® controller is based on a standard PC platform running Windows® XP embedded.

The Océ Power Logic® controller is required for the following:

- Process the print jobs
- Define the default system settings
- Manage the job queue
- Manage the set memory
- Receive jobs over the network.

The location of the Océ Power Logic® controller

You can place the Océ Power Logic® controller in one of the following locations:

- Inside the controller cabinet of the Océ TCS400 printer
- If you have a monitor, a keyboard and a mouse connected to the Océ Power Logic® controller, the controller is always placed inside a separate controller cabinet. (see '*The Océ TCS400 multifunctional color system*' on page *16*)

Application	Function
Océ System Control Panel	■ Display the status of the printer ■ Display the media available on the system ■ Display the ink level for each color ■ Display the status of the scanner ■ Display the volume of set memory in use ■ Print the configuration settings ■ Print a demo print.
Océ Settings Editor	Change the default settings of the system. You need a password to edit the settings of the Océ Settings Editor. There are two types of settings. ■ Key operator settings (KO settings) ■ System administrator settings (SA settings). The key operator can define the key operator settings. The system administrator can define the system administrator settings. The repro operator and the anonymous users can only view the settings.
Océ Queue Manager	■ Control and view the job queue ■ Inspect the progress of a job ■ Cancel jobs ■ Delete jobs ■ Pause and restart jobs ■ Move jobs to the top ■ Reprint multiple sets from the history queue. ■ Print jobs from the inbox queue ■ View the properties of jobs in the print queue, inbox queue and history queue.
Océ Scan Manager	■ Create and manage the destinations for scan to file ■ Define the file names ■ Manage the files ■ View the scanned files.
Océ Remote Logic®	Use Océ Remote Logic® to access the three applications mentioned above from a remote workstation.

[4] Océ applications that can run on the Océ Power Logic® controller

Chapter 3
Getting started

Introduction

This chapter contains all the information you need to get started. You can learn more about the following:

- Turn on and off the Océ TCS400
- The energy save modes
- Change the display language
- Configure the network settings.

Turn on and off the Océ TCS400

Turn on and off the Océ TCS400

Introduction

The Océ Settings Editor application contains an important setting for the start up and shut down of the printer and Océ Power Logic® controller. The path of the setting is the following:

KO - System - Synchronize printer and Power Logic controller power on/off.

Depending on this setting, you can turn the Océ TCS400 printer and the Océ Power Logic® controller on and off, together or separately.

You can define if this setting is 'On' or 'Off'. The following paragraphs describe how to turn on and off the Océ TCS400 when the above setting is set to either 'On' or 'Off'.

The setting 'Synchronize printer and Power Logic controller power on/off 'does not work for the scanner. You can only turn the scanner on or off separately.

The Océ TCS400 printer and Océ Power Logic® controller have 2 energy save modes that enable you to prevent unnecessary power consumption when the system remains turned on in an idle state (see ‘*Energy save modes*’ on page *44*).

Turn the Océ Power Logic® controller and the printer on

Perform the following when the setting **KO - System - Synchronize printer and Power Logic controller power on/off** if the Océ Settings Editor is set to 'On':

1 Press the on/off button of the printer.
The Océ Power Logic® controller and the printer both start up.

[16] The on/off button of the printer

Perform the following when the setting **KO - System - Synchronize printer and Power Logic controller power on/off** if the Océ Settings Editor is set to 'Off'.

1 Press the on/off button on the Océ Power Logic® controller.
2 Press the on/off button on the printer.

Turn the Océ Power Logic® controller and the printer off

Perform the following when the setting **KO - System - Synchronize printer and Power Logic controller power on/off** if the Océ Settings Editor is set to 'On': There are two possibilities:

1. Press the on/off button on the printer or
2. select 'Shut down' from the 'System' menu in the Océ System Control Panel.
   The Océ Power Logic® controller and the printer both shut down.

Perform the following when the setting **KO - System - Synchronize printer and Power Logic controller power on/off** if the Océ Settings Editor is set to 'Off'.

1. Press the on/off button on the printer.
   The printer shuts down.
2. Open the Océ System Control Panel application on the Océ Power Logic® controller.
3. From the 'System' menu, select 'Shut down'.
   The Océ Power Logic® controller shuts down.

Turn the scanner on and off

1. Press the switch at the rear of the scanner.
   The scanner begins initializing.
2. After the scanner initializes, this takes 3 to 5 minutes, turn the Océ Power Logic® controller on.

   The scanner needs 5 minutes to warm up before you can scan a job. The scanner needs 60 minutes to warm up for the best quality output.

Energy save modes

Introduction

The Océ TCS400 has two modes to prevent unnecessary power consumption.

- The energy save mode
  The energy save mode functions only for the printer and Océ Power Logic® controller.
- The sleep mode.

The energy save mode

The system uses less energy in the energy save mode than in the normal operating mode. Both the printer and the Océ Power Logic® controller remain turned on. By default, the energy save mode is enabled in the Océ Settings Editor. Use the setting **KO - System - Timers - Energy save mode** in the Océ Settings Editor to define the delay in minutes before the Océ TCS400 enters the energy save mode.

When the Océ TCS400 is in the energy save mode, you can activate the system as follows:

- Send a job
- Press a key on the printer operator panel
- Press the retract button to retract a roll
- Load a roll.

Note: *The energy save mode complies with the EPA Energy Star® sleep mode requirements for wide format printers. In Appendix B this mode is referred to as sleep mode.*

The sleep mode

The power supply of the printer is turned off in the sleep mode. The exposure lamp on the scanner turns off and the screen displays a sleep mode message. The Océ Power Logic® controller remains turned on.

The system uses less energy in the sleep mode than in the energy save mode. Use the setting **KO - System - Timers - Sleep mode timer** in the Océ Settings Editor to define the delay in minutes before the Océ TCS400 enters the sleep mode.

There are two ways to activate the printer from the sleep mode.

- Send a job
- Press the on/off button of the printer.

The printer needs about 1 minute to wake up from the sleep mode. The green LED illuminates. This indicates that the system wakes up. During the wake-up period the screen remains blank.

Press any key on the scanner operator panel to activate the printer from the sleep mode.

The scanner needs 5 minutes to warm up before you can scan a job. The scanner needs 60 minutes to warm up for the best quality output.

Prepare the Océ TCS400 for use

Change the display language of the Océ TCS400

Introduction

You can change the display language for the following components:

- The controller applications
- The printer operator panel
- The scanner operator panel.

Change the language of the controller applications
You can change the display language of the controller applications (Océ Settings Editor, Océ System Control Panel, Océ Queue Manager). You can choose from 18 available languages. (see '*Parameters of supported languages*' on page *258*)

If you have a keyboard, mouse and monitor with your Océ Power Logic® controller, you can access the controller applications local on the controller. If you do not have a keyboard, mouse and monitor with your Océ Power Logic® controller, you must use Océ Remote Logic® to connect to the controller applications.

Change the language of the operator panels
You can change the language of the printer operator panel from the on-line screen and the off-line screen. You can change the language of the scanner operator panel from the system screen. You can only toggle between two languages. Make sure that the first language and the second language are correctly defined in the Océ Settings Editor. You can choose from 15 available languages.

Use the setting **KO - System - Localization - Display languages - First language** to define the default language.
Use the setting **KO - System - Localization - Display languages - Second language** to define the alternative language.

Note: *Only the first language and the second language defined in the Océ Settings Editor are available on the operator panels.*

How to change the language of the controller applications

1. Open the 'View' menu.
2. Select 'Language'.
   If you connect to the controller from Océ Remote Logic®, all languages are available. If you use the controller applications local on the controller, only the first language and the second language defined in the Océ Settings Editor are available.
3. Select one of the languages.
   The screen language of the application changes to the selected language.

Note: *If you connect to the controller from Océ Remote Logic® and you change the display language, only the display language of the current application will change. If you use the controller applications local on the controller and you change the display language, the display language of all applications will change.*

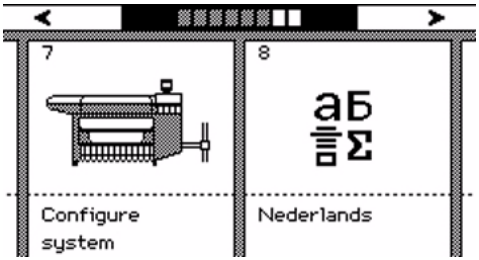
How to change the language on the on-line screen of the printer operator panel

1. Use the upper softkeys to select the 'System' tab.
2. Press the lower right softkey to change the language.

[17] Press the lower-right softkey to change the language

How to change the language on the off-line screen of the printer operator panel

1. Press the on-line / off-line key to set the printer off-line.
2. Use the upper softkeys to scroll to the 'Language' card.

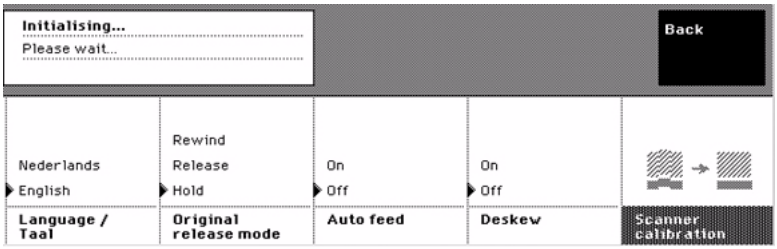


[18] The language card on the off-line screen

3. Press the softkey below the 'Language' card to change the language.

How to change the language on the scanner operator panel

1. On the home screen, press the upper right softkey for 'System' to enter the system screen.
2. Press the softkey below the 'Language' card to change the language.



[19] The language card on the system screen

Note: *If the first language and the second language defined in the Océ Settings Editor are the same, the language card is not visible.*

Configure the network settings of the Océ TCS400

Introduction

The system administrator is responsible for installing and configuring the Océ TCS400 in the network environment. There are two ways to configure the network settings.

- From the printer operator panel
  The off-line screen on the printer operator panel contains a wizard to configure the network settings.
- With the system administrator settings (SA settings) in the Océ Settings Editor.
  The Océ Settings Editor allows you to configure a large number of system settings. Only the system administrator is authorized to define the system settings.

Actions in the Configure system wizard

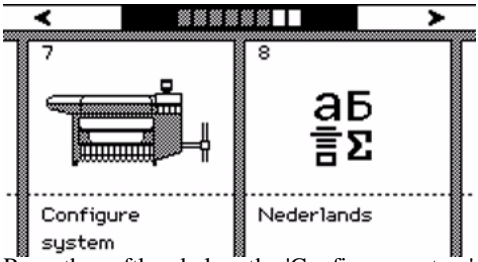
You can perform the following actions in the 'Configure system' wizard.

- Enable DHCP for adapter 1, 2 or 3
- Set the IP address for adapter 1, 2 or 3
- Set the IP subnet mask for adapter 1, 2 or 3
- Set the default gateway for adapter 1, 2 or 3
- Clear the set memory (see ‘*Miscellaneous errors*’ on page *208*).
  Use this option for a damaged job that you cannot delete in the Océ Queue Manager.

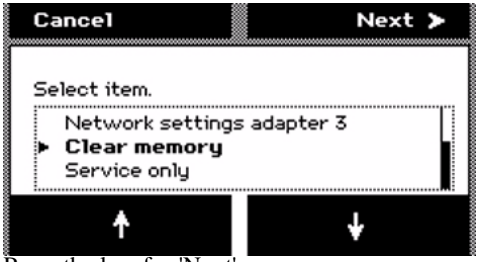
The 'Configure system' wizard also contains installation settings and service settings. A password protects the installation settings and the service settings. Only Océ service engineers can access the installation settings and the service settings.

How to configure the system from the printer operator panel

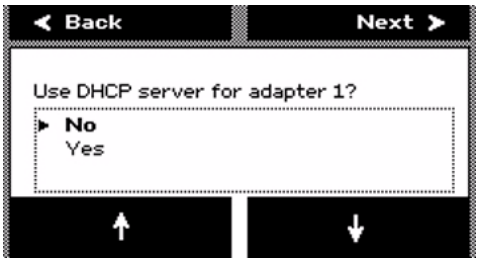
1. Press the on-line / off-line key to set the printer off-line (see '*The on-line mode and the off-line mode*' on page *27*).
2. Use the upper softkeys to scroll to the 'Configure system' card.



3. Press the softkey below the 'Configure system' card to enter the wizard.
   The screen displays the message 'Use this wizard to configure the system.'
4. Press the key for 'Next'.
   The screen displays the message 'Select item.'
5. Use the lower softkeys to select 'Network settings adapter [number]'.



6. Press the key for 'Next'.
7. The screen displays 'Use DHCP server for adapter [number]?'. Use the lower softkeys to select 'Yes' or 'No'.

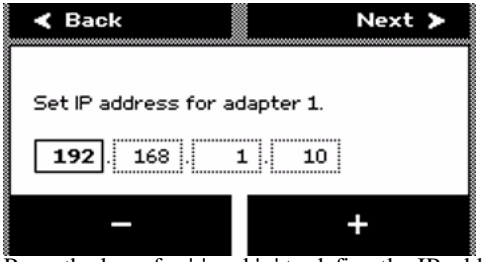


Continue with step 8 when you select 'Yes'.
Continue with step 9 when you select 'No'.

8 After you select 'Yes', press the key for 'Next'.
The screen displays 'Finish' and 'Back'.
Press the key for 'Finish' if you want to use the DHCP server. The network settings are now received from the DHCP server. The wizard finishes here.
Press the key for 'Back' and continue with step 10 if you want to configure the network settings manually.

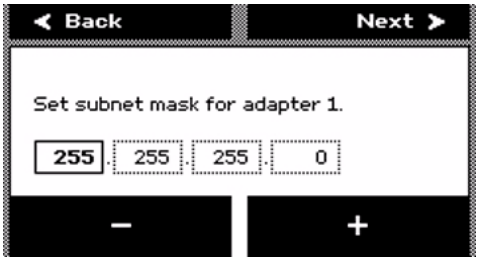
9 After you select 'No', press the key for 'Next'.

10 The screen displays 'Set IP address for adapter [number]'.



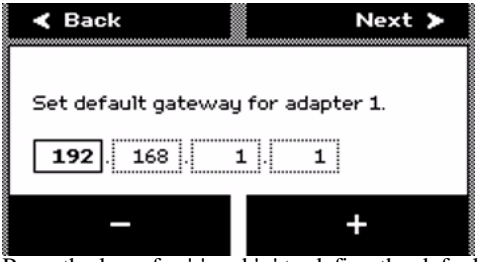
Press the keys for '-' and '+' to define the IP address.
After you finish an octet, press the key for 'Next' to go to the next octet.

11 Press the key for 'Next' after you finish the last octet. The screen displays 'Set subnet mask for adapter [number]'.



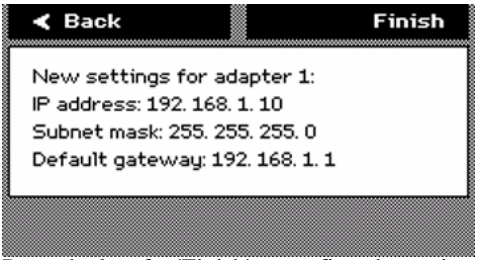
Press the keys for '-' and '+' to define the subnet mask.
After you finish an octet, press the key for 'Next' to go to the next octet.

12 Press the key for 'Next' after you finish the last octet. The screen displays 'Set default gateway for adapter [number]'.



Press the keys for '-' and '+' to define the default gateway.
After you finish an octet, press the key for 'Next' to go to the next octet.

13 After you finish the last octet, the screen shows an overview of all the network settings.



Press the key for 'Finish' to confirm the settings and to exit the wizard.

How to configure the system from the Océ Settings Editor

1 Log on to the system administrator mode.
2 From the 'View' menu in the menu bar, select 'SA settings'.
3 Use the buttons on the left toolbar to display the required group of settings.
4 Select the required settings in the tree structure.
5 Define the settings in the update area.
6 Click the 'Apply' button to confirm the new settings.
7 Log off from the system administrator mode to prevent unauthorized use of the application.
See the on-line help in the Océ Settings Editor for more information about how to configure the system from the Océ Settings Editor.

Chapter 4
Send print jobs to the Océ TCS400

Introduction to how to send print jobs to the Océ TCS400

Send print jobs to the Océ TCS400

You can send your print jobs to the Océ TCS400 in various ways. The default configuration of the Océ TCS400 includes the following:

- Printer drivers
- Océ Print Exec® Workgroup
- FTP.

After you send jobs to the printer, you can manage the jobs through the Océ Queue Manager and the printer operator panel (see '*Introduction to how to manage your jobs*' on page *152*).

Note: *The settings defined in the printer drivers or the job submission tools always overrule the settings defined in the Océ Settings Editor.*

Important points for the sending of print jobs

Before you send print jobs to the Océ TCS400, remember the following:

- The values defined in the Océ Settings Editor are default values for the system. You can define a number of job settings in the printer drivers or the job submission tools. The settings defined in the printer drivers or the job submission tools always overrule the settings defined in the Océ Settings Editor.
  Chapter 10 of the user manual and the on-line help in the Océ Settings Editor include complete information about the Océ Settings Editor
- Make sure the media type and size defined in your job match the media type and size defined on the printer.
- Make sure you define the correct print mode for your job.
- Make sure you define the correct media type for your job.
- Make sure you define the correct job settings. For example, orientation, rotate, shift, and 'Automatic roll switch'. The section about the correct media types for your jobs describes the job settings you can use with the different media types and sizes.

A job submission tool, like Océ Print Exec® Workgroup, provides you with information about the media defined on the system. The printer drivers do not give this type of information. When you use the printer drivers to send your jobs, use Océ Remote Logic to view information about the media defined on the printer in the Océ System Control Panel.

Chapter 4 of the User's Manual includes more information about how to send print jobs to the Océ TCS400.

Chapter 6 includes more information about how to define the correct media settings for your jobs.

Send print jobs to the Océ TCS400 from your software environment

Use the printer drivers to send jobs to the Océ TCS400

Introduction

The Océ TCS400 is delivered with a driver pack CD-ROM. You can also download the latest Océ drivers, free of charge, from our Web site www.oce.com.

Note: *More information about how to install, configure and use the drivers is available in the documentation provided with the drivers.*

Available printer drivers

Use the following printer drivers with the Océ TCS400 to print files from the software applications:

- Windows® printer driver
  Use the Windows® printer driver to print from Microsoft® Windows® 9.x, ME, 2000, NT 4.0, or XP.
- AutoCAD® ADI/HDI drivers
  Use the AutoCAD® ADI driver to print from AutoCAD® 14. Use the AutoCAD® HDI driver to print from AutoCAD® 2000/2001/2002.
- Océ Postscript 3 driver.
  Use the Océ Postscript 3 driver to print from graphical application software on Microsoft® Windows, Apple® Macintosh and Unix™ Postscript.

Use Océ Print Exec® workgroup to send jobs to the Océ TCS400

Introduction

Océ Print Exec® workgroup is a job submission application which allows you to send print jobs to the Océ TCS400 through your web browser

Note: *Please consult the on-line help on the Océ Print Exec® workgroup application for detailed information.*

Before you begin

Requirements for the browser software and network.

- Microsoft® Internet Explorer® 4.01 (SP 2) or higher versions, or
- Netscape Navigator® 4.08 or higher versions.
- TCP/IP network, which connects the printer and the end user workstation
- Port 8001, not filtered.

How to connect to Océ Print Exec® workgroup

1. Enable Océ Print Exec® workgroup in the Océ Settings Editor.
2. Enter the following URL in your browser: http://printer name.

Note: *The printer name is the domain network server (DNS) name or IP address of the printer.*

Use FTP to send jobs to the Océ TCS400

Introduction

The Océ TCS400 supports printing through FTP. You can print the files through FTP from a command line prompt, an FTP application, or from a Web browser. The most convenient way to print files through FTP is to drag and drop the files or to copy and paste the files, into the 'Jobs' folder on the FTP site of your Océ TCS400.

Web browsers that support job submission through FTP

The following Web browser supports the drag and drop of files:

- Netscape® Navigator 4.x.

Drag the jobs into the 'Jobs' folder on the FTP site of your Océ TCS400. The jobs appear in the print queue of the Océ Queue Manager.

The following Web browsers support the copy and paste of files:

- Netscape® Navigator 4.x
- Microsoft® Internet Explorer 5.5.

Paste the jobs into the 'Jobs' folder on the FTP site of your Océ TCS400. The jobs appear in the print queue of the Océ Queue Manager.

Chapter 5
Make copy jobs on the Océ TCS400

Introduction to how to do copy jobs on the Océ TCS400

This chapter contains all the information you need to perform copy jobs from the Océ TCS400 scanner. You can learn more about the following:

- How to define the job settings
- How to start a job.

The 'Important copy settings' section in this chapter describes the settings that need special attention and which are not described anywhere else in this manual.

The chapter 'Ensure the best quality output' describes how to use the settings that control the image quality on the output.

The on-line help in the Océ Settings Editor gives complete information about the different settings.

After you start the jobs on the scanner, you can manage the jobs from the Océ Queue Manager.
You can stop or delete the copy jobs from the scanner operator panel.
When the printer processes the job, you can also stop or delete the jobs from the printer operator. panel.(see '*Introduction to how to manage your jobs*' on page *152*)

Use the Océ TCS400 scanner to perform copy jobs

Define the copy settings on the scanner operator panel

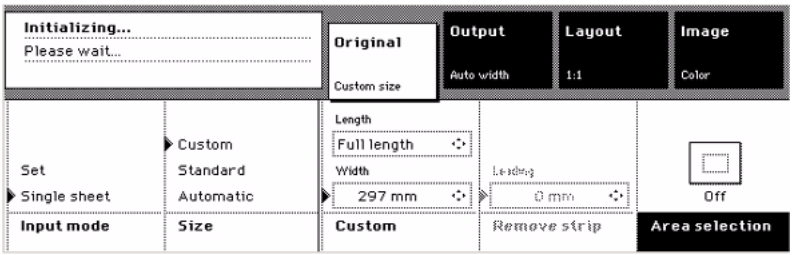
Introduction

This section gives a description of the setting cards and describes how to change the default settings for the copy jobs.

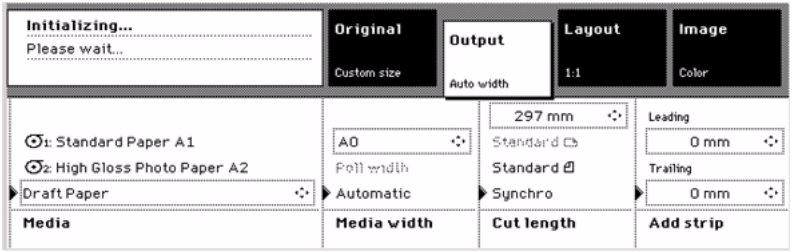
The copy settings

The copy settings are divided over the following four setting cards on the scanner operator panel:

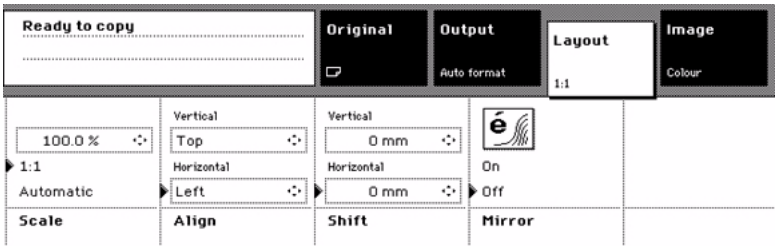
1. The 'Original' card.
2. The 'Output' card.
3. The 'Layout' card
4. The 'Image' card.



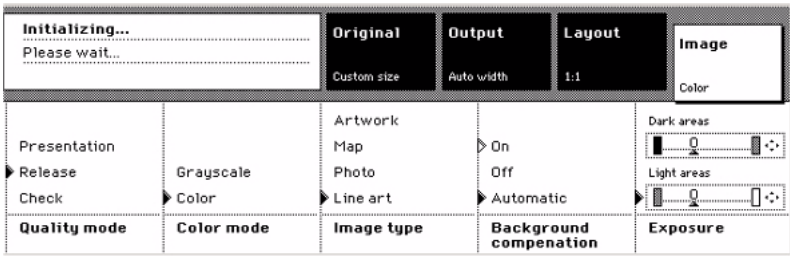
[20] The Original card



[21] The Output card



[22] The Layout card



[23] The Image card

Use the settings on the 'Original' card for the following:

- Define all the settings that deal with the original
- Define the 'Input mode'. (see '*Create and start a copy job*' on page *64*)
- Define the size of the original
- Remove a leading strip
- Select the area of the original that you can see on the output.

Use the settings on the 'Output' card for the following:

- Define all the settings that deal with the output media
- Define the output media
- Define the media width.
- Define the copy length
- Add a leading strip
- Add a trailing strip.

Use the settings on the 'Layout' card for the following:

- Define all the settings that deal with the layout changes
- Define the scale factor.
- Define the horizontal and the vertical alignment.
- Shift the image.
- Mirror the image.

Use the settings on the 'Image' card for the following:

- Define all the settings that deal with the image quality at the pixel level
- Define the correct quality mode.
- Define the correct color mode
- Define the exposure of the light areas and the dark areas
- Define the correct image type
- Enable automatic background compensation
- Enable inversion.

Note: *The on-line help in the Océ Settings Editor gives a complete description of the different settings.*

Before you begin

Define the default values of the settings in the Océ Settings Editor. See the on-line help in the Océ Settings Editor about how to define the default settings.

How to define the copy settings

1. On the home screen, press lower softkey for 'Entry to the copy settings' to enter the settings screen.
2. Select a card with the upper softkeys.
3. Change the settings with the lower softkeys.
4. Use the arrow keys to define the settings, or the options within the settings, that use a spin box.
   A number of settings have more options than the screen can display. A number of other settings have numeric values. Use the arrow keys to select the options the screen cannot display. Use the arrow keys or the numeric keys to enter the numeric settings.

Create and start a copy job

Introduction

This section describes a general workflow for the copy jobs on the scanner. The Océ TCS400 scanner can do the following types of copy jobs.

- Single sheet
- Set.

Make sure that you define the correct input mode on the scanner operator panel (see '*The copy settings*').

How to create and start a single sheet job

1. Place the original face down, center aligned along the measurement ruler. If you feed the original, keep the original in position until it is drawn into the scanner.
2. On the home screen, select the 'Entry to the copy settings'.
3. Define the job settings on the screen. Use the upper softkeys to select the setting card and use the lower softkeys to define the settings in the cards.
4. On the 'Input mode' section of the 'Original' card, select 'Single sheet'.
5. On the 'Media' section in the 'Output' card select the required media.
6. Use the numeric keys to define the number of copies.
   If the 'Start' key is not pressed before the end of the 'Panel time-out', as defined in the Océ Settings Editor, all settings return to their default values.
7. Press the green 'Start' key to start the copy job.
   Your original is fed into the scanner. The copying starts.
   Note: *Make sure you first define the settings before you feed the original.*
8. When the original is held at the front side or the back side, use the release original key on the scanner operator panel to remove the original. (see '*The scanner operator panel*' on page *32*).
   Note: *Use the **KO - Scanner - Settings - Original release mode** setting in the Océ Settings Editor to define the 'Original release mode'. (see 'Original release mode' on page 157).*
9. Use the home key to return to the home screen. (see '*The scanner operator panel*' on page *32*).

How to create and start a set

1. Place the original face down, center aligned along the measurement ruler. If you feed the original, keep the original in position until it is pulled into the scanner.
2. Use the numeric keys to enter the number of copies.
3. On the home screen, select the 'Entry to the copy settings'.
4. Define the job settings on the screen. Use the upper softkeys to select the setting card, and the lower softkeys to define the settings in the cards.
5. On the 'Input mode' section of the 'Original' card, select 'Set'.
6. On the 'Media' section in the 'Output' card select the required media.
7. Press the green 'Start' key for each original of a set.
   To close a set, press the 'Start' key without feeding an original.
   Note: *When 'Auto feed' is enabled on the 'System' screen, each original after the first original is automatically fed into the scanner. You must only press the 'Start' key after the set is complete. Make sure you first define the settings before you feed the original.*
8. When the original is held at the front side or the back side, use the release original key on the scanner operator panel to release the original. (see '*The scanner operator panel*' on page *32*).
   Note: *Use the **KO - Scanner - Settings - Original release mode** setting in the Océ Settings Editor to define the 'Original release mode'.*
9. Use the home key to return to the home screen. (see '*The scanner operator panel*' on page *32*).

Important copy settings

Define the size of the originals

Introduction

Define the size of the originals on the 'Original' card of the scanner operator panel.

The following settings are available:

- 'Automatic'
  The scanner detects the size of the original based on the width of the original.
- 'Standard width'
  TThe scanner scans only the selected standard width.
  This setting overrules the automatically detected width of the original.
- 'Custom'
  The width is the width selected in the 'Original custom width' setting and the length is equal to the length selected in the 'Original custom length' setting.
  Use this setting to scan only a part of the original.
  The 'Area selection' is function is only available when you select 'Custom' as the original width.
  This setting overrules the automatically detected width of the original.

Before you begin

Use the **KO - System - Media - Paper series** setting in the Océ Settings Editor to define the default paper range used when you select 'Standard' as the ' Original size method'.

Define the original size

1. Select the 'Original' card with the upper softkeys.
2. Select the 'Original size method' setting with the softkey for 'Size'.
3. When you select 'Standard width' as the 'Original size method', use the softkey for 'Standard' to select the original standard size for the defined paper range.
4. If you select 'Custom' as the 'Original size method', use the softkey for 'Custom' to select 'Custom width' or 'Custom length'.
5. Use the arrow keys to define the 'Custom length' and the 'Custom width'.
   If you select 'Full length' as the 'Custom length', the complete length of the original is scanned.

Define the area selection

When to do

The Océ TCS400 scanner has an option that allows you to select an area of the image on your original.

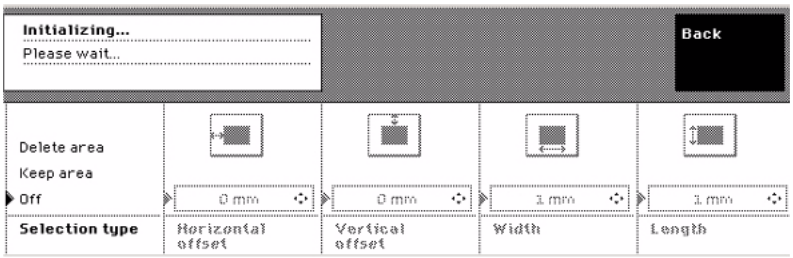
You can use this setting when you only need to see a specific area of the image on the output.

Before you begin

Use the 'Area selection' settings in the Océ Settings Editor to define the default values for the 'Area selection'.

Define the area selection

1. Select the 'Original' card with the upper softkeys.
2. Use the softkey for 'Size' to select 'Custom' as the 'Original size method'
   Note: *The 'Area selection' is only available when the 'Original size method' is set to 'Custom'.*
3. Set the 'Custom Width' to the correct value for the original.
4. Set the 'Custom Length' to 'Full length'.
5. Press the softkey for 'Area selection' to enter the area selection screen.
   The area selection screen appears.



[24] The area selection screen

6 Use the 'Selection type' setting to define the following
   - 'Delete area'
     Delete the selected area from your output.
     The area is grayed out on the output.
   - 'Keep area'
     Keep the selected area but delete the area that was not selected.
     The complete image on the output is grayed out, except the selected area.
   - 'Off'
     The 'Area selection' setting is not active.

7 Use the settings 'Horizontal offset' and 'Vertical offset' to define the location of the area.
8 Use the settings 'Width' and 'Length' to define the size of the area.
   Note: *Turn the original face up to measure the offset and the size of the area.*
9 Use the softkey for 'Back' to return to the 'Original' card.

Define the output settings

Introduction

Define the output settings for your copy output in the 'Output' card of the scanner operator panel.

You can define the following settings:

- Media type
- Media width
- Cut length
- Add strip.
  Use this setting to add a strip to your output. A leading strip is added to the top of your output. A trailing strip is added to the bottom of your output.

Before you begin

Use the **KO - System - Media - Paper series** setting in the Océ Settings Editor to define the default paper range used in the 'Media size' setting.

Use the **KO - Jobs - Copy - Template - Output card - Media** setting in the Océ Settings Editor to define a default media type for your jobs.

Define the media type

1. Select the 'Output' card with the upper softkeys.
2. Select the 'Media type' setting with the softkey for 'Media type'.
3. Use the softkey for 'Media type' to select the media types available on the printer.
4. Use the spin box with the arrow keys to select a media type that is not available on the printer.
   If you select a media type that is not available on the printer, the Océ System Control Panel and the printer operator panel display a media request.

Define the media width

1. Select the 'Output' card with the upper softkeys
2. Select the 'Media width' setting with the softkey for 'Media width'.
   Select one of the following:
   - 'Automatic'
     The system selects an available media size based on the original width detected by the scanner and the scale factor. Use this setting for a minimum of loss of media.
     The standard size includes the print margin. When the system detects an original width wider than the standard format size, the output is printed on the next larger media size. Adjust the print margin to change the standard format size. Use the **KO - Jobs - Print - Defaults - Print margin X** setting in the Océ Settings Editor to adjust the print margin.
   - 'Roll width'
     When the 'Scale' setting on the 'Layout' card is set to 'Automatic', 'Roll width' fits the image to the media roll selected in the 'Media' setting.
   - A DIN or ANSI size.
     Use this setting to print the output on the selected media size. When the media size is not available, the printer shows a media request.

   Note: *Available are only those the media sizes in the paper series defined in the Océ Settings Editor.*

Define the cut length

1. Select the 'Output' card with the upper softkeys
2. Select the 'Cut length' setting with the softkey for 'Cut length'.
   Select one of the following:
   - 'Synchro'
     The length of the output is related to the length of the image.
     Select 'Synchro' to prevent the loss of information.
   - 'Standard'
     The length of the output corresponds to a standard DIN or ANSI format, depending on the media width.
     You can select a standard cut length in landscape orientation or in portrait orientation.
   - Custom.
     The length of the output is user-defined.

Define the scale settings

Introduction

Define the scale settings on the 'Layout' card of the scanner operator panel.

Define the scale settings

1. Select the 'Layout' card with the upper softkeys.
2. Select the 'Scale' setting with the softkey for 'Scale'.
   Select one of the following:
   - 'Automatic'
     The image is scaled automatically to fit exactly on the media width selected on the 'Output' card.
   - '1:1'
     The image on the output has the exact size of the image on the original.
   - Custom.
     You can define a scale factor in a range from 10% to 1000%.
     When the result of the scale factor is larger than the output size, loss of information occurs.

Use the automatic scaling setting

1. Select 'Automatic' with the softkey for 'Scale' on the 'Layout 'card .
2. Define the width with the softkey for 'Media width' on the 'Output' card.
   When the width is defined as 'Automatic', a '1:1' copy is made.
   When the width is defined as 'Roll width', the image fits exactly on the media roll selected on the 'Output' card.(see '*Define the output settings*' on page *70*).
   When the width is defined as a standard size, the image on the output is printed in the standard size selected. For example, if the original size was A3 and the 'Media width' selected was A1, the image on the output has an A1 size.

Define the position of the image on the output

Introduction

Define the position of the image on the output in the 'Layout' card of the scanner operator panel.

Before you begin

The system calculates the position of the image on the output based on the media width selected on the 'Output' card. Before you define the position of the image on the output, first define the media width on the 'Output' card.
When you select 'Automatic' as the 'Media width', the system puts the image on the output based on the width detected by the scanner.
When you select 'Roll width' as the 'Media width', the system puts the image on the output based on the width of the selected media roll.
When you select a standard size as the 'Media width', the system puts the image on the output based on the selected standard size.
(see '*Define the output settings*' on page *70*)

Define the position of the image on the output

1. Select the 'Layout' card with the upper softkeys.
2. Select the 'Horizontal align' setting with the softkey for 'Align'.
   Use the arrow keys to select one of the following.
   - 'Right'
     The image is put on the right margin.
   - 'Left'
     The image is put on the left side margin.
   - 'Centre'.
     The image is put in center of the output.
3. Select the 'Vertical align' with the softkey for 'Align'.
   Use the arrow keys to select one of the following.
   - 'Top'
     The image is put on the top of the output.
   - 'Bottom'
     The image is put on the bottom of the output.
   - 'Centre'.
     The image is put in the center of the output.
4. Select the 'Horizontal shift' setting with the softkey for 'Shift'.
   - A negative is a shift to the left
   - A positive value is a shift to the right.
5. Select the 'Vertical shift' setting with the softkey for 'Shift'.
   - A negative is a shift to the bottom
   - A positive value is a shift to the top.

The settings that control the image quality

Definition

Define the settings that control the image processing on the 'Image' card of scanner operator panel.

The settings for image quality

The selection of the media and the quality modes depends on the application of the output. (see '*Recommended media types and quality modes*' on page *126*)

Increase the dark exposure to increase the contrast.

Set the background compensation to 'Automatic' for all the jobs.

Chapter 6
Scan to file on the Océ TCS400

Introduction to how to scan to file on the Océ TCS400

This chapter contains all the information you need to do scan-to-file jobs from the Océ TCS400 scanner. You can learn more about the following:

- How to define the job settings
- How to start a job.

The 'Important scan-to-file settings' section in this chapter describes the settings that control the file size and the image quality and the available file formats for scan to file.

Chapter 6, the 'Use Océ Scan Manager for your scan-to-file jobs' describes the software application that you need for your scan-to-file jobs.

Use the Océ Scan Manager for the following.

- Create the destinations
- Manage the destinations
- View the scanned files
- Print the scanned files.

The on-line help in the Océ Scan Manager gives full information about the different functions of the application.
The on-line help in the Océ Settings Editor gives full information about the different job and system settings.

Use the Océ TCS400 scanner to scan to file

The scan-to-file settings on the scanner operator panel

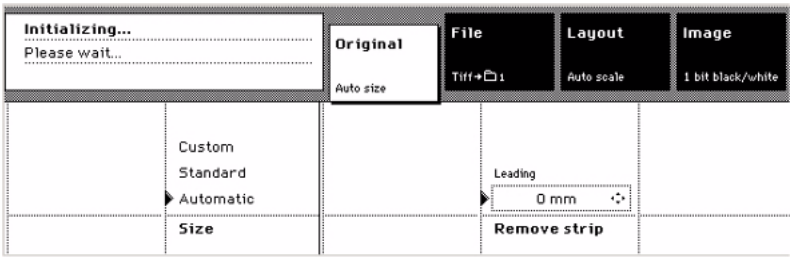
Definition

This section gives a description of the setting cards for the scan-to-file jobs.

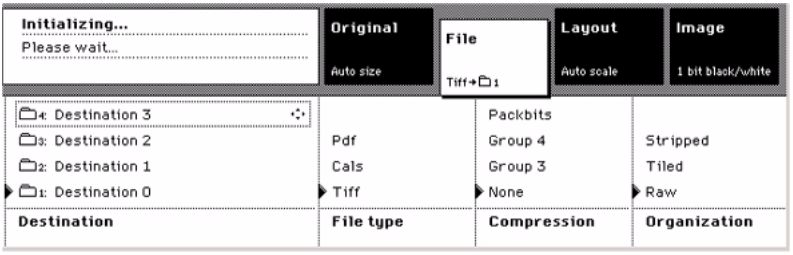
The scan-to-file settings

The scan-to-file settings are divided over following 4 setting cards on the scanner operator panel.

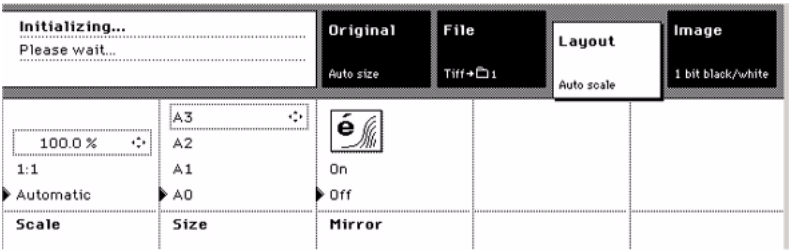
- The 'Original' card
- The 'File' card
- The 'Layout' card
- The 'Image' card.



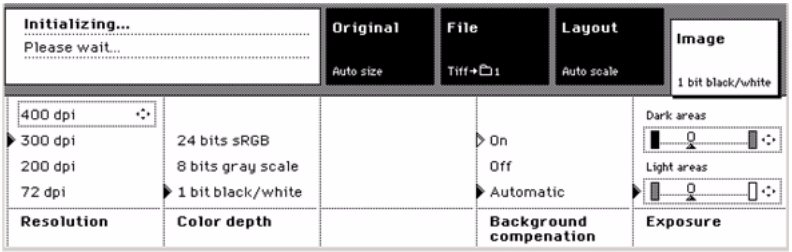
[25] The Original card



[26] The File card



[27] The Layout card



[28] The Image card

Use the settings on the 'Original' card for the following:

- Define all the settings that deal with the original
- Define the size of the original
- Remove a leading strip.

Use the settings on the 'File' card for the following.

- Define all the settings that deal with the destination and file output
- Select the destination for scan to file
- Define the file format
  (see '*File formats for scan to file*' on page *91*)
- Define the file compression
  (see '*The settings that control the file size and the image quality*' on page *86*)
- Define the file organization for 'TIFF' files
  (see '*The settings that control the file size and the image quality*' on page *86*)

Use the settings on the 'Layout' card for the following:

- Define all the settings that deal with the layout changes
- Define the scale factor
- Mirror the image.

Use the settings on the 'Image' card for the following:

- Define all the settings that deal with the image quality at the pixel level
- Define the file resolution
  (see '*The settings that control the file size and the image quality*' on page *86*)
- Define the color depth
  (see '*The settings that control the file size and the image quality*' on page *86*)
- Define the correct color mode
- Define the exposure of the light areas and the dark areas
- Define the correct image type
- Enable automatic background compensation

Note: *The on-line help in the 'Océ Settings Editor' gives a complete description of the different settings.*

Define the scan-to-file settings on the scanner operator panel

Introduction

This section describes how to change the default settings for the scan-to-file jobs.

Before you begin

Define the default values of the settings in the Océ Settings Editor. See the on-line help in the Océ Settings Editor about how to define the default settings.

How to define the scan-to-file settings

1. On the home screen, press lower softkey for 'Entry to the scan-to-file settings' to enter the settings screen.
2. Select a card with the upper softkeys.
3. Change the settings with the lower softkeys.
4. Use the arrow keys to define the settings, or the options within the settings, that use a spin box.
   A number of settings have more options than the screen can display. A number of other settings have numeric values. Use the arrow keys to select the options the screen cannot display. Use the arrow keys or the numeric keys to enter the numeric settings.

Create and start a scan-to-file job

Introduction

This section describes a general workflow for the scan-to-file jobs.

How to create and start a scan-to-file job

1. Place the original face down, center aligned along the measurement ruler. If you feed the original, keep the original in position until it is drawn into the scanner.
2. On the home screen, select the 'Entry to the scan-to-file settings'.
3. Define the job settings on the screen. Use the upper softkeys to select the setting card and use the lower softkeys to define the settings in the cards.
   On the 'File' card select the following.
   - The destination for the file for the file in the 'Destination' section
   - The file format of the file in the 'File type' section
   - The file compression method for the selected file type in the 'Compression' section.
   - The file organization for TIFF files in the 'Organization' section.

   On the 'Image' card select the following.
   - The color depth for the selected file type in the 'Colour depth' section
   - The resolution for the file in the 'Resolution' section.

   Note: *Make sure that the file properties you select are supported in your software environment.*
4. Press the green 'Start' key to start the scan job.
   Your original is fed into the scanner. The scanning starts.
   Note: *The 'Start' key only functions if you are in the job settings screen. If you are in the home screen or the 'System' screen, the 'Start' key does not function. If the 'Start' key is not pressed before the end of the 'Panel time-out' all settings return to their default values. Define the 'Panel time-out' in the Océ Settings Editor.*
5. When the original is held at the front side or the back side, use the release original key on the scanner operator panel to remove the original.(see ‘*The scanner operator panel*’ on page *32*).
   Note: *Use the **KO - Scanner - Settings - Original release mode** setting in the Océ Settings Editor to define the 'Original release mode'. (see ‘Original release mode’ on page 157).*
6. Use the home key to return to the home screen. (see ‘*The scanner operator panel*’ on page *32*).

Retrieve the scanned files from the controller

When to do

The following files are stored local on the controller

- Files scanned to a local destination.
- When you scan to a remote destination and an error occurs, the file is stored in the 'Unsent' folder on the controller.

The scanned files are also stored in the temporary store on the controller, regardless of the destination you define.

Use File Transfer Protocol (FTP) to retrieve the files from the controller.

How to retrieve the scanned files from the controller

1. Launch an FTP client.
2. Enter the 'Open' command followed by the host name of the Océ Power Logic® controller or the IP address
   Note: *You can also enter ftp host_name in the FTP client.*
   Press Enter.
3. The connection with the Océ Power Logic® controller is established.
   A dialog box prompts you for a user name.
4. Enter the user name 'anonymous' with the password 'anonymous'.
   Press Enter.
5. Enter 'bin' to set the transmission mode to binary.
6. Use the command 'cd tempstore' to go to the 'tempstore' directory.
7. Go to the 'scan' directory to retrieve a file from a destination local on the controller.
   Go to the 'unsent' directory to retrieve a file from the 'Unsent' folder on the controller.
8. Use the 'get' command to retrieve the file. For example 'get floorplan.tif'
9. Use the 'bye' command to quit FTP.

Important scan-to-file settings

Define the size of the originals

Introduction

The following settings are available:

- 'Automatic'
  The scanner detects the size of the original based on the width of the original.
  This is the recommended setting.
- 'Standard width'
  The scanner scans only the selected standard width.
  This setting overrules the automatically detected width of the original.
- 'Custom'
  The width is the width selected in the 'Original custom width' setting and the length is equal to the length selected in the 'Original custom length' setting.

Before you begin

Use the **KO - System - Media - Paper series** setting in the Océ Settings Editor to define the default paper range used when you select 'Standard' as the ' Original size method'.

Define the original size

1. Select the 'Original' card with the upper softkeys.
2. Select the 'Original size method' setting with the softkey for 'Size'.
3. When you select 'Standard width' as the 'Original size method', use the softkey for 'Standard' to select the original standard size for the defined paper range.
4. If you select 'Custom' as the 'Original size method', use the softkey for 'Custom' to select 'Custom width' or 'Custom length'.
5. Use the arrow keys to define the 'Custom length' and the 'Custom width'.
   If you select 'Full length' as the 'Custom length', the complete length of the original is scanned.

The settings that control the file size and the image quality

Introduction

A number of settings control the size of the file and the quality of the image. The better the quality of the image, the larger the file size. The settings that control the size of the file and the quality of the image are interdependent. The definition of one settings influences the options you have for another setting.

This section describes the following:

- the settings that control the size of the file and the quality of the image
- the dependencies of the settings.

The setting on the scanner operator panel	Location of the setting in the Océ Settings Editor	Explanation
'File format' on the 'Original' card	**Path: KO - Jobs - Scan to file - Defaults - File - File format**	Use this setting to define the file type of the scanned files.
'File compression' on the 'File' card	**Path: KO - Jobs - Scan to file - Defaults - File - ... compression**	Use this setting to define the compression method for the files
'TIFF organization' on the 'File' card	**Path: KO - Jobs - Scan to file - Defaults - File - TIFF organization**	Use this setting to define the internal organization of TIFF files.
'File resolution 'on the 'Image' card	**Path: KO - Jobs - Scan to file - Defaults - Image - File resolution**	Use this setting to define the resolution of the scanned images
'Colour depth' on the 'Image' card	**Path: KO - Jobs - Scan to file- Defaults - Image - color depth ...**	Use this setting to define the number of bits color information per pixel Use this setting to define the color of the output.

[5] The settings that control the file size and the image quality

The setting on the scanner operator panel	Effect on the file size	Effect on the image quality
'File format'	(see '*File formats for scan to file*' on page *91*)	'TIFF' and 'PDF' are file formats with optimal image quality
'File compression'	A higher compression factor results in a smaller file size. The highest available compression factor for 'TIFF' files is 'Packbits'. The highest available compression factor for 'PDF' files is 'Flate'. **Note:** *'Group 3 ' and 'Group 4' are the compression methods which are best for text and vector drawings. If you select 'Group 3 ' or 'Group 4' to scan a photo, this compression method can cause the file size to increase instead of decrease.* *'Flate' can take longer to process.*	The file compression methods available on the Océ TCS400 do not control the quality of the image.

The setting on the scanner operator panel	Effect on the file size	Effect on the image quality
'TIFF organization'	■ 'Raw' This file organization type method gives the best print performance. ■ 'Stripped' This file organization type is a compromise between print performance and view performance. ■ 'Tiled' . This file organization type gives the best view performance. **Note:** *'Raw' has the best compatibility with old drawing programs.*	N/A
'File resolution '	A higher resolution results in a larger file size.	A higher resolution results in a higher image quality
'color depth'	A higher number of bits per pixel makes more color possible. ■ 1 bit makes only black and white images possible ■ 8 bits makes grayscale images possible ■ 24 bits makes true color possible A higher number of bits per pixel results in a larger file size.	The options depend on the file format you selected. See the table below.

[6] The effect of the settings on the file size and the image quality

Available file formats	Available file compression methods	Available color depths
TIFF File organization ■ Raw ■ Stripped ■ Tiled	None (uncompressed)	Black & white, 1 bit per pixel
		Grayscale, 8 bits per pixel
		RGB, 24 bits per pixel
	Group 3 2D	Black & white, 1 bit per pixel
	Group 4	Black & white, 1 bit per pixel
	Packbits	Black & white, 1 bit per pixel
		Grayscale, 8 bits per pixel
		RGB, 24 bits per pixel
CALS-I	Group 4	Black & white, 1 bit per pixel
PDF	Group 4	Black & white, 1 bit per pixel
	Flate	Black & white, 1 bit per pixel
		Grayscale, 8 bits per pixel
		RGB, 24 bits per pixel

[7] The dependencies of the settings

Note: *The section 'File formats for scan to file' contains information about the available file formats. (see ‘File formats for scan to file’ on page 91)*

File formats for scan to file

Introduction

The Océ TCS400 supports the following file formats for scan to file.

- 'TIFF 6.0'
- 'PDF 1.3'
- 'CALS-I'.

The format you select depends on the function of the file.

Explanation of the TIFF file format

General explanation	When to use the file format	File organization
'TIFF' means Tagged Image File Format.	Versatility and compatibility make the 'TIFF' format a widely used format. You can use the TIFF format on both the Mac and PC platforms. The 'TIFF' format supports a wide range of picture bit depth, and allows a many forms of compression. You can use TIFF files in most graphic applications.	The data can be stored in a 'TIFF' file in the following ways ■ 'Raw' This file organization type does not break the image into parts. ■ 'Strips' The 'TIFF' method of breaking the image into strips is acceptable for low-resolution and medium-resolution images. ■ 'Tiles'. You can access the high-resolution images more efficiently if the image is broken into square tiles instead of the horizontally wide, but vertically narrow strips.

Explanation of the PDF file format

General explanation	When to use the file format	File size	File organization
'PDF' means Portable Document Format	'PDF' enables you to reproduce the documents exactly like they appeared in the original development application. You must use Adobe® Acrobat® or Adobe® Illustrator® applications to open the PDF files.	A feature of the 'PDF' file format is its ability to describe complex pages and documents while maintaining relatively small file sizes.	The 'PDF' files can have different compression methods

Explanation of the CALS-I file format

General explanation	When to use the file format	File organization
'CALS' means Computer-aided Acquisition and Logistics Support and is a USA military standard.	'CALS' files are intended for document imaging.	Monochrome,1-bit image data only.

Define the scale settings

Introduction

Define the scale settings on the 'Layout' card of the scanner operator panel.

Define the scale settings

1. Select the 'Layout' card with the upper softkeys.
2. Select the 'Scale' setting with the softkey for 'Scale'.
   Select one of the following:
   - 'Automatic'
     The image is scaled automatically to fit exactly on the media width selected on the 'Output' card.
   - '1:1'
     The image on the output has the exact size of the image on the original.
   - Custom.
     You can define a scale factor in a range from 10% to 1000%.
     When the result of the scale factor is larger than the output size, loss of information occurs.

Use the automatic scaling setting

1. Select 'Automatic' with the softkey for 'Scale' on the 'Layout 'card .
2. Select a standard size with the softkey for 'Size' on the 'Layout' card.
3. The image scales to the output size you selected. For example, if the original size was A3 and the output size selected was A1, the image on the output has a A1 size.

Chapter 7
Use Océ Scan Manager for your scan-to-file jobs

Introduction to the Océ Power Logic® controller: Océ Scan Manager

Introduction

This chapter describes how to use the Océ Scan Manager for your scan-to-file jobs.

Access the Océ Scan Manager local on the controller. You must have a keyboard, mouse and monitor with your Océ Power Logic® controller to use the Océ Scan Manager.

See 'Océ Power Logic® controller: Océ Settings Editor' for information about how to start the application locally on the controller. (see '*Start the Océ Power Logic® controller applications*' on page *220*).

Description of the Océ Scan Manager

The Océ Scan Manager allows you to do the following.

- Create the destinations for scan-to-file
- Define the file names
- Print scanned files
- Retrieve scanned files.

Océ View Station LT

Océ View Station LT is an application that runs with Océ Scan Manager. Océ View Station LT enables you to view the scanned file.

When 'Auto view' is enabled, Océ View Station LT starts automatically to display the scanned file when the scan to file is complete. (see '*Manage the scanned files*' on page *107*).

User modes

Only the key operator and the service operator are allowed to make changes in Océ Scan Manager.

Overview of the Océ Scan Manager

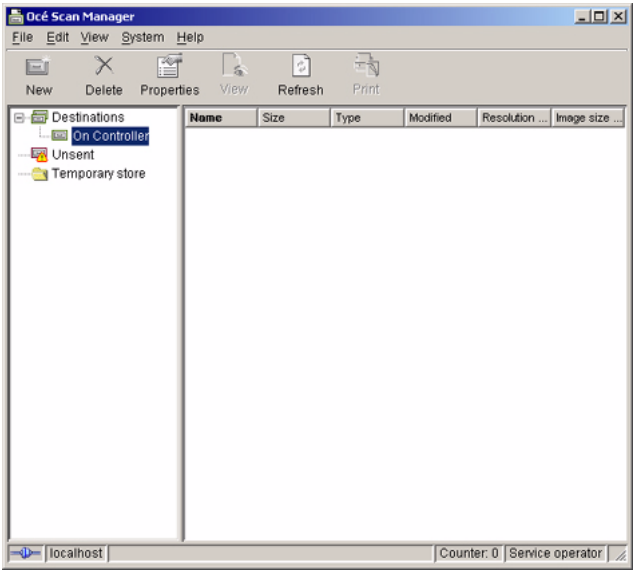
Introduction

This section contains an overview of the Océ Scan Manager application. Use the Océ Scan Manager for scan to file.

The structure of the Océ Scan Manager

The Océ Scan Manager has the following fields.

- The menu bar
- The top tool bar
- The destination area
- The scanned files area
- The status bar.



[29] The Océ Scan Manager

Component	Function
'File'	■ When no objects are selected, you can do the following from the 'File' menu. ■ Log on to a user mode ■ Log off from the previous user mode. When a destination is selected, you can do the following from the 'File' menu. ■ Add a new destination ■ Delete the selected destination ■ View the properties of the selected destination ■ Open the destination ■ Save the destination. When a file is selected, the 'File' menu includes the following items. ■ View the properties of the selected file ■ Delete the selected file ■ Print the selected file ■ View the selected file.
'Edit'	■ Use 'Automatic logon', to start the Océ Scan Manager application automatically in the defined user mode.
'View'	■ Toggle between the display languages ■ Refresh the list of files.
'System'	■ Clear the temporary store ■ Use 'Auto view' to enable or disable the automatic view of the scan file.
'Help'	■ Access the contents of the on-line help ■ Get more information about the copyright and the version of the application.

[8] The menu bar items

The tool bar

Component	Function
'New'	Create a destination
'Delete'	Delete a destination
'View'	View the scanned file
'Refresh'	Update the screen.
'Print'	Print a scanned file.

[9] The buttons of the toolbar

The destination area

Component	Function
The tree structure (left-hand pane of the main window)	Displays the following. ■ The destinations ■ The temporary store ■ The 'Unsent' folder.
The destination area (right-hand pane of the main window)	Displays the following. ■ The file name ■ The file type ■ The file resolution ■ The file size ■ The pixel size of the image ■ The original size.

[10] The parts of the destination area

The scanned files area

The scanned files area shows the files scanned to the destination selected in the destination area.
The scanned files that are scanned last, are shown on the bottom of the list.
When you cannot see the files that are scanned last, use the 'Refresh' button on the toolbar to update the view or select 'Refresh' in the 'View ' menu.

[30] The Refresh button on the toolbar

The following information is shown for each file.

- The file name
- The file size
- When the file was last modified
- The resolution of the file
- The size of the image in the file.

The status bar

The status bar of Océ Scan Manager displays the following information.

- The system status (connected, disconnected)
- The system to which Océ Scan Manager is connected
- The scan clicks (indicates the area that is scanned)
- A message field
- The user mode.

Icon	Description
	Océ Scan Manager is connected to a system.
	Océ Scan Manager is not connected to a system.

Use the Océ Scan Manager

Create destinations

Introduction

You can scan to file to the following types of destination.

- Local
  The local destinations are temporary and can only contain a small number of scanned files. Use the **SA - System - Set memory reservation** setting in the Océ Settings Editor to define the available space on the controller for scanned files.
- A network destination with SMB
- An internet destination with FTP.

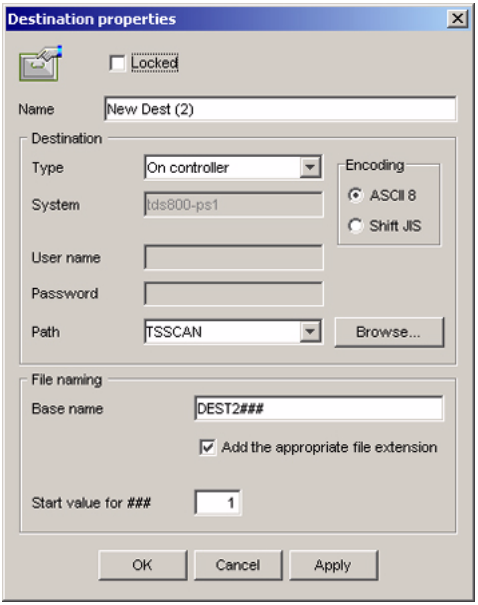
You can create a maximum number of 10 destinations.

Note: *You can only enter names in Japanese for remote destinations in SMB.*

Create a local destination

1. Select 'Destinations' in the tree structure.
2. From the 'File' menu, select 'New'.
   You can also click the 'New' button on the toolbar.

The 'Destination properties' dialog box opens.



[31] The Destination properties dialog box

3 Enter a name for the destination in the 'Name' text box.
This name will appear on the scanner panel.
4 From the 'Type' drop-down list box, select 'On the controller'.
5 Enter a path of the target folder in the 'Path' text box.
You can also click the 'Browse' button to select the path.
6 Click 'OK' to accept the destination properties.

Create a network destination with SMB

1 Create a shared folder on a workstation. For example c:\Scan.
2 From the 'File' menu on the Océ Scan Manager, select 'New'.
You can also click the 'New' button on the toolbar.
The 'Destination properties' dialog box opens.
3 From the 'Type' drop-down list box, select 'SMB'.
4 Enter the system name of the workstation where you created the shared folder in the 'System' text box.
Note: *Find the system name of the workstation on the control panel of the workstation (**Control panel - Network - Identification - System name**)*

5 Enter a path of the target folder in the 'Path' text box.
The path name is the name of the shared folder on your workstation. For Windows NT® , Windows® 2000 and XP, use the DOS name of the shared folder. For Windows 95/98® use the folder name. This is case sensitive.
You can also select a shared folder from the drop-down list.
6 If you defined a user name and a password for the shared folder on the workstation, then enter the user name and the password in the required fields.
Note: *Make sure the user has write-access privileges on the destination.*
7 Define the required file naming properties.
8 Click 'OK'.
Océ Scan Manager connects to the new SMB destination. Océ Scan Manager then shows the contents of the new SMB destination.

Create an internet destination with FTP

1 Create a home directory and a subdirectory on a workstation. For example c:Ftp/Scan
2 Enable FTP on the workstation.
3 From the 'File' menu on the Océ Scan Manager, select 'New'.
You can also click the 'New' button on the toolbar.
The 'Destination properties' dialog box opens.
4 From the 'Type' drop-down list box, select 'FTP'.
5 Enter the system name of the workstation where you created the shared folder in the 'System' text box.
Note: *Find the system name of the workstation on the control panel of the workstation (**Control panel - Network - Identification - System name**)*
6 Enter a path of the target folder in the 'Path' text box.
The path name is the name of the destination folder on the workstation.
7 A user name and password is defined on the FTP server that runs on the workstation to access to the directory on the workstation through FTP. Enter this user name and this password in the required fields on the Destination Properties dialog box of the Océ Scan Manager.
Note: *Make sure the user has write-access privileges on the destination.*
8 Define the required file naming properties.
9 Click 'OK'.
Océ Scan Manager connects to the new FTP destination. Océ Scan Manager then shows the contents of the new FTP destination.

Manage destinations

Introduction

You can do the following to manage the destinations.

- Lock a destination.
- Unlock a destination
- Delete a destination
- Change the destination properties.

Purpose

When you lock a destination, an anonymous user cannot change the destination properties.

Lock or unlock a destination

1. Select a destination.
2. From the 'File' menu, select 'Properties'.
   You can also click the 'Properties' button on the toolbar.
3. Check the 'Locked' check box.
   Uncheck the 'Locked' check box to unlock the destination.
4. Click 'OK' to accept the destination properties

Delete a destination

1. Log on to the key operator mode or the repro operator mode.
2. Select a destination.
3. From the 'File' menu, select 'Delete'.
   You can also click the 'Delete' button on the toolbar.
   The selected destination is deleted.

   Note: *You cannot delete the last destination.*

Change the destination properties

1. Select a destination.
2. From the 'File' menu, select 'Properties'.
   You can also click the 'Properties' button on the toolbar.
3. Change the destination properties like described in the 'Create destinations' section. (see '*Create destinations*' on page *101*)
   Note: *When the destination is locked, anonymous users cannot change the destination properties.*

Define a file name

When to do

When you scan, the scanner operator panel shows the file name.
Before a new scan-to-file job, enter a new file name or replace the file name with ###.
When the file name is not changed, the new scan-to-file job writes over the previous scan-to-file job.

Define a file name

1. Select a destination.
2. From the 'File' menu, select 'Properties'.
   You can also click the 'Properties' button on the toolbar.
3. Enter a name in the 'Base name' text box.
   The 'Base name' can contain '###' for automatic file naming. An ascending number replaces the '###'. There are no limits to the number of dots in the base name.
4. Select the check box 'Add correct file extension' to define a file extension. Use the setting **KO - System - Scan to file - File extension ...** in the Océ Settings Editor to define a file extension.
5. Click 'Apply' or press 'Enter' to accept the settings.

Manage the scanned files

Introduction

The right-hand pane of the destination area displays information about the scanned files.

You can do the following to manage the scanned files.

- View a scanned file"
  When 'Auto view' is enabled, Océ View Station LT starts automatically to display the scanned file when the scan to file is complete.
- Print a scanned file
- Delete a scanned file
- View the properties of a scanned file.

View a scanned file

1. Select a file.
2. From the 'File' menu, select 'View'.
   You can also click the 'View' button on the toolbar.

[32] The View button on the toolbar

Océ View Station LT starts and displays the file

Enable Auto view

1. From the 'System' menu, select 'Auto view'.
   A check mark in the menu in front of 'Auto view' indicates that 'Auto view' is enabled.

Print a scanned file

1. Select a file.
2. From the 'File' menu, select 'Print'.
   You can also click the 'Print' button on the toolbar.

[33] The Print button on the toolbar

The system prints the selected file with the default settings defined in the Océ Settings Editor.

Delete a scanned file

1. Log on to the key operator mode or the repro operator mode.
2. Select a file.
3. From the 'File' menu, select 'Delete'.
   You can also click the 'Delete' button on the toolbar.

[34] The Delete button on the toolbar

The system deletes the selected file.

Clear the temporary store

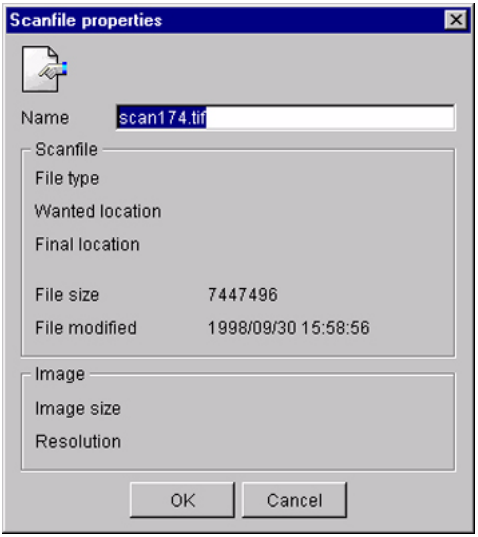
1. From 'System' menu, select 'Clear temporary store' or,
2. Use the settings **Path: KO - System - Disk cleanup - ... - ...** in the Océ Settings Editor to clear the temporary store automatically.

View the properties of a scanned file

1. Select a file.
2. From the 'File' menu, select 'Properties'.
   You can also click the 'Properties' button on the toolbar.

[35] The Properties button on the toolbar

3 The 'Scanfile properties' window appears.



[36] The Scanfile properties window

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

Océ View Station LT

Introduction to Océ View Station LT

Description of Océ View Station LT

Océ View Station LT is a viewer included in Océ Scan Manager. Océ View Station LT displays the scanned files.

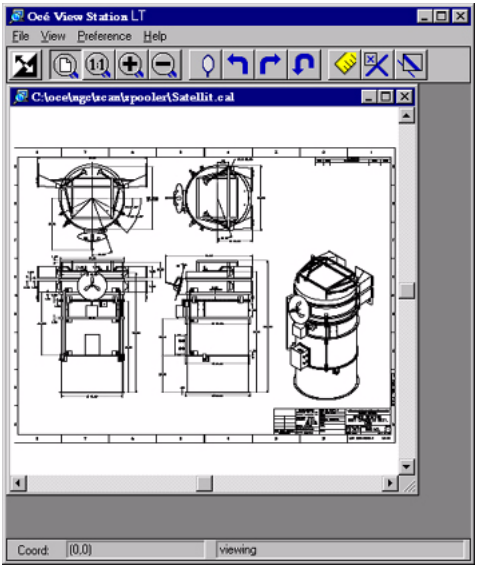
When 'Auto view' is enabled, Océ View Station LT starts automatically to display the scanned file when the scan to file is complete. You can also start Océ View Station LT manually. (see '*View a scanned file*')

Overview of Océ View Station LT

Introduction

Océ View Station LT has the following fields.

- The menu bar
- The view ribbon
- The view area.



[37] Océ View Station LT

The menu bar

- The menu bar has the following menu's.
- 'File'
- 'View'
- 'Preference'
- 'Help'.

Item	Function
'Close'	Close the active document.
'Properties'	Open the properties dialog box of the document. The properties dialog box enables you to change some properties of the document.

[11] The File menu

Item	Function
'Fit'	Scale the image to fill the window.
'1:1'	Show the image at a 1:1 scale factor.
'Magnify'	Zoom into the page.
'Reduce'	Zoom out of the page.
'Refresh'	Refresh the view of all the windows that show the active document.
'Invert'	Reverse the black and white parts of the image.
'Mirror'	Mirror the image.
'Rotate 90 CCW'	Rotate the image 90 degrees counter-clockwise (to the left).
'Rotate 90 CW'	Rotate the image 90 degrees counter-clockwise (to the right).
'Rotate 180'	Rotate the image 180 degrees.
'Sample'	When active, 'Sample' shows only a sample of bilevel raster pixels.
'Negate'	Reverse the showed raster image pixels. Change the dominant raster image pixels for scaling.

Item	Function
'Scale to gray'	When active, 'Scale to gray' shows the active bilevel raster image as a grayscale image.
'Monochrome'	Show an image or screen with only background and foreground colors, like black-and-white or bilevel.

[12] The View menu

Item	Function
'View ribbon'	Show the view ribbon. The view ribbon provides easy access to some 'File', 'View', and 'Preference' menu items. See the 'View ribbon' section below.
'Status bar'	Shows the status bar at the bottom of the Océ View Station LT window. The Status Bar shows the pointer co-ordinates and a status line.
'Reference'	Show the 'Reference' window. The 'Reference' window is a small, normally floating window. The 'Reference' window shows the complete current page in miniature. The crossed box in the 'Reference' window indicates the part of the page showed in the document window. Move or change the size of the crossed box to change the area of the page showed.
'Detail'	Shows the 'Detail' window.
'Measurement'	Enables you to measure the lines and the areas on the image.

[13] The Preference menu

Item	Function
'About'	Show information about Océ View Station LT.

[14] the Help menu

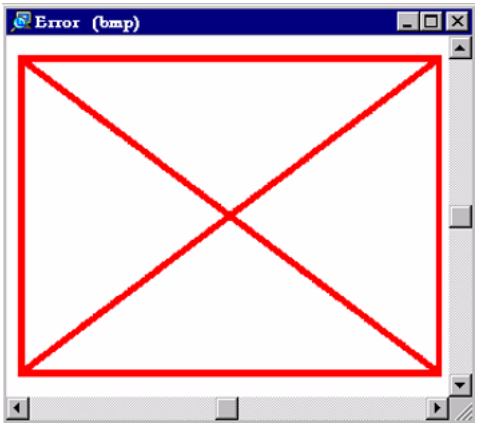
Button	Function
	Reverse the black and white parts of the image.
	Scale the image to fill the window.
	Show the image at a 1:1 scale factor.
	Zoom into the page.
	Zoom out of the page.
	Mirror the image.
	Rotate the image 90 degrees counter-clockwise (to the left).
	Rotate the image 90 degrees counter-clockwise (to the right).
	Rotate the image 180 degrees.
	Enables you to measure the lines and the areas on the image.
	how the 'Reference' window. The 'Reference' window is a small, normally floating window. The 'Reference' window shows the complete current page in miniature. The crossed box in the 'Reference' window indicates the part of the page showed in the document window. Move or change the size of the crossed box to change the area of the page showed.
	Shows the 'Detail' window.

[15] The View ribbon

The view area

The view area shows the scanned file.

When the memory is almost full, the viewer cannot show the scanned file. Then, the viewer shows a red border with a red cross.



[38] An error view in Océ View Station LT

Use your right mouse button to click on the file shown in the view area. You can select the following menu items from the pop-up menu.

- 'Zoom ±'
- 'Pan' (Hand tool)
- 'Fit'
- 'Magnify'
- 'Reduce'
- 'Invert'
- 'Rotate 90 CCW'
- 'Rotate 90 CW'
- 'Rotate 180'.

Chapter 8
Ensure the best quality output

Introduction to how to ensure the best quality output

Introduction

This chapter describes how to make sure you have the best quality for your print jobs, scan-to-file jobs and copy jobs.
It is important to know that the quality of your copy output depends on both the scan quality of the scanner and the print quality of the printer.

- The Océ TCS400 offers several methods that help you to define the best print mode for your job. These methods are described in the 'Output modes' section of this chapter.
- The Océ TCS400 has 3 methods that help you to identify and analyze changes in the output quality, the 'Quality check' print, the 'Tone scale area check' print, and the 'Demo print'. The 'Check the output quality' section of this chapter describes these 3 methods.
- When you find problems with the output quality, the 'Optimize the output quality' section of this chapter helps you to correct the problems. (see '*Use the Optimize print quality wizard*' on page *141*).

Remember that the output quality depends on the following:
- Media type
  (see '*Change the type of media defined on the printer*' on page *164*)
- Output mode
  (see '*Introduction to the output modes*' on page *118*)
- Room temperature and humidity.

When to do

Only perform actions to optimize the output quality based on the information supplied in the 'Check the output quality ' section.

When you are not satisfied with the output quality, use the following procedure

1. First, make sure that you load and define the **correct media type** on the printer. Use the 'Change media type' wizard to load a media roll and to change the media type defined on the system. (see '*Change the type of media defined on the printer*' on page *164*).
   Then, make sure you define the correct media type for your job.
   The following problems are never connected to media: Ignore the above steps for these problems and directly continue with step 3.
   - The length and width measurements are different from the original
   - The colored lines are not well aligned
   - Missing sections in lines or stepped lines
   - Missing parts of text
   - Drop-out caused by nozzle problems.
2. Make sure you defined the **correct output mode** for your job. (see '*Introduction to the output modes*' on page *118*).
   Note: *The output modes for the print jobs match the output modes for the copy jobs with the exception of the modes related to file content. (see 'Introduction to the output modes' on page 118).*
3. Finally, if you have defined the correct media and the correct print mode, and you are still not satisfied with the output quality, use the wizards to achieve optimal output quality. (see '*Optimize the output quality on the printer*' on page *137*) and (see '*Optimize the output quality from the scanner*' on page *144*)

Output modes

Introduction to the output modes

Introduction

The Océ TCS400 enables you to select the correct mode for your output requirements. You can select the following modes:

- Modes related to color
- Modes related to the output quality
- Modes related to file content
- Modes related to image type.

When you perform print jobs, define the required output modes in the printer driver.
When you do copy jobs, define the required output modes on the 'Image' card on the scanner operator panel.

Define the default output modes in the Océ Settings Editor.

Modes related to color

Use this setting to define the color mode of the Océ TCS400. You can select the following:

Color mode	Function
'Color'	The Océ TCS400 prints the jobs in full color. Use this setting when the image on the original is in color and the printed output requirement is color.
'Grayscale'	The Océ TCS400 prints the jobs in grayscale. Use this setting when the image on the original is in color and the printed output requirement is greyscale. Use this setting when the image on the original is grey-scale.

[16] The color modes

Modes related to the output quality

Use these modes to define the output quality. You can select the following:

Quality mode	Function
'Check'	The print speed is very high. The output quality is good. Use this setting when output quality is not the most important. For example, to check if all the information is visible on the printed output.
'Release'	The print speed is high. The output quality is very good. This quality mode offers a good combination of output quality and productivity. Use this setting to print good quality drawings at high speed. For example, to approve bid-sets or for internal releases of drawings.
'Presentation'	The print speed is moderate. The output quality is optimal. Use this setting when you need the best possible output quality. For example, to present drawings to the customers.

[17] The output quality

Modes related to file content for the print jobs

Use the content modes to define the best output quality for your original file.

Content mode	Function
'Area fills'	When you select the 'Area fills' mode, the printer does ink reduction corrections. The ink reduction corrections prevent ink saturation that can cause the cockling of the media. When you select the 'Area fills' mode, the printer prints vivid colors. The 'Area fills' mode is the best mode for files that contain filled areas. For example GIS files.
'Lines/Text'	When you select the 'Lines & Text' mode, the printer does not do ink reduction corrections. When you print files that contain filled areas in the 'Lines & Text' mode, ink saturation can occur. Ink saturation can cause the cockling of the media. The 'Lines & Text' mode is a fast and productive mode. The 'Lines & Text' mode is the best mode for files that contain line drawings and text. For example 2D CAD drawings

[18] Content modes (print jobs)

Modes related to the image type for the copy jobs

Use the image types to define the best copy quality for your original file. The available image types depend on the selected color mode. The two tables below show the image types for 'Grayscale' and 'Color' copies in the sequence given.

Image type	Function
'Line art'	This is a fast and productive mode. The 'Line art' mode is the best mode for files that contain line drawings and text. For example CAD drawings.
'Photo'	The system optimizes for filled areas.
'Dark original'	The system optimizes for originals with a dark media background. An image drawn on dark colored media is displayed sharp on the output.
'Blueprint'	The output of a negative image is positive, and the output of a positive image is negative.

[19] Image types for copy output in greyscale

Image type	Function
'Line art'	This is a fast and productive mode. The 'Line art' mode is the best mode for files that contain line drawings and text. For example CAD drawings and aged archives.
'Photo'	The system produces optimal color rendering. The 'Photo' mode is the best mode for files that require high quality color. The 'Photo' mode is the best mode for originals with a large color range. For example, high gloss photo's.

Image type	Function
'Map'	The system optimizes for filled areas and small detailed information. The 'Maps' mode is the best mode for GIS files, magazines, and newsletters.
'Artwork'	The system optimizes for filled areas and produces optimal color fastness. The media background of the image is optimal on the output. The 'Maps' mode is the best mode for inkjet, past-ups, artist impressions, and drawings with photo's.

[20] Image types for copy output with color

Output quality and print speed

Introduction

The quality of your printed output and the print speed depend on the following parameters.

- The media type
- The color mode
- The content mode for the print jobs
- The image type for the copy jobs
- The output quality mode.

The following determines the actual quality of your printed output.

- The print speed.
  The lower the print speed, the better the output quality.
- The scan speed for the copy jobs and the scan-to-file jobs.
  A lower scan speed results in a better output quality.

The following table describes the relation between the output quality and the media type:

The relation between the output quality and the media types

Content mode (print jobs)	Image type (copy jobs)	Quality mode	Color mode	Print speed (A0 not including the drying time and the processing time)
'Lines & Text'	'Line art' 'Dark original' 'Blueprint'	'Check'	'Grayscale'	All media: 1'10"
'Lines & Text'	'Line art' 'Dark original' 'Blueprint'	'Release'		All media: 3'30"
'Lines & Text'	'Line art' 'Dark original' 'Blueprint'	'Presentation'		All media: 7'00"
'Area fills'	'Photo'	'Check'		All media: 1'10"
'Area fills'	'Photo'	'Release'		All media: 7'00"
'Area fills'	'Photo'	'Presentation'		All media: 11'45"

Content mode (print jobs)	Image type (copy jobs)	Quality mode	Color mode	Print speed (A0 not including the drying time and the processing time)
'Lines & Text'	'Line art' 'Maps'	'Check'	'Color'	All media: 2'20"
'Lines & Text'	'Line art' 'Maps'	'Release'		Uncoated media: 4'20" Coated media, Film and photo paper: 9'35"
'Lines & Text'	'Line art' 'Maps'	'Presentation'		Uncoated media: 9'35" Coated media, Film and photo paper: 12'00"
'Area fills'	'Photo' 'Artwork'	'Check'		All media: 9'35"
'Area fills'	'Photo' 'Artwork'	'Release'		Uncoated media: 6'40" Coated media: 11'45" Film and photo paper: 12'00"
'Area fills'	'Photo' 'Artwork'	'Presentation'		Uncoated media: 12'00" Coated media: 23'30" Film and photo paper: 23'30"

[21] The relation between the output quality and the media types

Recommended media types and quality modes

Introduction

The selection of the media and the quality modes depends on the application of the output. The tables give you an idea of which media type and quality modes to use in a work process.

CAD drawings - Grayscale

When to use	Recommended media type	Recommended Quality mode
To check a drawing	Draft paper Standard paper Tracing paper Bond Translucent bond	'Check' 'Release'
To release a drawing	Draft paper Standard paper Tracing paper Premium coated paper Matte film Bond Translucent bond Deluxe bond	'Release'
To present a drawing	Draft paper Standard paper Tracing paper Premium coated paper Matte film Bond Translucent bond Deluxe bond	'Presentation'
To archive a drawing	Matte film Color vellum	'Release' 'Presentation'
Diazo	Tracing paper Matte film Translucent bond Color vellum	'Release'

[22] CAD drawings - Grayscale

CAD and GIS drawings - color

When to use	Recommended media type	Recommended quality mode
To check a drawing	Draft paper Standard paper Tracing paper Bond Translucent bond	'Check'
To release a drawing	Draft paper Standard paper Premium coated paper Matte film Bond Deluxe bond	'Release'
To present a drawing	Draft paper Standard paper Premium coated paper Matte film Bond Coated bond	'Presentation'
To archive a drawing	Matte film	'Release' 'Presentation'

[23] CAD and GIS drawings - color

CAD and GIS drawings - color (high density)

When to use	Recommended media type	Recommended quality mode
To release a drawing	Premium coated paper High gloss photo paper	'Release'
To present a drawing	Premium coated paper High gloss photo paper	'Release' 'Presentation'

[24] CAD and GIS drawings - color (high density)

Check the quality of the printed output

Quality check print

Introduction

The Océ TCS400 offers two possibilities to check the quality of your printed output.

- Make a quality check print
- Make a tone scale area print
- Make a demo print.

This section describes the problems you can analyze by making a quality check print or demo print. The 'Optimize print quality' section describes how you can solve problems with the quality (see '*Use the Optimize print quality wizard*' on page *141*).

How to make a quality check print

The system prints the 'Quality check' print in the 'Presentation' quality mode and the 'Lines & Text' content mode. The system uses a minimum of media for the 'Quality check' print. We recommend you use Premium coated paper for the 'Quality check' print.

Do the following to make a quality check print.

1. Scroll to the 'System information' card on the on-line screen of the printer operator panel.
2. Use the lower softkey for 'Demo prints' to enter the menu.
3. Use the lower softkey to select 'Quality check'.

Check the output for the problems with the quality described below.

How to analyze the quality check print

The 'Quality check' print option is a quick method to help you find the cause of an unsatisfactory output quality. The 'Quality check' print option is especially useful to check the quality of printed lines.
Use the 'Quality check' print option on the printer operator panel to trace the following problems:

Graphical representation of the problem	Problem	Description
Not available	The color of one area runs into the color of another area	Check if the color of one area runs into the color of another area. The media type influences the image quality. The bleeding test consists of black and yellow areas with white lines in between. If you use Premium Grade paper, a 0.008 inch line must be visible.
Not available	The color of one line runs into the color of another line	Check that the lines or the white space between the lines are visible.
	White stripes in filled areas	Check for white stripes in filled areas. White stripes are not acceptable.
Not available	The output color is not the same as the original color	Make sure you define the correct software settings like the correct pen settings.
Not available	The length and width measurements are different from the original	Check that the frame of the quality check print is exactly the size of an 8.5x11".

Graphical representation of the problem	Problem	Description
Not available	The colored lines are not well aligned or blurred	The horizontal and vertical registration of the colored lines. Check to ensure that the colored lines are well aligned and sharp.
	Missing sections in lines or stepped lines	Check for the quality of lines. Two patterns to show the line quality, circles and 45° lines.
	Missing parts of characters	Check for the quality of text. The text must be readable. Check for wrong alignment of the text.

[25] Description of output quality problems

Tone scale area check

How to make a tone scale area print

The system prints the 'Tone scale area check' print in the 'Presentation' quality mode and the 'Area fills' content mode. The system uses a minimum of media for the 'Tone scale area' print. You are recommended to use Premium coated paper for the 'Tone scale area check' print.

Do the following to make a tone scale area print.

1. Scroll to the 'System information' card on the on-line screen of the printer operator panel.
2. Use the lower softkey for 'Demo prints' to enter the menu.
3. Use the lower softkey to select 'Tone scale area check'.

Check the output for the problems with the quality described below.

How to analyze the tone scale area check

The 'Tone scale area check' print option is a quick method to help you find the cause of an unsatisfactory output quality. The 'Tone scale area check' print option is especially useful to check the quality of the color rendering and the color fastness.
Use the 'Tone scale area check' print option on the printer operator panel to trace the following problems.

Graphical representation of the problem	Problem	Description
	Drop-out	Problems with the nozzles can cause drop-out.
	Banding	Banding means that a print contains regular horizontal stripes. These stripes can appear as light or dark bands. Problems with the nozzles can cause banding. The tone scale area check is printed in the 'Presentation' mode and must not contain banding.

[26] Description of output quality problems

The 'Optimize print quality' section describes how you can solve problems with the quality (see ‘*Use the Optimize print quality wizard*’ on page *141*).

Demo print

How to make a demo print

The system prints the 'Demo' print in the 'Presentation' quality mode and the 'Area fills' content mode. The demo print takes 12 minutes to print.

There are two methods for starting the demo print.

- Through the Océ System Control Panel
- Through the 'System information' card on the on-line screen of the printer operator panel.

How to analyze the demo print

You can make a demo print to get an impression of the print capabilities of the Océ TCS400. You can also use the 'Demo' print option to check the output quality for the different content types.
Use the demo print to trace the following problems:

Graphical representation of the problem	Problem	Description
	Drop-out	Problems with the nozzles can cause drop-out.
	Banding	Banding means that a print contains regular horizontal stripes. These stripes can appear as light or dark bands. Problems with the nozzles can cause banding. Banding can occur in the 'Check' and 'Release' modes if you print a high density print. For the best output quality always use the 'Presentation' mode.

Graphical representation of the problem	Problem	Description
Not available	Cockling	Check for the cockling of the media caused by ink saturation. Cockling can occur in the 'Lines & text' content mode. The system does ink reduction corrections in the 'Area fills' content mode.
Not available	Coalescence	Coalescence means that the individual ink drops merge on the media. The result is a bad image quality. Coalescence occurs in the 'Check' mode when you print on high gloss photo paper.

[27] Description of output quality problems

The 'Optimize print quality' section describes how you can solve problems with the quality (see '*Use the Optimize print quality wizard*' on page *141*).

Methods to optimize the output quality

Optimize the output quality on the printer

Introduction

This section describes different methods which you can use to optimize the output quality on the printer under the conditions described in the previous section.

Problem analysis and solutions

Problem	Method of analysis	Solutions
The color of one area merges with the color of another area	Quality check print	■ Use the 'Area fills' content mode (see '*Output quality and print speed*' on page *123*) ■ The media type defined on the printer must be the same as the media available on the printer. If the media type defined on the printer is not the same as the media available on the printer, use the 'Change media type' wizard to change the media type (see '*Change the type of media defined on the printer*' on page *164*) ■ Use coated media ■ Use the default drying time ■ Use the setting **KO - Printer - Climate dependent alignment** to define if the system must automatically do an alignment when a large change in climate occurs. ■ Remove the printer from high humidity conditions.

Problem	Method of analysis	Solutions
The color of one line runs into the color of another line	Quality check print	■ The media type defined on the printer must be the same as the media available on the printer. If the media type defined on the printer is not the same as the media available on the printer, use the 'Change media type' wizard to change the media type (see '*Change the type of media defined on the printer*' on page *164*) ■ Use coated media ■ Use the default drying time ■ Use the setting **KO - Printer - Climate dependent alignment** to define if the system must automatically do an alignment when a large change in climate occurs. ■ Remove the printer from areas of high humidity.
White stripes in filled areas	Quality check print	■ Use the 'Area fills' content mode ■ Use the 'Presentation' quality mode(see '*Output quality and print speed*' on page *123*) ■ Use the 'Optimize print quality' wizard to correct the problem (see '*Use the Optimize print quality wizard*' on page *141*).
The output color is not the same as the original color	Quality check print	■ Make sure you define the correct software settings, for example the correct pen settings. ■ Use the 'Area fills' content mode ■ Use the 'Presentation' quality mode
The length and width measurements are different from the original	Quality check print	■ Make sure you defined the correct scale settings ■ Use the 'Presentation' quality mode ■ Use the 'Optimize print quality' wizard to correct the problem.

Problem	Method of analysis	Solutions
The colored lines are not well aligned or blurred	Quality check print	■ Use the 'Lines & text' content mode ■ Use the 'Presentation' quality mode ■ Use the 'Optimize print quality' wizard to correct the problem. ■ If failing printheads cause this problem, use the 'Replace printhead' wizard to replace the failing printheads (see '*Replace a defective printhead*' on page *186*).
Missing sections in lines or stepped lines	Quality check print	■ Use the 'Lines & text' content mode ■ Use the 'Presentation' quality mode ■ Use the 'Optimize print quality' wizard to correct the problem. ■ If failing printheads cause this problem, use the 'Replace printhead' wizard to replace the failing printheads.
Missing parts of characters	Quality check print	■ Use the 'Lines & text' content mode ■ Use the 'Presentation' quality mode ■ Use the 'Optimize print quality' wizard to correct the problem.
Ink saturation causes the media to cockle	Demo print	■ Use the 'Area fills' content mode ■ The media type defined on the printer must be the same as the media available on the printer. If the media type defined on the printer is not the same as the media available on the printer, use the 'Change media type' wizard to change the media type ■ Use coated media. ■ Use the default drying time. ■ Use the setting **KO - Printer - Climate dependent alignment** to define if the system must automatically do an alignment when a large change in climate occurs. ■ Remove the printer from areas of high humidity.

Problem	Method of analysis	Solutions
The individual ink drops merge on the media	Demo print	Coalescence occurs in the 'Check' mode when you print on high gloss photo paper. Use the 'Release' or 'Presentation' quality mode
Problems with the nozzles cause drop-out	Demo print	■ Use the 'Optimize print quality' wizard to correct the problem. ■ A defective or end-of-life maintenance cassette can cause this problem. Use the 'Replace cassette' wizard to replace the maintenance cassette (see '*Replace the maintenance cassette*' on page *192*) ■ Use the 'Optimize print quality' wizard to correct the problem.
The print contains regular horizontal light or dark bands	Demo print	■ The media type defined on the printer must be the same as media roll available on the printer. If the media type defined on the printer is not the same as the media available on the printer, use the 'Change media type' wizard to change the media type ■ Use the 'Presentation' quality mode ■ Use the 'Optimize print quality' wizard to correct the problem.
color consistency problems	N/A	■ Some types of media can discolor with age. Check that the media is new and that is stored correctly. ■ Use the setting **KO - Printer - Climate dependent alignment** to define if the system must automatically do an alignment when a large change in climate occurs. ■ Remove the printer from areas of high humidity.

[28] Problem analysis and solutions

Use the Optimize print quality wizard

Introduction

The off-line screen of the printer operator panel contains the 'Optimize print quality' wizard that helps you to correct the problems with the output quality. The wizard performs the following actions:

- Calibration
- Recover a nozzle failure
- Align the printheads for the selected media type.

Define the settings for automatic calibration, nozzle failure detection, and printhead alignment in the Océ Settings Editor. See the on-line help within the Océ Settings Editor application. You can start the calibration, nozzle failure detection and printhead alignment from the printer operator panel.

During the 'Optimize print quality' wizard, the system performs an alignment. The alignment requires the use of media. Make sure at least one roll of media is loaded before you enter the 'Optimize print quality' wizard.

When to do

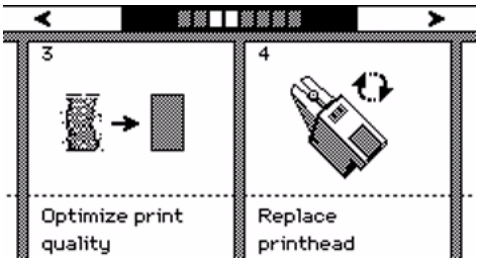
Before you start the 'Optimize print quality' wizard, first check the following:

- Did you use the correct media type?
- Did you use the correct print mode?

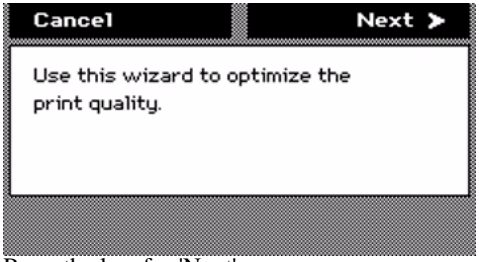
Only start the wizard when you are sure that you used the correct media type and the correct print mode and if the output quality is still not satisfactory.

How to use the Optimize print quality wizard

1. Press the on-line / off-line key to set the printer off-line.
2. Press the upper softkeys to scroll to the 'Optimize print quality' card.

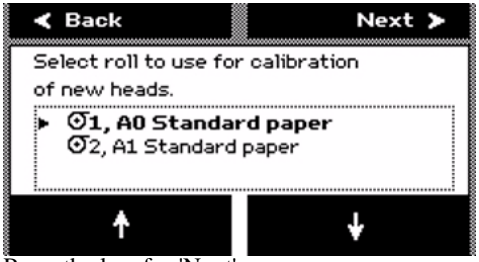


3 Press the lower softkey for 'Optimize print quality' to enter the wizard.
An introduction screen displays the message 'Use this wizard to optimize the print quality.' A roll must be available on the printer for use during calibration.

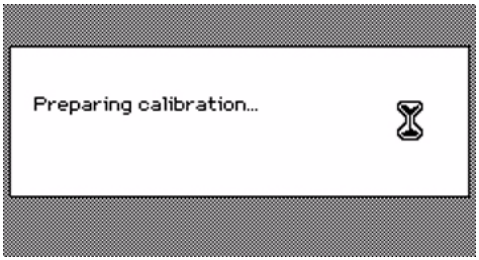


4 Press the key for 'Next'.
The screen displays the message 'Select roll to use'.
You can only calibrate on six defined media types (see '*Overnight printing*' on page *179*). When calibration is not possible with the loaded media, the system asks you to load the correct media. When calibration is possible with one of the rolls, the system automatically uses the correct roll of media. When calibration is possible with both rolls, continue with step 5.

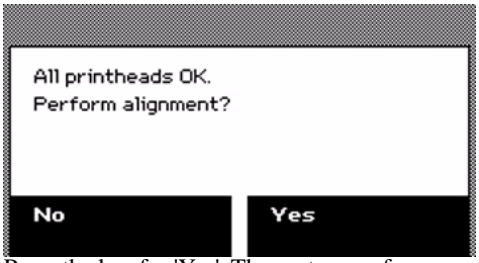
5 Press the lower softkeys to select a media roll for the calibration.



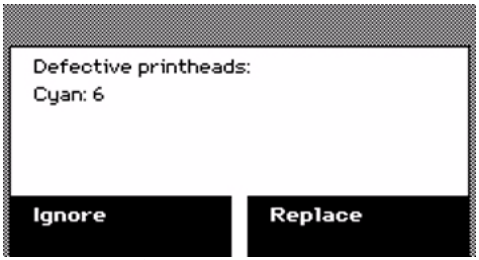
6 Press the key for 'Next'.
The screen displays the message 'Preparing calibration...' The system prepares for the quality check.



The screen displays feedback about the calibration process. The system does a nozzle failure recovery.
You can stop the calibration process at any time. Press the key for 'Cancel' to stop the calibration process.
When there are no defective printheads, you can perform a printhead alignment. The screen displays the message 'All printheads OK. Perform alignment?'



7 Press the key for 'Yes'. The system performs a printhead alignment. The screen displays the message 'Aligning printheads...'
When you select 'No', the system returns to the off-line menu.
When there are printheads with defective nozzles, you cannot do a printhead alignment. The screen displays the message 'defective printheads' with the color and number of the defective printheads.



8 Press the key for 'Replace' to enter the 'Replace printhead' wizard (see '*Replace a defective printhead*' on page *186*).
Press the key for 'Ignore' to return to the off-line screen.
Note: *When the fallback mode is disabled in the Océ Settings Editor or when more than one printhead of one color is defective, you must replace the defective printheads immediately.*

Optimize the output quality from the scanner

Introduction

The Océ TCS400 scanner has the following methods to make sure you have a consistent output quality:

- Automatic scanner adjustment
  The scanner automatically makes the adjustments to make sure the quality is consistent.
- Settings on the scanner operator panel
- Scanner calibration.

This section describes different methods which you can use to optimize the output quality from the scanner for your copy jobs and your scan-to-file jobs.

Problem	Solutions
The image on the output is some what wrong aligned.	Enable the 'Deskew' function on the 'System' screen of the scanner operator panel. Use 'Deskew' for originals that do not contain lines or text. Deskew is especially useful for small originals.
Pollution of the background of the image	Use the arrow keys to enable the 'Autom. background compensation' function on the 'Image' card of the scanner operator panel. When the glass plate and the white platen are dirty, the background of the image can also become polluted. When the glass plate and the white platen are dirty, clean the glass plate and the white platen. (see '*Clean the scan area*' on page *197*)
The image is too dark or too light. There is not enough contrast between dark and light areas in the image.	Use the 'Dark areas' and the 'Light areas' settings on the 'Image' card of the scanner operator panel. Use the left and right arrow keys to increase or decrease the exposure.
General problems with the quality of the output.	Use the 'Scanner calibration' wizard on the 'System' screen of the scanner operator panel to calibrate the scanner.

[29] Problem analysis and solutions

Calibrate the scanner

Introduction

To maintain a consistent quality of the output, the Océ TCS400 scanner operator panel has a calibration wizard.

When to do

Use the scanner calibration wizard to get consistent output of high quality. Between 2 scanner calibrations, the automatic scanner adjustment stabilizes the output quality. The automatic scanner adjustment keeps the scanner independent of changes in the environment.
Use the scanner calibration wizard to start a scanner calibration when the scan quality decreases.

Use the scanner calibration wizard when the following error message appears on the screen.

- 'Unable to align the cameras. Please calibrate the scanner.'

Before you begin

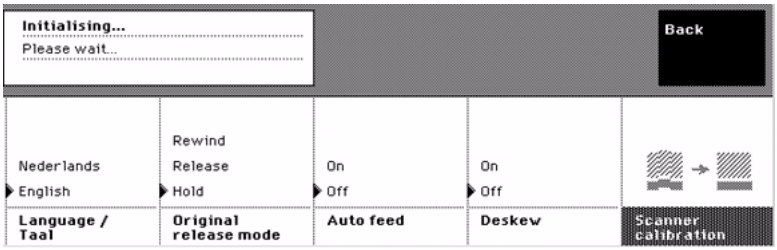
- Turn on the scanner at least one hour before you do the scanner calibration
  The scanner needs one hour to warm-up for optimal calibration.
- Clean the glass plate of the scanner
  (see '*Clean the scan area*' on page *197*)
- Clean the white platen of the scanner
  (see '*Clean the scan area*' on page *197*)
- Clean the calibration sheet
- The scanner operator panel must display 'Ready'.
- Make sure the IT8 file matches the scanner calibration sheet.
  (see '*Update the IT8 file for scanner calibration*' on page *149*)

Required tool

The scanner calibration sheet inside the front compartment.

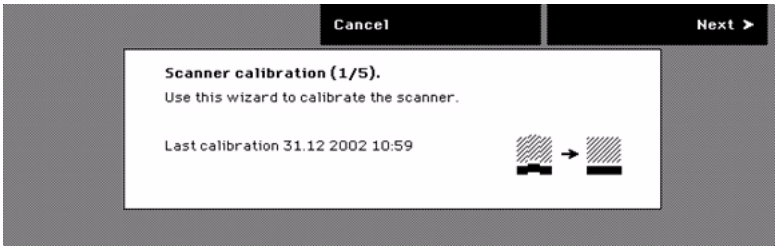
How to calibrate the scanner

1. Press the upper key for 'System' on the home screen.
2. Press the lower key for 'Scanner calibration' to enter the wizard.



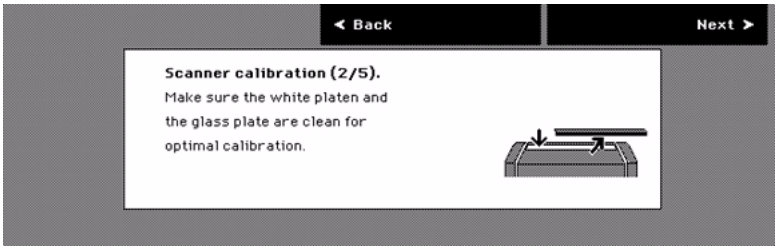
[39] Entry to the scanner calibration wizard on the System screen.

The screen displays 'Use this wizard to calibrate the scanner' and the time and the date of the last successful calibration.



[40] The first step of the scanner calibration wizard

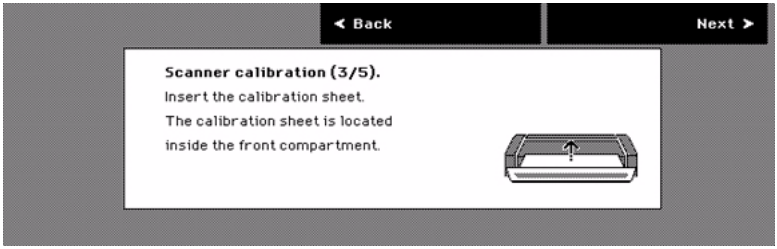
3. Press the upper key for 'Next'.
   The screen prompts you to clean the glass plate and white platen.



[41] The second step of the scanner calibration wizard

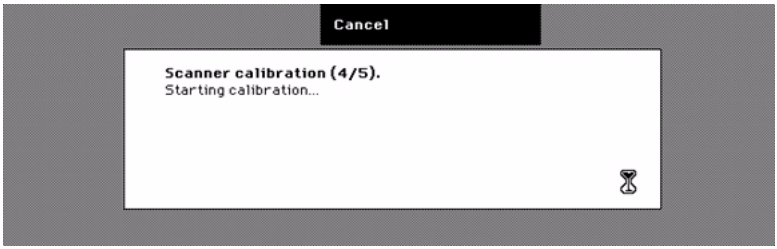
4 After you cleaned the glass plate and white platen, press the key for 'Next'.

5 Place the calibration sheet face down, center aligned.



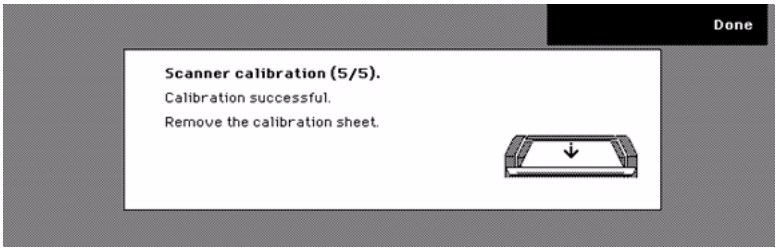
[42] The third step of the scanner calibration wizard

6 Press the key for 'Next'.
The scanner starts the calibration. The calibration takes 10 minutes. If you press the key for 'Cancel', the calibration process aborts. Then, the screen prompts you to remove the calibration sheet.



[43] The fourth step of the scanner calibration wizard

7 If the calibration is completed, remove the calibration sheet.



[44] The fifth step of the scanner calibration wizard

8 Press the key for 'Done'.
The scanner returns to the 'System' screen.

Update the IT8 file for scanner calibration

Introduction

This section explains how to update the IT8 file which is paired to the scanner calibration sheet.

Note: *You must log on as system administrator in the Océ Settings Editor to update the IT8 file.*

When to do

The IT8 file must match the scanner calibration sheet, which is normally found inside the front compartment of the scanner. You can find the IT8 file on the disk supplied with the scanner calibration sheet.

If you receive a new scanner calibration sheet, replace the IT8 file on the controller with the IT8 file received with the scanner calibration sheet.

How to update the IT8 file

1. Log on to the system administrator mode in the Océ Settings Editor.
2. From the 'Calibration' menu, select 'Scanner'.
   The 'Scanner calibration' window appears.
3. Click the 'Browse' button and browse to the location of the IT8 file.
4. Select the IT8 file and click the 'Upload' button.
   The system uploads the IT8 file. When the IT8 file is correctly uploaded, the system gives a confirmation.

Chapter 9
Manage jobs on the Océ TCS400

Introduction to how to manage your jobs

This chapter describes the actions you can perform to manage your jobs. You can perform the following actions on the Océ TCS400.

- Delete or stop a job
- Feed originals on the scanner
- Set the 'Original release mode'
- Cut the output
- Clean cut a roll of media
- Change the media type
- Change the default drying time
- Use the fallback mode to adapt the print speed to compensate for failing printheads
- Use the 'Overnight printing' feature to print for a long period without operator attendance, for example outside office hours.

Delete or stop jobs

Delete or stop an active job on the printer

Introduction

This section describes how to delete or stop an active job on the printer. You can delete and stop print jobs from the printer operator panel and from the Océ Queue Manager.

How to delete or stop an active print job from the printer operator panel

1 Press the 'Stop' key on the printer operator panel.
The printer stops immediately.
A dialog box on the screen asks the user to resume or delete the job.
If you do not select an option, the printer automatically continues the printing after 5 minutes.

2 Use the lower softkeys to indicate whether you want to resume or delete the job.

Note: *When you delete a job, the drying is not skipped. Press the key for 'Skip drying' to cancel the drying during the drying time. When the setting* ***KO - Printer - Automatic media cut*** *in the Océ Settings Editor is set to 'On', the printer then cuts the media. If the setting is disabled, use the 'Feed & cut' wizard to cut the output.*

How to cancel jobs from the Océ Queue Manager

Attention: *You can never undo this action.*

1. Select the jobs in the print queue, the history queue, or the inbox queue.
2. From the 'Job' menu, select 'Delete', or click the 'Delete' button on the toolbar.
   A cross icon indicates the deleted job.
   The system does not print the canceled job.
   You can select more than one job with the mouse and the shift or control key.
   Note: *An anonymous user cannot cancel a job from a remote system.*

How to cancel active print jobs from the Océ Queue Manager

Attention: *You can never undo this action.*

1. Select the active job in the print queue.
2. From the 'Job' menu, select 'Delete', or click the 'Delete' button on the toolbar.
   The printer stops the printing immediately.
   If the controller was still processing part of the job, the controller flushes the job.
   Note: *An anonymous user cannot cancel a job from a remote system.*

How to place jobs on hold in the Océ Queue Manager

1. Select the jobs in the print queue.
2. From the 'Job' menu, select 'Hold', or click the 'Hold' button on the toolbar.
   A job that is placed on hold keeps its position in the print queue. The job will not print until the job is resumed. While a job is on hold, other jobs are printed. The jobs that were in the queue behind the job on hold are also printed.
   You can select more than one job with the mouse and the shift or control key.
   Note: *The active print job cannot be placed on hold in the Océ Queue Manager.*

How to restart jobs in the Océ Queue Manager

1. Click the job that was placed on hold.
2. From the 'Job' menu, select 'Resume', or click the 'Resume' button on the toolbar.
   The job restarts.
   You can select more than one job with the mouse and the shift or control key.

Delete or stop a job on the scanner

Introduction

This section describes how to delete or stop a job on the scanner. The location where you delete or stop a job from depends on the type of job and on where the job is in the system.

You can delete or stop a copy from the following locations in the system.

- When you scan an original, delete or stop a copy job from the scanner operator panel. The scanner stops.
- When a copy job is in a queue on the Océ Queue Manager application, delete or stop the copy job in the Océ Queue Manager. Delete or stop the copy jobs in the Océ Queue Manager with the same method you use to delete or stop the print jobs. (see '*Delete or stop an active job on the printer*' on page *153*). The copy jobs have a special indication on the Océ Queue Manager.
- When the printer prints a copy job, delete or stop the copy job from the printer operator panel. Delete or stop the copy jobs from the printer operator panel with the same method you use to delete or stop the print jobs. (see '*Delete or stop an active job on the printer*' on page *153*)

You can only stop a scan-to-file on the scanner.

How to delete or stop an active job from the scanner operator panel

1. Press the red ' Stop' key.
   The original transport on the scanner stops immediately.
   When the printer processes a copy job, the printer stops.
2. A dialog box on the screen asks the user to remove the original.
3. Use the softkeys for 'Forward' or 'Rewind' to remove the original from the scan area.
   When you have removed the original, the system is ready to start the next job.

Handle the originals on the scanner

Feed the original

Introduction

Use the following methods to feed the original:

Before you begin

Set the 'Auto feed' setting on the 'System' screen.

The 'Auto feed' setting determines the method to feed the original.

- 'Auto feed' is enabled.
  When the original is inserted, the original is fed through the scanner. Before you feed the original, make sure you first define the correct job settings.
- 'Auto feed' is not enabled.
  When the original is inserted, the original is fed into the scanner. After you define the correct settings, press the green 'Start' key to feed the original through the scanner.

How to feed the original

1. When 'Auto feed' is enabled, first define the job settings.
2. Feed the original face down.
3. Align the original on the measurement ruler.
   The original feed table has a measurement ruler. The measurement ruler has two sides. The metric measurements are found on one side, the imperial measurements are on the other side.
   The regular standard sizes for the original feeding are marked below the ruler.
4. If 'Auto feed' is not enabled, define the job settings and then press the green start key.
   After you insert the original, you can measure the original size with the ruler printed on the pressure platen.
5. The original is fed into the scanner. The printer starts.
6. Collect the output from the printer.

Original release mode

Introduction

Use the 'Original release mode' on the 'System' screen to define where originals are held after the scan is complete.

Before you begin

Use the **KO - Scanner - Settings - Original release mode** setting in the Océ Settings Editor to define the default values.

Define where originals are held after they are scanned

The 'Original release mode' has the following settings:

- 'Hold'
  The scanner holds the original at the rear after the scan is complete.
- 'Release'
  The scanner releases the original at the rear after the scan is complete.
- 'Rewind'
  The scanner rewinds and holds the original at the front side after the scan is complete.

Thick originals

Introduction

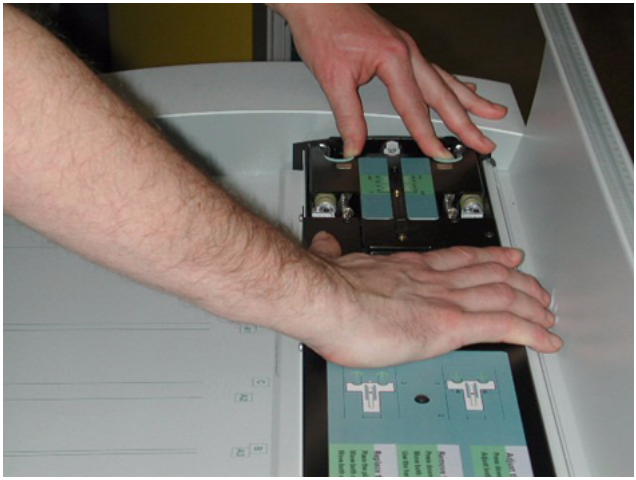
You can adjust the pressure platen on your scanner to the thickness of your original.

Position	Thickness
0 (default position)	2 mm (0.08")
1	4 mm (0.16")
2	6 mm (0.24")
3	8 mm (0.31")
4	10 mm (0.39")
5	12 mm (0.47")
6	14 mm (0.55")
7	16 mm (0.63")

[30] The adjustment steps

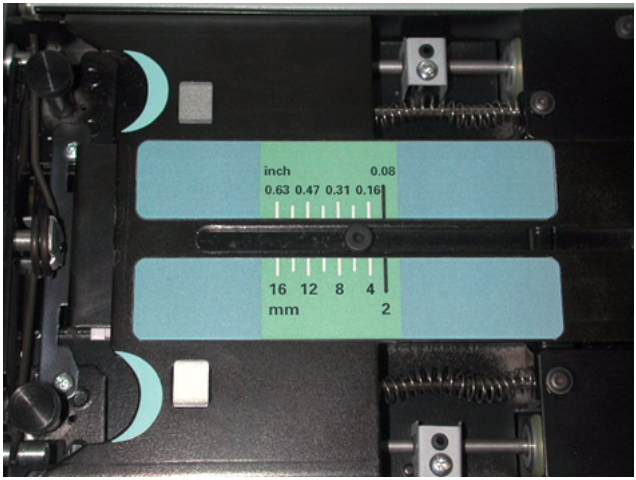
How to adjust the pressure platen to the thickness of your original

1. Open the scanner cover to expose the pressure platen.
2. Use one hand to press down on the platen.
3. Put two fingers in the recesses in the front of the slider. Adjust the slider to the thickness of the original.



[45] Put two fingers in the recesses in the front of the slider

Use the measurement scale on top of the slider to adjust the slider to the thickness of the original.



[46] The measurement scale on top of the slider

4 Repeat the procedure for the other slider.
Make sure both the sliders are adjusted to same thickness.
5 Close the scanner cover.

Note: *If the pressure platen is not in the default position for longer than a defined time, the error message 'Unable to adjust the scanner lower the pressure platen' can appear. If this error message appears, return the pressure platen to the default position. Wait until the scanner adjustment is complete, then adjust the pressure platen again. (see ‘An adjustment error’ on page 214)*

Result

If a thick original is inserted, the original is fed through the scanner 2 inches more than a thin original. The additional inches are not shown on the output.

Handle the media on the printer

Cut the output and clean cut a roll of media

Introduction

The off-line screen of the printer operator panel contains the 'Feed & cut' wizard that helps you perform the following:

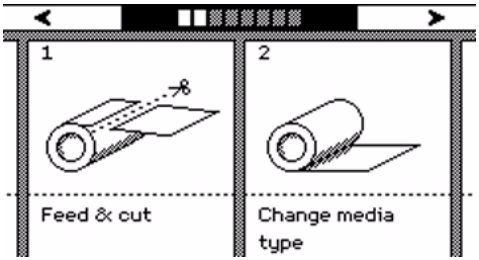
- Cut the output.
- Clean cut a roll of media. Use this option to cut the roll so that the edge is straight.

You can only use the 'Feed & cut' wizard to cut the output when 'Automatic cut' is disabled in the Océ Settings Editor.

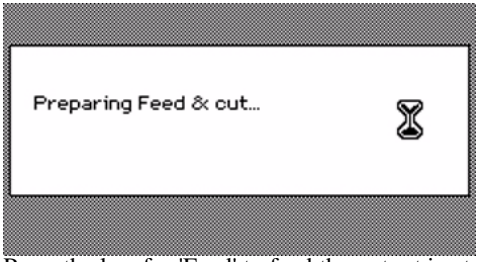
Note: *If 'Automatic cut' is enabled in the Océ Settings Editor, the system automatically cuts the output.*

How to use the Feed & cut wizard to cut the output.

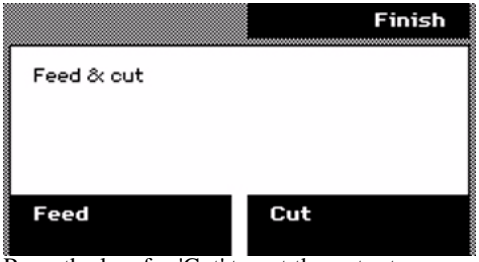
1. Press the on-line / off-line key to set the printer off-line.
2. Use the upper softkeys to scroll to the 'Feed & cut' card.



3 Press the softkey below the 'Feed & cut' card to enter the wizard.
The screen displays the message 'Preparing Feed & cut...'. The system prepares for the feed and cut. This can take between 0 and 20 seconds.



4 Press the key for 'Feed' to feed the output in steps of 2 inches.

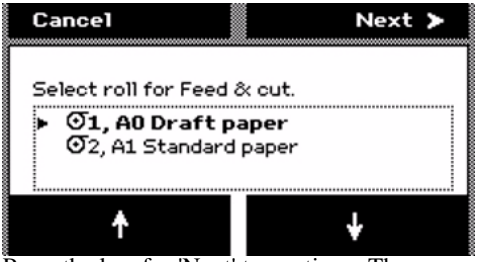


5 Press the key for 'Cut' to cut the output.
If you do not need to cut the output, press the key for 'Finish' to return to the on-line screen.
After you select 'Cut', the system returns to the on-line menu.

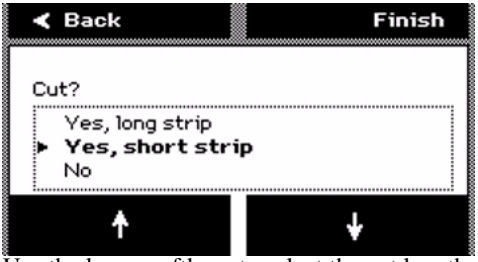
How to use the Feed & cut wizard to clean cut a roll of media

1 Press the on-line / off-line key to set the printer off-line.
2 Use the upper softkeys to scroll to the 'Feed & cut' card.
3 Press the softkey below the 'Feed & cut' card to enter the wizard.
- If multiple rolls are available on the system, the screen displays the message 'Select roll for Feed & cut.'
- If one roll is available on the system, the wizard moves directly to the 'Cut?' screen.

4 The screen displays the message 'Select roll for Feed & cut.' Use the lower softkeys to select a media roll to clean cut.



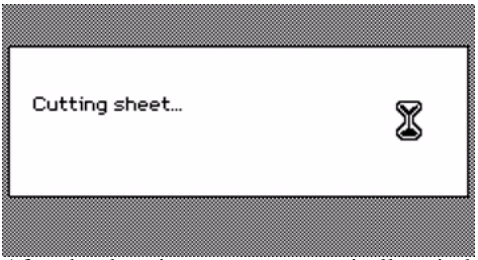
5 Press the key for 'Next' to continue. The screen displays the message 'Cut?'



6 Use the lower softkeys to select the cut length option. Select one of the following:

- 'Yes, long strip'
  Feeds the media with a full roll rotation feed (20 inches) before the printer cuts the media.
- 'Yes, short strip'
  The printer automatically cuts the media with the least possible media waste (8 inches).

7 Press the key for 'Finish' to confirm the settings. The screen displays the message 'Cutting sheet...'.



After the sheet is cut, you automatically exit the wizard.

Change the type of media defined on the printer

Introduction

The standard configuration of the Océ TCS400 contains two rolls of media. The Océ TCS400 is also available with one roll. Appendix A contains a list of the supported media types and media sizes.

This section describes the following:

- How to remove and load a roll of media.
- How to change the type of media defined on the system.

When to do

Change a roll when a job needs a media type or size that is not on one of the rolls.
Change the media type that is defined on the system if the defined media type and the available media type do not correspond.

Before you begin

Use the **KO - System - Media - Paper series** setting to define the correct paper series in the Océ Settings Editor.

How to remove a roll of media

1 Press the retract button on the right-hand side of the roll.

[47] Press the retract button

The medium automatically retracts from the printer.

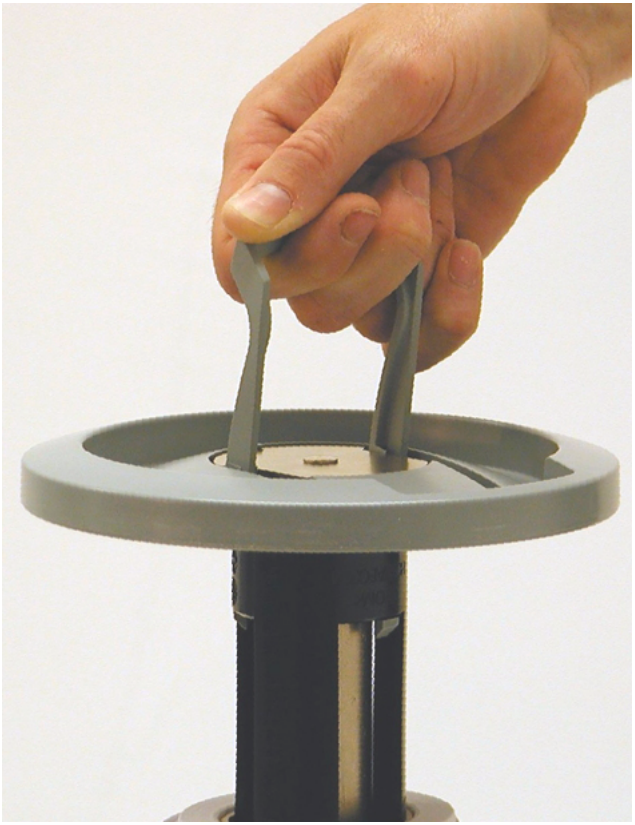
2 Use both hands to remove the roll.

[48] Remove the roll

3 Both far ends of the roll contain flanges with handles. Lift the handles to release the flanges.

[49] Release the flanges

4 Remove the flanges.



[50] Remove the flanges

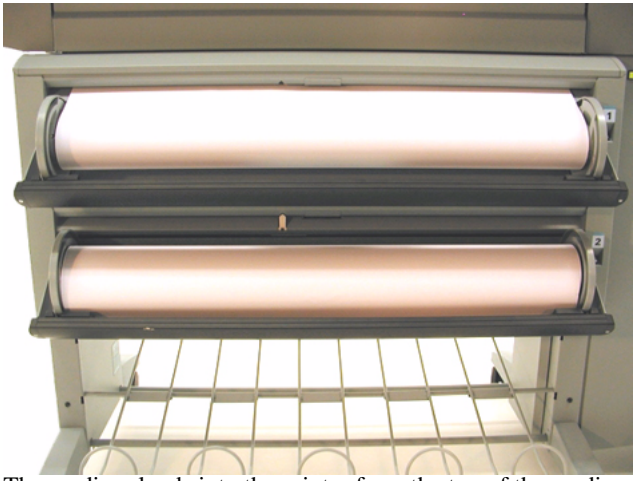
How to load a new media roll

1. Insert the flanges in both ends of the new media roll.
2. Press the handles down to fasten the flanges.
3. Put the saddles into position at the ends of the track.

[51] Saddles

4 Use both hands to place both flanges in the dark blue saddles on the printer.

5 Use both hands to slide the medium under the paper guide. Place the media on the printer as shown in the figure below.



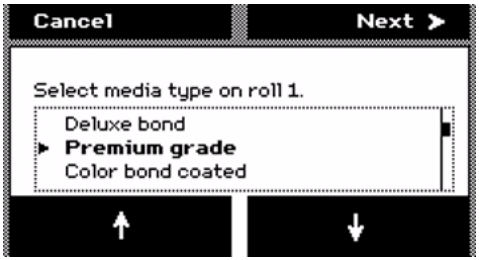
The medium loads into the printer from the top of the media roll.
Make sure the medium makes contact with the paper guide.

6 The printer automatically draws the medium in the correct position.
When the printer loads the roll of media, the screen of the printer operator panel shows the feedback.

Note: *The printer automatically detects the width of the media.*

Attention: *After you load a new roll of media, the screen of the printer operator panel displays a wizard. Use the wizard to define the media type and the cut option for the new media roll.*

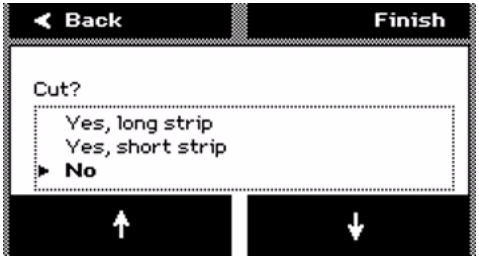
1 The screen displays the message 'Select media type on roll (number)'. Use the lower softkeys to select the media type.



[52] Select the media type

2 Press the key for 'Next' to enter the cut option screen. The system displays the question 'Cut?'

3 Use the lower softkeys to select the cut option for the media.



[53] Select the cut option

Select one of the following:

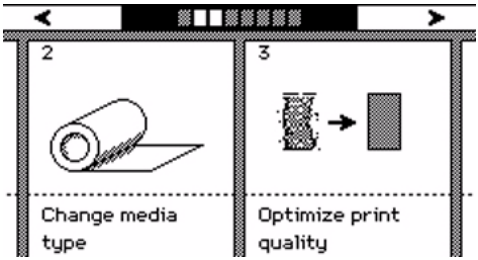
- 'Yes, long strip'
  Cut the media with a full roll rotation feed (20 inches) before the printer cuts the media. You can use this option if the media is damaged or polluted with, for example, tape residue.
- 'Yes, short strip'
  Cut the media with the shortest possible strip (8 inches).
- 'No'
  No media cut.

4 Press the key for 'Finish' to confirm the settings and to exit the wizard.

Attention: *You only need to correct the type of media if an incorrect media type was defined when the roll was loaded.*

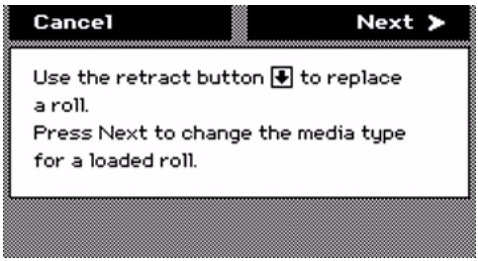
If you define a type of media that is different from the media type loaded on the system, the print quality decreases and pollution of the system can occur.

1 Press the on-line / off-line key to set the printer off-line.
2 Use the upper softkeys to scroll to the 'Change media type' card.



[54] Change media type card on the off-line screen

3 Press the softkey below the 'Change media type' card to enter the wizard.
4 An introduction screen displays the message 'Use the retract button to replace a roll. Press Next to change the media type for a loaded roll.'

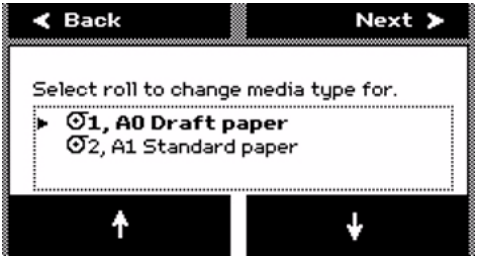


[55] Introduction screen

If you do not want to load a new roll, use the upper right softkey to continue the wizard at the introduction screen. If you do want to load a new roll, press the retract button to change the media roll. (see figure *47*)

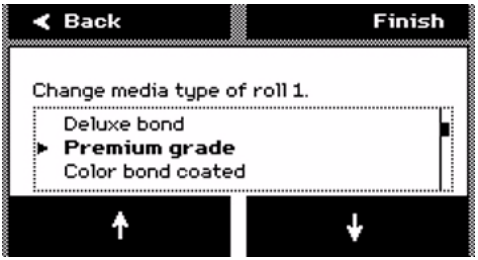
5 When you press the retract button, the screen displays the message 'Load new media'. Change the media roll as described in the above sections.

6 If you do not press the retract button and continue in the 'Change media type' wizard, the screen displays the message 'Select roll to change media type for'. Use the lower softkeys to select the correct roll to change the media type for.



[56] Select a roll to change the media type.

7 Press the key for 'Next' to continue. The screen displays the message 'Change media type of roll [number]'. Use the lower softkeys to select the correct media type for the media roll.



[57] Select the correct media type for the roll

8 Press the key for 'Finish' to confirm the settings and to exit the wizard.

Define the correct media for your jobs

To achieve optimal output quality.

1. Make sure you load and define the correct media type on the printer.
   Use the 'Change media type' wizard to load a media roll and to change the media type defined on the system.
2. Make sure you define the correct media type for your job. Make sure the media type and the media format defined in your job is available on the printer.

Define the correct media on the printer and the correct settings in the job submission tools to set the Océ TCS400 for productive use or high output quality.

When productivity with different media sizes is the most important requirement

1. Load and define two media rolls on the printer with different media sizes and the same media types.
2. Use the 'Landscape' orientation to print a job on a media size that is one size smaller than the media defined on the system. For example, 23x33 prints in landscape on 33x47 and 17x23 prints in landscape on 23x33. You are not required to cut the media by hand.
3. Use the 'Auto rotate' setting in the Océ Settings Editor or the job submission tools to rotate the orientation automatically.

The above procedure is based on DIN media sizes. You can also use this procedure with ANSI media sizes.

If productivity is the only important requirement

1. Load and define two media rolls on the printer with the same media sizes and the same media types.
2. Enable the 'Automatic roll switch' in the Océ Settings Editor or the job submission tools.
   If roll one is empty, the printer switches automatically to roll two.

If the output quality is the most important requirement

1. Load and define two media rolls on the printer with the same media sizes and with different media types.
   Select the media types you define based on the output quality you require.

Drying times

Typical drying times

Introduction

The printer automatically adapts the default drying time. The default drying time depends on the following:

- The media type
- The ambient humidity
- The print mode.
  Of you print grayscale in the 'Check' quality mode, the system decreases the drying time to 20% of the default value.

You can change the drying time for all the media types. You can select a percentage of 0% - 999% of the default drying time (see '*Change the default drying time*' on page *177*).

Typical drying times per media type

The following table describes typical drying times for Océ media under standard conditions (22 °C, 50% relative humidity):

Media type	Media name	Drying time
Draft paper	Océ Draft Paper 20 lb. bond	2'15"
Standard paper	Océ Standard Paper 24 lb. bond	1'15"
Bond	Océ Check Bond uncoated 20 lbs	1'15"
Deluxe bond	Océ Deluxe Bond uncoated 24 lbs	0'20"
Premium coated paper	Océ Premium Grade Paper 24 lb. bond	0'20"
Coated bond	Océ Color Bond coated 24 lbs	0'20"
Matte photo paper	Océ Smart Matte Paper 100 45 lb. bond	3'00"
High gloss photo paper	Océ Smartfit Plus Photogloss 47 lb. bond	6'40"
Tracing paper	Océ Tracing Paper 24 lb. bond	8'00"
Translucent bond	Océ Translucent Bond 16 lb. bond Océ Translucent Bond 18 lb. bond	1'45"
Monochrome vellum	Océ Monochrome Vellum 16 lb. bond Océ Monochrome Vellum 20 lb. bond	8'40"
Color vellum	Océ Color Vellum 20 lb. bond	9'20"
Matte film	Océ Double Matte Film 95 µ Océ Film Double Matte Erasable 3 mil Océ Film Double Matte Erasable 4 mil	12'40"

[31] Typical drying times per media type

Note: *For maximum productivity, the system does not perform drying times of 0'20" or less. If you change the default drying time, the system uses the drying times of 0'20" or less for the arithmetic operation.*

Change the default drying time

Introduction

You can change the drying time with a percentage of the default drying time. For example, if you set the default drying time for Premium coated paper, under the conditions used in the table above, to 200%, the drying time will be 0'40".

How to change the default drying time

1. Open the Océ Settings Editor application.
2. Go to the setting **KO - Printer - Media settings - Drying time**.
3. Select the required media type.
4. Define the required percentage.

Continuous printing

Fallback mode

Introduction

If printheads are failing, the Océ TCS400 can continue to print with the same output quality. To use this option, the setting **KO - Printer - Fallback mode** in the Océ Settings Editor must be enabled.

Use of the fallback mode

If the fallback mode is enabled, and printheads fail, the printer continues to print with the same quality at half the speed.
If the printer is in the grayscale mode and a color printhead fails, the printer continues to print grayscales at full speed. If a black printhead fails, the printer continues to print at half the speed.
If the fallback mode is not enabled and you continue to print, the output quality decreases. The print speed does not decrease. (see '*When to do*' on page *186*)

Overnight printing

Introduction

The Océ TCS400 has the ability to print unattended, for example outside office hours. To use this option, the setting **KO - Printer - Calibration - Overnight printing** in the Océ Settings Editor must be enabled.
When the setting 'Overnight printing' is enabled, the system will automatically perform checks, alignments and calibrations to ensure a consistent output quality.

Substantial changes of the temperature or the humidity can have an adverse influence on the print quality. Use the setting **KO - Printer - Climate dependent alignment** to define if the system must automatically do an alignment when a large change in climate occurs.

Use of overnight printing

The setting 'Overnight printing' has the following options:

- 'Check'
  The system checks for failing printhead nozzles.
- 'Check and optimize'
  The system checks for failing printhead nozzles and corrects the alignment. Use the **KO - Printer - Calibration - Overnight printing check interval** setting to define the number of prints after which the system automatically does a check or calibration.
- 'Off'
  The system will not do a calibration or check.

Calibration is only possible when one of the following media types are loaded on the system.

- Standard paper
- Premium coated paper
- Bond
- Coated bond
- Matte photo paper
- High gloss photo paper
- Deluxe bond.

If these media types are not available on the system, calibration is delayed until the next time a print is made on one of these media types.

Note: *If the system detects a failing printhead and the fallback mode is enabled, the system automatically switches to the fallback mode (see 'Fallback mode' on page 178).*

Chapter 10
Maintenance

Introduction to maintenance

This chapter describes the maintenance activities for the operator.

The operator can perform the following maintenance activities.

- Replace the ink tanks
- Replace failing printheads
- Replace the maintenance cassette
- Clean the scan area.

Maintenance activities for the printer

Replace the ink tanks

Introduction

The Océ TCS400 contains the following four ink tanks:

- One tank for the cyan ink. Capacity 400 ml.
- One tank for the magenta ink. Capacity 400 ml.
- One tank for the yellow ink. Capacity 400 ml.
- One tank for the black ink. Capacity 400 ml.

The ink level card on the printer operator panel indicates the ink level of each color as a percentage.

You can replace the ink tanks at any time. A wizard is not required.

When to do

You must replace an ink tank in the following situations:

- The ink level indicator on the printer operator panel displays 0%. The indicator flashes when the ink tank is empty. If you replace the ink tank, the printer can continue to print on the ink present in the system.
- A pop-up message appears on the screen and displays the message 'Out of [color] ink. Replace ink tank'. The system produces a double audio signal. The red LEDs of the printer operator panel remain illuminated. The printer stops. Immediate action is required.

How to remove an ink tank

1 Press the dimpled recess in the ink tank inward and upward to release the ink tank.

[58] Push the tank inward and upward

2 Pull the ink tank straight out of the slot.

[59] Pull the tank out

The indication for the removed tank on the printer operator panel changes into a dashed line.

Attention: *Make sure that you replace an ink tank with a tank that contains ink of the same color.*

1. Hold the ink tank with the color of the label towards you.
   The ink tanks are arranged in the same sequence as shown on the printer operator panel. From left to right, the sequence of the ink tanks is cyan, magenta, yellow, black (CMYK). A label on the ink tank indicates the color of the ink in the ink tank.
   Note: *Do not shake the ink tank or touch the opening of the ink tank.*
2. Slide the ink tank into the slot until you feel a resistance and stop.
   Note: *The ink tank fits in only one way. The ink tank fits only into the slot dedicated for the color. If you attempt to place the ink tank the wrong way or in the wrong slot, the ink tank will not fit. Do not attempt to force it.*
3. Press the dimpled recess in the ink tank inward and downward until the ink tank clicks into place.
   When the printer detects the full ink tank, the ink level indicator on the printer operator panel displays 100%.

Replace a defective printhead

Introduction

The Océ TCS400 contains the following ten printheads:

- Two printheads for cyan (C)
- Two printheads for magenta (M)
- Two printheads for yellow (Y)
- Four printheads for black (K).

Always follow the instructions in the wizard on the printer operator panel when replacing a defective printhead.
After you replace a defective printhead, the system performs an alignment. The alignment requires the use of media. Make sure at least one roll of media is loaded before you enter the 'Replace printhead' wizard.

Only replace printheads if they are defective. Changing printheads that are not defective will shorten the printhead lifetime and cause problems with the ink system.

Note: *Only replace a defective printhead from the 'Replace printhead' wizard.*

When to do

The system indicates which printheads are defective. Only replace the printheads the system indicates.

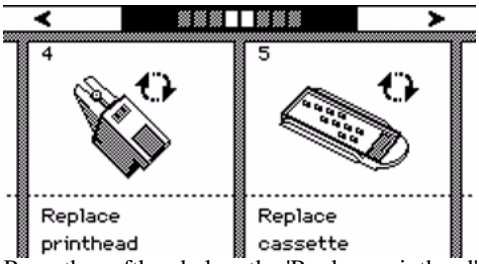
The system uses the following methods to indicate defective printheads:

- An error message prompts you to replace the defective printheads.
- The printhead information card on the on-line screen indicates the printheads with defective nozzles with an icon that shows a printhead with the nozzles.

When the printhead nozzles are defective, you can continue to print. If the fallback mode is enabled the output quality will not decrease. The print speed will decrease.(see '*Replace a defective printhead*' on page *186*).
If the fallback mode is not enabled, the output quality will decrease. The print speed will not decrease.

Attention: *Do not open the top cover when you are not in the wizard. When you open the top cover outside the wizard, the system produces a long, uninterrupted audio signal audio signal. The red LEDs on the printer operator panel remain illuminated. If you open the top cover during printing, the printer stops. After you close the cover, the print is cut. Then the whole print job is restarted.*

1. Press the on-line / off-line key on the printer operator panel to take the printer off-line.
2. Use the upper softkeys to scroll to the 'Replace printhead' card.

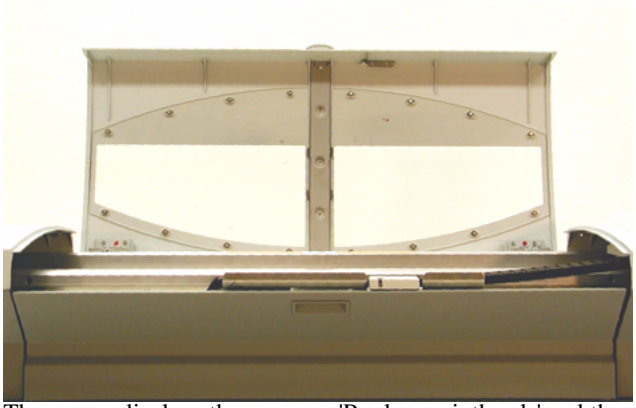


3. Press the softkey below the 'Replace printhead' card to enter the wizard.
   An introduction screen displays the message 'Use this wizard to replace printheads. A roll is needed for calibration.'
4. Press the key for 'Next'.
   The screen displays the message 'Select roll to use'.
   The system performs a calibration at the end of the wizard. You can only calibrate on six defined media types (see '*Overnight printing*' on page *179*). If calibration is not possible with the media available on the printer, the system

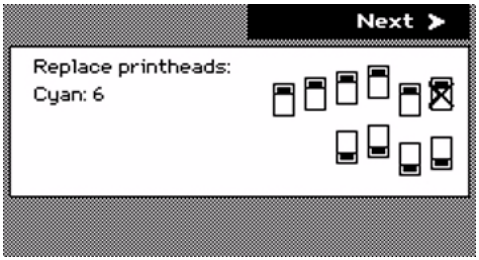
asks you to load the correct media. If calibration is possible with one of the rolls, the system automatically uses the correct media roll. If calibration is possible with both rolls, use the lower softkeys to select the roll to use.

5 Press the key for 'Next'.
The screen displays the message 'Carriage moving to center position...' while the carriage moves to the center.
The screen displays 'Open top cover.'

6 Open the top cover.



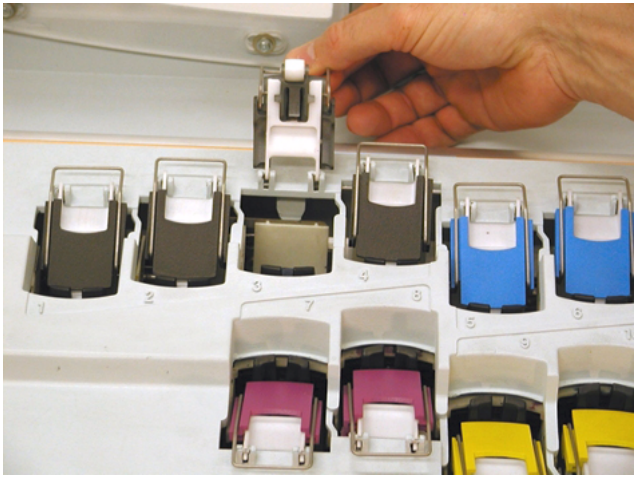
The screen displays the message 'Replace printheads' and the printheads that you must replace.



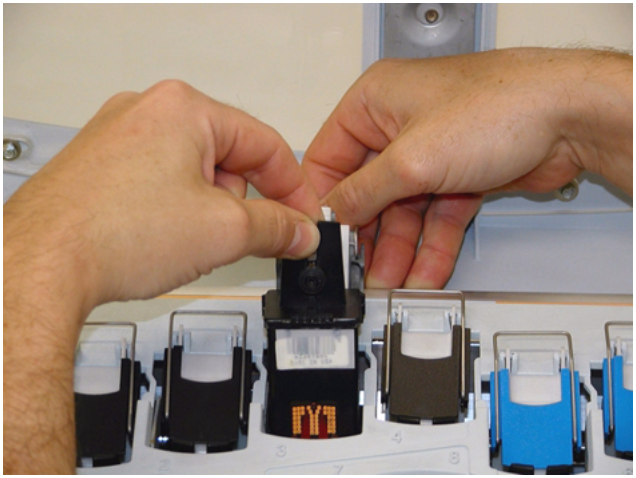
7 After replacing the defective printheads, press the key for 'Next'. Find the correct printhead number on the printhead carriage.

8 Pull the metal clamp of the printhead cover up. The cover moves up.

Hold the clamp with one hand because the clamp is connected to a spring mechanism.

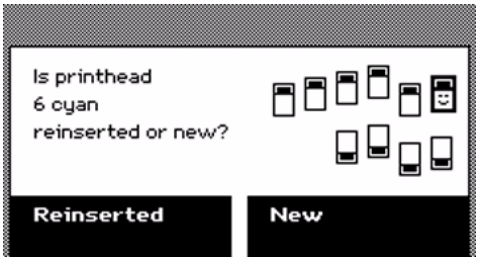


9 Use your other hand to remove the printhead. Move the printhead away from the center of the carriage and remove the printhead.



How to place a printhead

1 Remove the protective tape from the new printhead.
Note: *Do not touch the contact and nozzle areas of the printhead after you remove the protective tape.*
2 Hold the clamp with one hand and use your other hand to place the new printhead in the printhead holder.
The printhead only fits in one way.
3 Move the printhead towards the center until the printhead clicks into the connection slot.
4 Carefully release the clamp.
On the operator panel, press the softkey for 'Next'.
5 The screen displays the message 'Is printhead [number and color] reinserted or new?'



6 Press the softkey for 'Reinserted' or 'New'.
Select 'Reinserted' if you refit the printhead that you just removed.
Select 'New' if you replaced the original printhead.
The screen displays this message for every printhead you replaced.
Note: *To achieve optimal print quality, the system must know if the inserted printhead is warm or cold. A reinserted printhead will be warm while a new printhead will be cold. Always store your printheads at room temperature.*

7 The screen displays the message 'Make sure that all head covers are properly positioned.'
Press the key for 'Done'.
The screen displays the message 'Close top cover.'

8 Close the top cover.
The screen displays the message 'Carriage moving to home position...'

9 Press the softkey for 'Next' to start the calibration and the alignment of the printheads. The screen displays 'Calibrating...'.
The calibration process takes several minutes.
You can stop the calibration process at any time. Press the key for 'Cancel' to stop the calibration process.
When the calibration is completed, the screen displays the calibration status.

Replace the maintenance cassette

Introduction

The maintenance cassette wipes the printheads and caps the printhead nozzles.

When to do

Replace the maintenance cassette in the following situations:

- The printer operator panel displays the message 'Maintenance cassette nearly full.'
  The print quality can deteriorate. Replace the cassette as soon as possible.
- The printer operator panel displays the message 'Maintenance cassette full. Press Continue to start the Replace cassette wizard.'
  The Océ System Control Panel also indicates that you must replace the cassette.

The message 'Maintenance cassette full. Press Continue to start the Replace cassette wizard' appears.

When the maintenance cassette is full, the system produces a double audio signal. The red LEDs of the printer operator panel remain illuminated. Immediate action is required.
The printer operator panel displays this message after about 5000 m^2 of output. The exact value depends on the print modes you use.

The message gives access to a wizard that contains the procedure to replace the maintenance cassette.

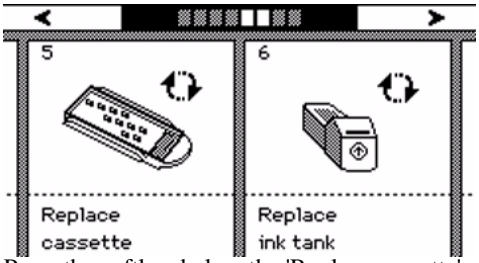
When the maintenance cassette is not in position when the system starts up, the system produces an error signal The red LEDs of the printer operator panel remain illuminated. The printer operator panel displays the message 'Maintenance cassette not present.' The message gives access to a wizard that contains the procedure to replace the maintenance cassette.

You can always access the wizard in the off-line mode.

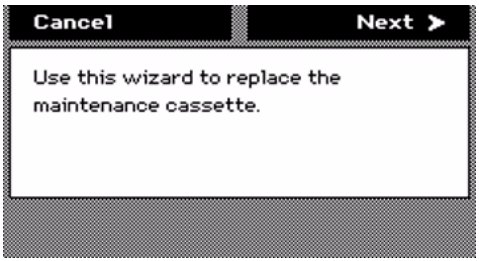
Attention: *Do not remove the maintenance cassette if you are not in the wizard. You can seriously damage the printheads. If you open the maintenance door outside the wizard, an error message prompts you to close the door.*

1 Press the on-line / off-line key on the printer operator panel to take the printer off-line.
If you replace the cassette as the result of the message ' Maintenance cassette full. Press Continue to enter the Replace cassette wizard.', press the softkey for 'Continue' to enter the 'Replace cassette.' wizard. Then continue with step 4.

2 Use the upper softkeys to scroll to the 'Replace cassette' card.



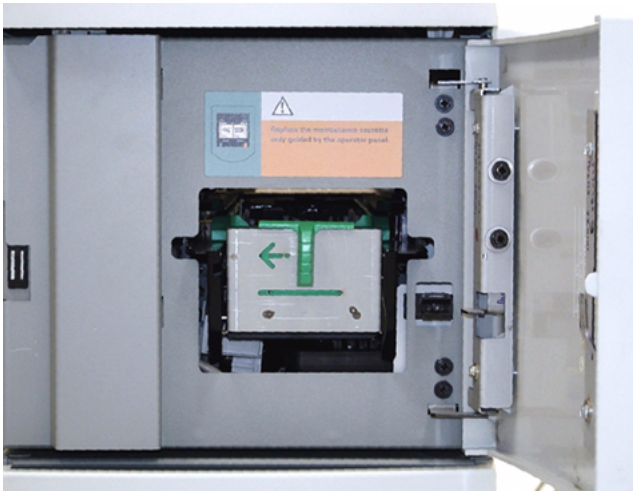
3 Press the softkey below the 'Replace cassette' card to enter the wizard.
An introduction screen displays the message 'Use this wizard to replace the maintenance cassette.'



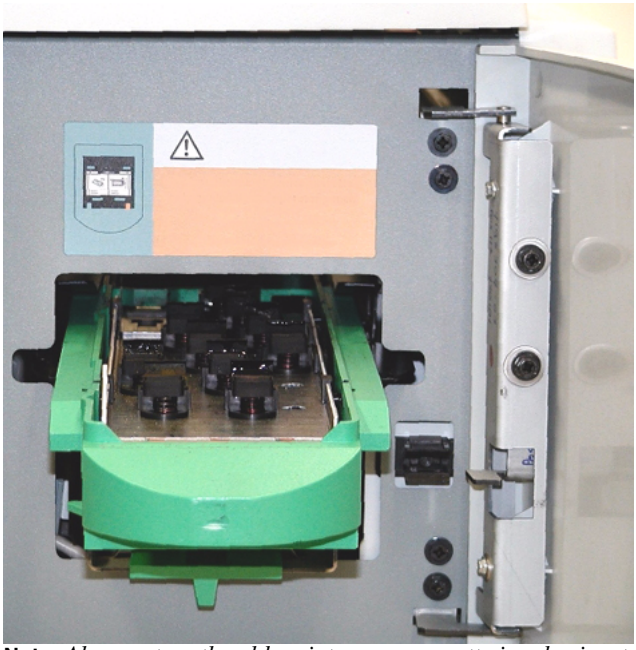
4 Use the upper right softkey to enter the wizard at the introduction screen.
The screen displays the message 'Carriage moving to center position...' while the carriage moves to the center.
Then, the screen displays the message 'Open maintenance door.'

5 Open the door to the maintenance cassette.
The screen displays the message 'Remove cassette.'

6 Press the green grip to the left to release the cover that gives access to the maintenance cassette.



7 Pull out the maintenance cassette.



Note: *Always store the old maintenance cassette in a horizontal position to prevent the spilling of ink. Be careful with the ink on the maintenance cassette.*

How to place the maintenance cassette

1 Slide the new maintenance cassette into the cassette holder.
2 Close the cover of the maintenance cassette . The cover locks automatically. The screen displays the message 'Is the cassette you placed used or new?'

3 Press the key for 'Used' or 'New'.
Select 'Used' if you inserted a cassette that was used before. The end-of-life counter is not reset to zero.
Select 'New' if you inserted a cassette that was not used before. The end-of-life counter is reset to zero.
Note: *Make sure you select the correct option. Never select 'New' for a used cassette. This can cause serious damage your printer.*

4 Close the door to the maintenance cassette.
The screen displays the message 'Carriage moving to home position...'

Maintenance activities for the scanner

Clean the scan area

Introduction

This section describes how to clean the glass plate and the white platen of your Océ TCS400 scanner. You can find the required tools in the maintenance kit supplied with the scanner.

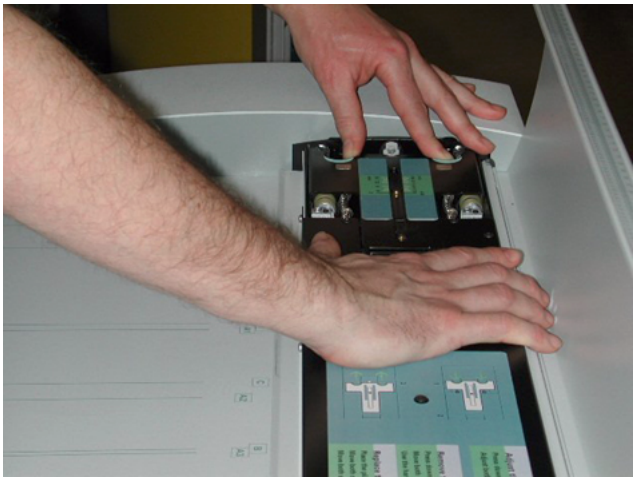
Required tools

Two lint-free cloths.

Streak-free, glass cleaner.

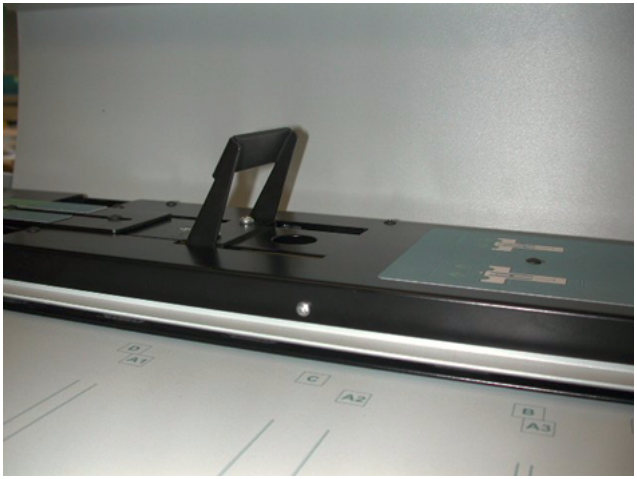
Attention: *Do not use abrasives, acetone, benzene or fluids that contain these chemicals: Do not spray liquids directly on the scanner.*

1. Turn off the scanner and disconnect the power plug.
2. Open the scanner cover to expose the pressure platen.
3. Remove the pressure platen.
   Use one hand to press down on the platen.
   Put two fingers in the openings on the front of the slider. Move the slider toward the center until the pressure platen disengages.



[60] Use one hand to press down on the platen. Put two fingers in the openings on the front of the slider. Move the slider toward the center until the pressure platen disengages

Repeat the procedure for the other slider.
Use the two handles on top of the pressure platen to remove the pressure platen.

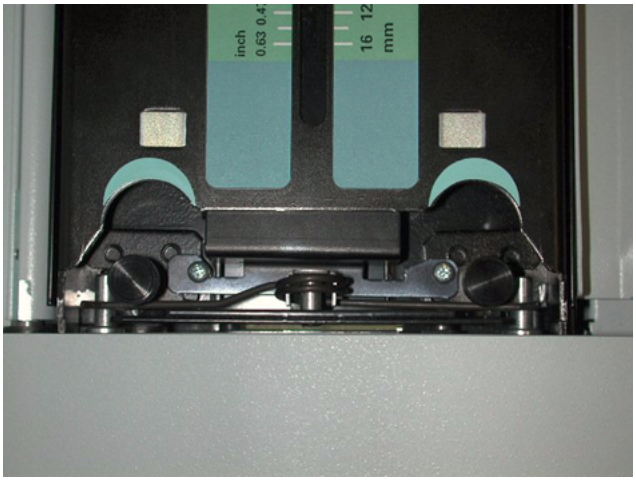


[61] One of the two handles on top of the pressure platen

4 Clean the glass plate.
Clean the glass plate with a lint-free cloth and a mild, streak-free, glass cleaner. Use a separate clean, dry lint-free cloth to dry the glass plate completely.

5 Clean the white platen.
The white background platen is on the back of the pressure platen you removed in step 3. Clean the white surface and the transport rollers with a lint-free cloth and a mild, streak-free, glass cleaner. First clean the platen's white area and then the transport rollers. Use a separate clean, dry lint-free cloth to thoroughly dry the platen and the rollers.

6 Replace the pressure platen.
Use the two handles on top of the pressure platen to replace the pressure platen upright on the glass plate.
Make sure the springs are fit over the pins.



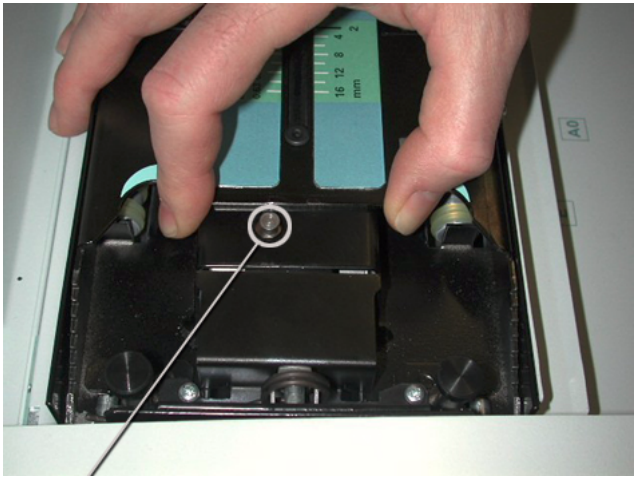
[62] Make sure the springs are fit over the pins

Replace the handles.

7 Return the sliders to their default position.

Move the slider to the center of the pressure platen passed the safety button.

Hold the slider in its position.



[63] The location of the safety button

Press the safety button and release the slider.

Use one hand to press down on the platen.

Make sure that the slider is returned to the default position.

Repeat the procedure for the other slider.

Chapter 11
Error handling

Introduction to error handling

This chapter describes what to do if an error occurs on the Océ TCS400.

The following types of errors can occur on the Océ TCS400 printer:

- A media jam
- A system error
- A permanent error
- The end of the roll of media is reached while you print
- A door or cover is open, although you are not in a wizard
- The carriage is away from its home position too long
- The media required for the job is not available on the printer
- The Océ Queue Manager contains damaged jobs that you cannot delete

The following types errors can occur on the Océ TCS400 scanner:

- An original jam
- A system error
- A permanent error
- A smartcard error (see '*Correct smartcard errors*' on page *216*)
- An adjustment error (see '*How to adjust the pressure platen to the thickness of your original*' on page *159*)
- A calibration error (see '*Calibrate the scanner*' on page *146*).

Clear the errors on the printer

Remove jammed media

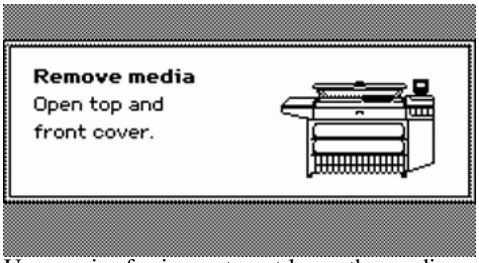
Introduction

If a media jam occurs, the system produces a double audio signal. The red LEDs of the printer operator panel remain illuminated. If a jammed media error occurs on the system, immediately remove the jammed media to prevent damage to the printer.
The system handles the error recovery for the jammed media through a series of dialog boxes. Use the following procedure to remove the jammed media:

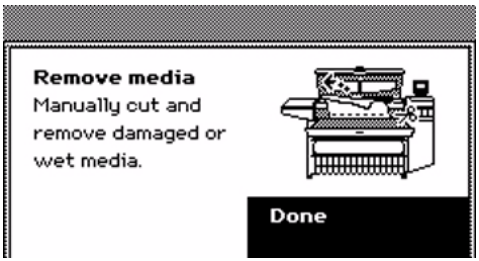
How to remove jammed media

Attention: *Never use a knife to cut loose the jammed media. If you use a knife to cut loose the media, you can damage the printer.*

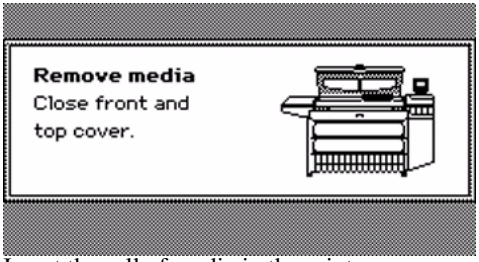
1 Open the cover or door that the printer operator panel indicates.



2 Use a pair of scissors to cut loose the media.
3 Remove the jammed media from the output side of the printer.



4 Press the softkey for 'Done' to confirm that you removed the jammed media.
5 Close the cover or door that the printer operator panel indicates.



6 Insert the roll of media in the printer.
The printer is ready for use.

Note: *If you remove the media from the front of the printer, there is a risk of ink pollution in the media feed section.*

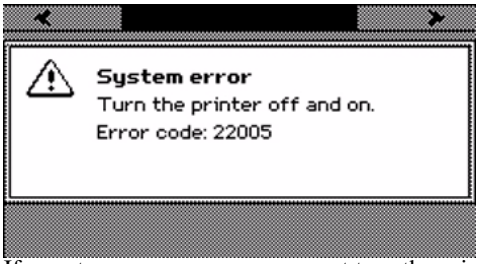
System errors and permanent errors

Introduction

If a system error or a permanent error occurs, the system produces a double audio signal. The red LEDs of the printer operator panel remain illuminated.

How to correct system errors

1 A system error is an error that the system can recover. If a system error occurs, an error code is displayed on the screen.



2 If a system error occurs, you must turn the printer off and on.
Note: *After the system is turned off, wait a few seconds before you turn the system on again.*

How to deal with permanent errors

1 A permanent error is an error that neither the system nor the operator can recover. A permanent error does not recover when you restart the system. If a permanent error occurs, an error code is displayed on the screen.

2 If a permanent error occurs, contact your local Océ service organization. Make sure you have the error code at hand when you contact your local Océ service organization.

Miscellaneous errors

Introduction

This section describes the following errors:

- The end of the media roll is reached while you print.
- A door or cover is open although you are not in a wizard.
- The carriage is away from its home position too long. The printheads can become dry.
- The media required for the job is not available on the printer.
- Possible obstruction of ink path.
- Excessive temperature or humidity.
- The Océ Queue Manager contains damaged jobs that you cannot delete.

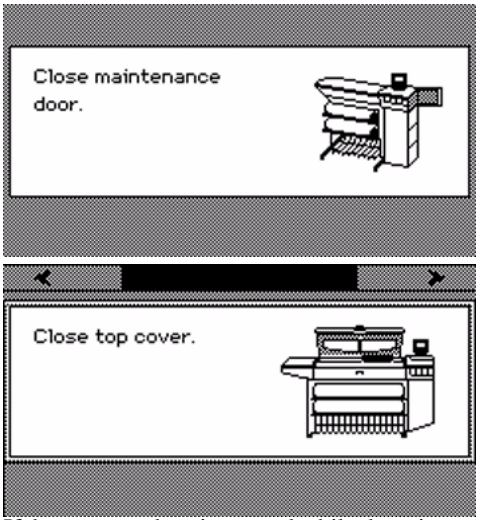
End of roll

If the setting **KO - Printer - Automatic roll switch** in the Océ Settings Editor is set to 'On' and the other roll contains the same media type, the printer automatically switches to the other roll.
If the end of the media roll is reached during printing and the other roll does not contain the same media type, the system produces a short interrupted audio signal. The red LEDs on the printer operator panel flash two times.
The output is dried to make retraction of the output possible.

Cover or door opened

You are only allowed to open the top cover when you are in the 'Replace printhead' wizard.
You are only allowed to open the maintenance door when you are in the 'Replace cassette' wizard.

When you open the top cover or the maintenance door without accessing the wizard, the system produces a warning signal. The red LEDs on the printer operator panel remain illuminated. If you open a door or cover during printing, the printer stops. A message on the printer operator panel tells you to close the top cover or the maintenance door. Close the top cover or the maintenance door to continue.

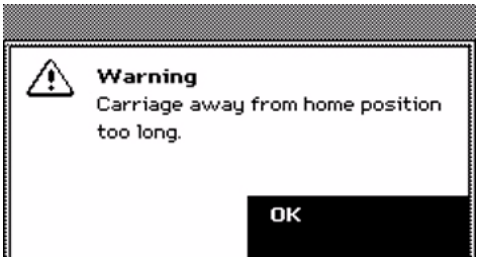


If the cover or door is opened while the printer prints a job, the print is cut after you close the cover. Then the whole print job is restarted.

Carriage away from home position too long

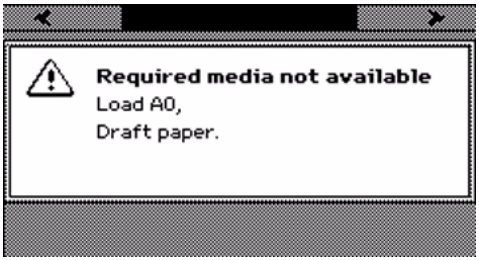
Attention: *If the carriage stays away from its home position too long, the printheads become dry. When the printheads are dry, you must replace the printheads.*

Always replace the printheads or the maintenance cassette in one continuous action to prevent the drying of the printhead nozzles.
When you replace a printhead or the maintenance cassette, the carriage moves to the center. When the carriage is in the center too long, the system produces an error signal The red LEDs on the printer operator panel remain illuminated. The printer operator panel also displays a message. Press the key for 'OK' to acknowledge the error message.



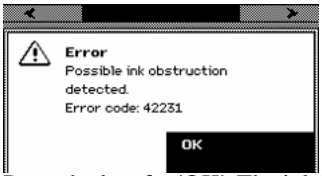
Required media not available

If the Océ Power Logic® controller tries to print on a type of media that is not available on the printer, the printer operator panel displays a media request. The system produces a short interrupted audio signal. The red LEDs of the printer operator panel remain illuminated. Replace the media roll to continue. The following shows an example of the message.



Possible obstruction of ink path

If the ink tank is full, but the printer detects no ink in the ink reservoir, it is possible that the ink path is blocked. The system produces a short interrupted audio signal. The red LEDs on the printer operator panel flash two times, and the following error message appears on the screen:



Press the key for 'OK'. The ink level indicator for the color on the on-line screen of the printer operator panel is grayed out and flashes.

If this error occurs, contact your local Océ service organization. Make sure you have the error code at hand when you contact your local Océ service organization.

Temperature or humidity out of range

The system produces a short interrupted audio signal. The red LEDs on the printer operator panel flash two times. Press the key for 'OK'. The system information card on the on-line screen of the printer operator panel displays the following message until the problem is solved:

If this error persists, contact your local Océ service organization.

Clear the set memory

Attention: *When you clear the set memory, all jobs on the system are deleted.*

Clear the set memory when the Océ Queue Manager contains damaged jobs that you cannot delete.
You can clear the set memory from the Océ System Control Panel.

From the 'System' menu, select 'Clear the system' to delete all the jobs on the system.

If you do not have a keyboard, mouse and monitor with your controller, you can also clear the system with the 'Configure system' wizard on the printer. (see ‘*Configure the network settings of the Océ TCS400*’ on page *49*).

Clear the errors on the scanner

Remove a jammed original

Introduction

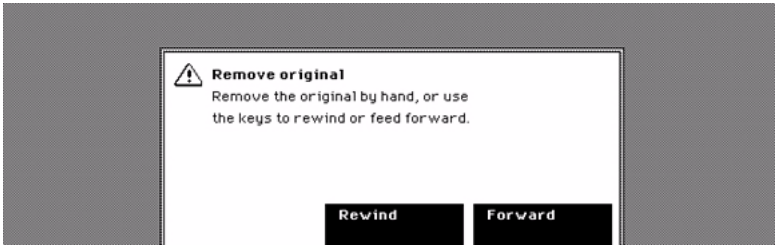
If an original jam occurs, the screen displays an error message. If such an original jam occurs on the system, immediately remove the jammed original to prevent damage to the original.

When to do

An original jam can occur while the original is fed into the scanner. (see '*Feed the original*' on page *156*)

How to remove a jammed original

1. Use the softkeys for 'Forward' or 'Rewind' to remove the jammed original from the scan area.
2. If the removing of the original with the softkeys can cause damage to the original, lift the pressure platen and remove the original by hand.
   The sections about how to adjust the pressure platen and about how to clean the scan area describe how to lift the pressure platen.(see '*Thick originals*' on page *158*). (see '*Clean the scan area*' on page *197*)

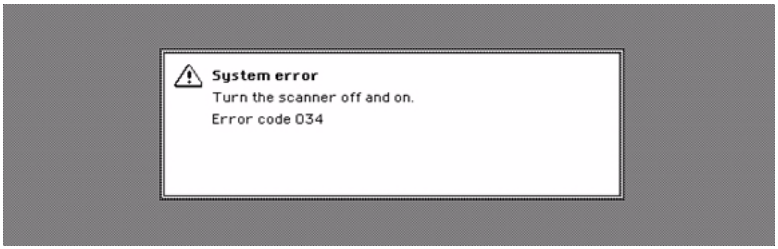


[64] How to remove a jammed original

System errors and permanent errors

Introduction

If a system error or a permanent error occurs, the screen displays an error message with the error code.



[65] A system error message on the scanner operator panel

[66] A permanent error message on the scanner operator panel

How to correct system errors and permanent errors

Refer to the procedure to correct system errors and permanent errors on the printer. Use the same procedure on the scanner. (see '*System errors and permanent errors*' on page *207*).

Miscellaneous errors

Introduction

This section describes the following errors:

- A smartcard error
- An adjustment error
- A calibration error.

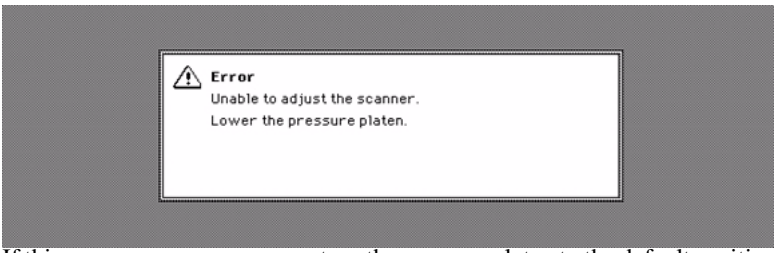
A smartcard error

If a smartcard error occurs on the scanner, follow the instructions on the screen and make sure the smartcard is correctly installed.
(see '*Correct smartcard errors*' on page *216*)

An adjustment error

The scanner can only perform the automatic adjustment if the pressure platen is placed in the default position.

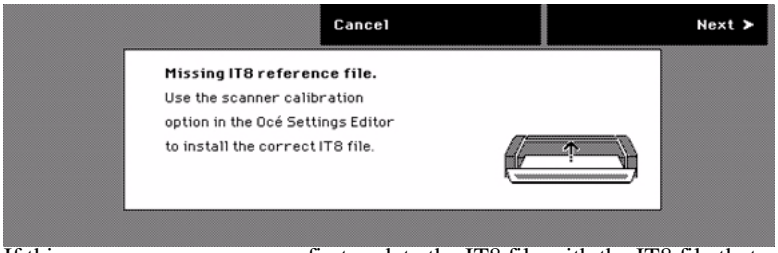
If the pressure platen is not in the default position for longer than a defined time, the following error message can appear:



If this error message appears, return the pressure platen to the default position. Wait until the scanner adjustment is complete, then adjust the pressure platen again.
(see '*Thick originals*' on page *158*)

A calibration error

When calibrating the scanner, the following error message can appear:



If this error message appears, first update the IT8 file with the IT8 file that matches the scanner calibration sheet, then calibrate the scanner.
(see '*Update the IT8 file for scanner calibration*' on page *149*)
(see '*Calibrate the scanner*' on page *146*)

Before you calibrate the scanner, always make sure you fulfill all requirements described in the Calibrate the scanner section of chapter 7. If an error message appears, follow the instructions on the screen.(see '*Calibrate the scanner*' on page *146*)

Correct smartcard errors

Introduction

The Océ TCS400 scanner contains a smartcard. The smartcard is located inside the front compartment in the small drawer marked 'PUSH'.

[67] The smartcard is found inside the front compartment in the small drawer marked PUSH

When to do

If the smartcard is not installed correctly, the screen displays an error message. When the screen displays an error message, follow the instructions on the screen. The scanner only functions when the smartcard is installed correctly.

How to install the smartcard correctly

1. Press the small drawer marked 'PUSH' inside the front compartment of the scanner.
   The drawer opens.
2. Install the smartcard with the contact side downward.

Chapter 12
Océ Power Logic® controller: Océ Settings Editor

Introduction to the Océ Power Logic® controller: Océ Settings Editor

Introduction

This chapter gives information about the Océ Settings Editor. The on-line help of the Océ Settings Editor application contains exact information about specific settings.

You can access the Océ Settings Editor locally on the controller if you have a keyboard, mouse and monitor with your Océ Power Logic® controller. You must use Océ Remote Logic® to connect to the Océ Settings Editor if you do not have a keyboard, mouse and monitor with your Océ Power Logic® controller.

Description of the Océ Settings Editor

Use the Océ Settings Editor to define the default settings for the system according to your requirements. The Océ Settings Editor includes the following types of settings:

- Key Operator settings (KO settings)
- System Administrator settings (SA settings).

A password protects the KO settings and the SA settings. Without a password, you can only view the settings.

The key operator is allowed to change the following groups of settings (see '*Define the settings in the Océ Settings Editor*' on page *228*):

- Job settings for the print jobs
- Printer settings
- System settings.

The system administrator is allowed to change the following groups of settings (see '*Define the settings in the Océ Settings Editor*' on page *228*):

- Poker settings
- Printer language (PDL) settings
- Pen settings
- Automatic Language Selection (ALS) settings
- Controller identification settings
- Set memory reservation settings
- Connectivity settings.

In the 'Anonymous' mode, the operator is not logged on. The anonymous user is allowed only to view the settings.

Overview of the Océ Settings Editor

Start the Océ Power Logic® controller applications

Introduction

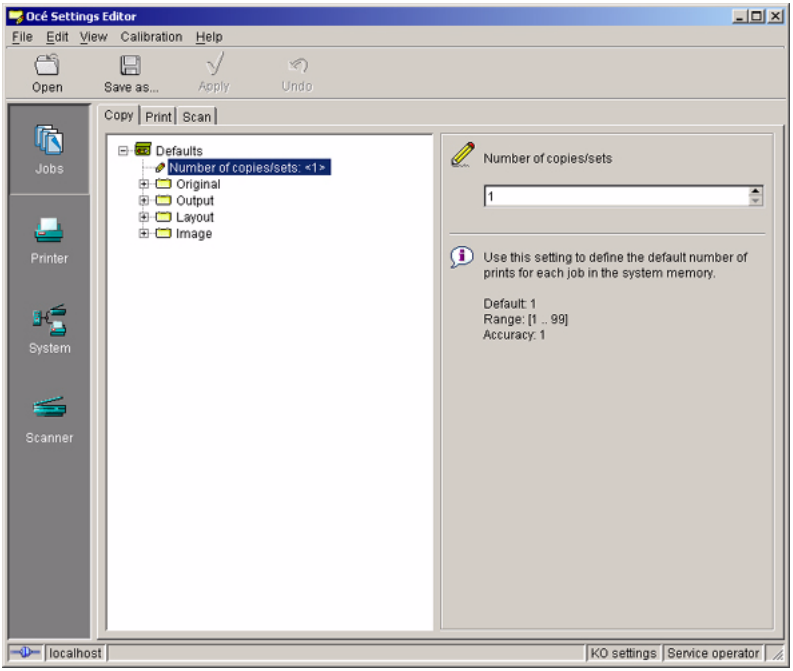
You can start the Océ Power Logic® controller applications locally on the controller or from a remote workstation. This section describes how to start the applications locally on the Océ Power Logic® controller. The section 'Start the applications with Océ Remote Logic®' describes how to start the applications from a remote workstation (see '*Start the applications with Océ Remote Logic®*' on page *256*).

Start the applications locally on the Océ Power Logic® Controller

1. Select the 'Launcher' application.
2. Select the required application.
   The application starts with your default system.

Overview of the Océ Settings Editor

The structure of the Océ Settings Editor



[68] The structure of the Océ Settings Editor

The Océ Settings Editor displays the following fields:

1. The menu bar
2. The top toolbar
3. The left toolbar
4. The settings area
5. The status bar.

The menu bar

[69] The menu bar

Menu	Function
'File'	■ Log on to a user mode ■ Log off from the previous user mode ■ Open a file that contains saved settings ■ Save the current settings to a file ■ Connect to a different controller (for remote users only). ■ Close the application.
'Edit'	■ Define the host name ■ Define the default system you want to connect to during start-up ■ Use 'Automatic logon' to start the Océ Settings Editor application automatically in the defined user mode.
'View'	■ Toggle between the display languages ■ Toggle between the display of the KO settings and the SA settings.
'Help'	■ Access the contents of the on-line help ■ Get more information about the copyright and the version of the application.

[32] The menu bar items

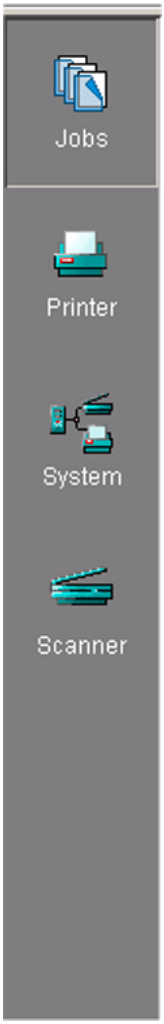
The top toolbar

[70] The top toolbar

Button	Function
'Open'	Open a file that contains saved settings.
'Save as...'	Save all the KO settings or the SA settings in a file.
'Apply'	Apply the changes you made to the settings. **Note:** *The button is enabled after you change a setting. The button is disabled after you apply the settings, or after an undo action.*
'Undo'	Restore the settings to the state before the settings were changed. The 'Undo' button does not restore the factory default. **Note:** *The button is enabled after you change a setting. The button is disabled after you apply a changed setting.*

[33] The buttons of the top toolbar

The left toolbar



[71] The left toolbar

Button	Function
'Jobs'	Gives access to the settings for the jobs. **Note:** *The 'Jobs' button is only available in the key operator view.*
'Printer'	Gives access to the settings for the printer.

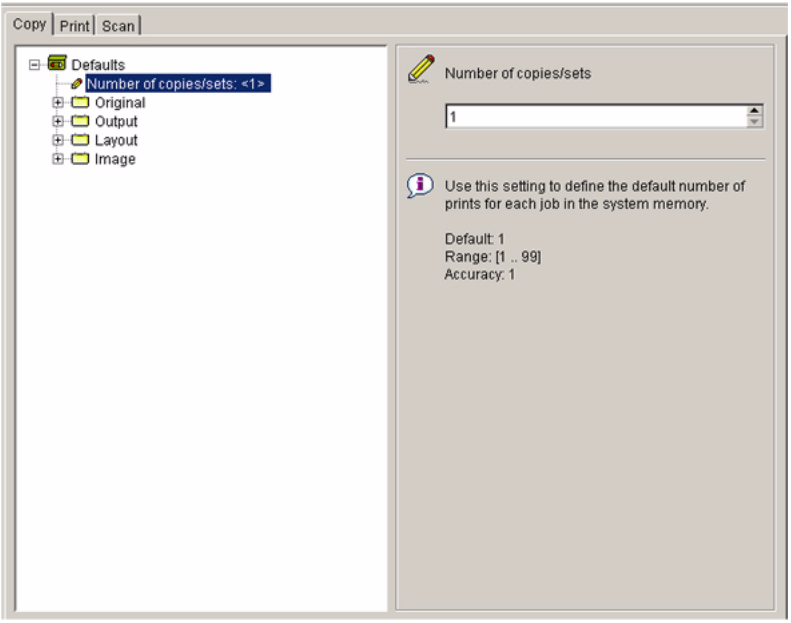
Button	Function
'System'	Gives access to the settings for the system.
'Scanner'	Gives access to the settings for the scanner.

[34] The buttons of the left toolbar

Click a button to access the special group of settings of this button. A shadow highlight indicates which button is activated.

The on-line help in the Océ Settings Editor includes complete information about the different settings.

The settings area



[72] The settings area

Part	Function
Tree structure	Display the settings. Open a folder to show all the settings in that folder. The display does not include the unavailable settings for the system components.
Update area	Define the settings selected in the tree structure. The update area can contain additional information (definition and values) about the selected setting. Only authorized users can change the settings. If the user is not authorized to change a setting, the update area is grayed out.

[35] The parts of the settings area

The status bar

The status bar at the bottom of the Océ Settings Editor displays the following (from left to right):

- The system status ('connected' or 'disconnected').
- The system name ('local host' if you are working on the controller).
- The user mode (key operator, system administrator or anonymous).
- The view mode (KO Settings or SA Settings).

Icon	Description
	The Océ Settings Editor is connected to a system.
	The Océ Settings Editor is not connected to a system.

[36] The icons for the connection status

Use the Océ Settings Editor

Define the settings in the Océ Settings Editor

Introduction

The Océ Settings Editor allows you to define the following settings:

- Key operator settings (KO settings)
- System administrator settings (SA settings).

You need a password to change the KO settings and SA settings (see '*Log on to the controller applications*' on page *264*).

Note: *Only one key operator, system administrator or repro operator at a time is authorized to change the settings. An error message appears when a second user tries to log on to the key operator mode or system administrator mode. Multiple users are authorized to view the settings.*

How to define the key operator settings

1. Log on to the key operator mode.
2. Use the buttons on the left toolbar to display the required group of settings.
3. Select the required settings in the tree structure.
4. Define the settings in the update area.
5. Click the 'Apply' button to confirm the new settings.
6. Log off from the key operator mode to prevent unauthorized use of the application.

How to define the system administrator settings

1. Log on to the system administrator mode.
2. Use the buttons on the left toolbar to display the required group of settings.
3. Select the required settings in the tree structure.
4. Define the settings in the update area.
5. Click the 'Apply' button to confirm the new settings.
6. Log off from the system administrator mode to prevent unauthorized use of the application.

Save, load, and print the settings

Introduction

It is possible that you need different settings for different customers, departments or other conditions. For this reason, you can save the settings to a file and then load the settings from a file.

The Océ TCS400 has the following special files for your use:

1. **Backup.kos/Backup.sas**
   These files contain the previous values for the key operator settings and the system administrator settings before the last 'Apply'.
2. **Current.kos/Current.sas**
   These files contain the values for the key operator settings and the system administrator settings after the last 'Apply'.

If you need a complete overview of all settings defined in the Océ Settings Editor, you can print a list of all current settings.

How to save the settings to a file

1. From the 'File' menu, select 'Save as'.
   You can also click the 'Save as' button on the toolbar.
   If the client is a local client, the screen displays a dialog box. The user can enter a file name. The file is saved in the specified directory on the system.
   If the client is a remote client, the screen displays a dialog box. The user can enter a directory name and a file name.
   Note: *Repro operators and anonymous users are not authorized to save the settings to a file.*

How to load the settings from a file

1. From the 'File' menu, select 'Open'.
   You can also click the 'Open' button on the toolbar.
   The screen displays a dialog box from where you can browse to the required file.
2. Click the 'Apply' button.
   The settings are transferred to the system.
   If you are logged on as a key operator, the system only loads the KO settings.
   If you are logged on as a system administrator, the system only loads the SA settings.
   Repro operators and anonymous users are not authorized to load the settings from a file.

How to print a list of the current settings

1. From the 'System' menu in the Océ System Control Panel, select 'Print settings'.
   A list of the current settings on the Océ Power Logic® controller is printed.

Chapter 13
Océ Power Logic® controller: Océ System Control Panel

Introduction to the Océ Power Logic® controller: Océ System Control Panel

Description of the Océ System Control Panel

The Océ System Control Panel application provides you with the following information about the status of the system.

- Status of the printer
- Descriptions of the different types and sizes of available media on the system
- The ink level for each color
- Status of the scanner
- Status of the controller
- The amount of set memory in use.

You can access the Océ System Control Panel locally on the controller if you have a keyboard, mouse and monitor with your Océ Power Logic® controller. You must use Océ Remote Logic® to connect to the Océ System Control Panel if you do not have a keyboard, mouse and monitor with your Océ Power Logic® controller.

See 'Océ Power Logic® controller: Océ Settings Editor' for information about how to start the application locally on the controller.(see '*Start the Océ Power Logic® controller applications*' on page *220*).
See 'Océ Power Logic® controller: Océ Remote Logic®' for information about how to start the application from a remote workstation. (see '*Start the applications with Océ Remote Logic®*' on page *256*).

User operations in the Océ System Control Panel

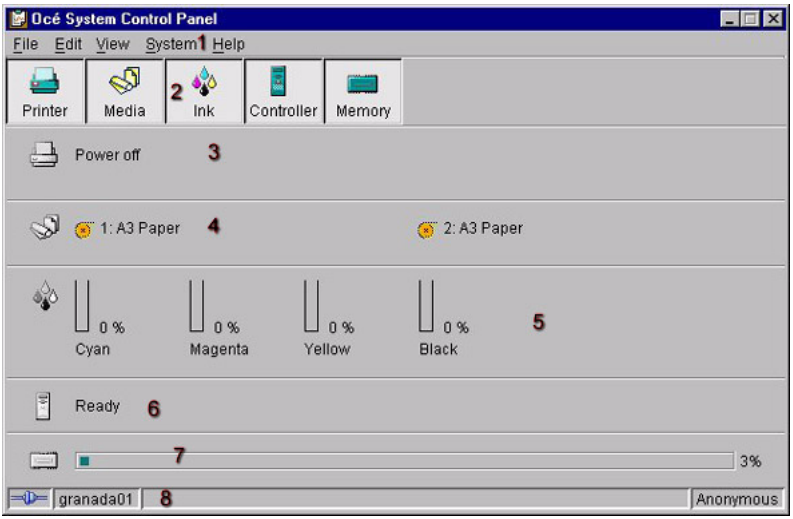
The Océ System Control Panel allows you to do the following:

- Make a demo print. See Make a demo print
- Print your system configuration (see '*Save, load, and print the settings*' on page *229*)
- Clear the system memory (see '*Miscellaneous errors*' on page *208*)
- Shut down the system (see '*Turn the Océ Power Logic® controller and the printer off*' on page *43*).

Overview of the Océ System Control Panel

Overview of the Océ System Control Panel

The structure of the Océ System Control Panel



[73] The structure of the Océ System Control Panel

The Océ System Control Panel includes the following items:

1 The menu bar
2 The toolbar, with buttons to access the view area
3 The status of the printer and printheads
4 An overview of the loaded media types
5 The ink level indicators
6 The status of the scanner
7 The status of the Océ Power Logic® controller
8 The amount of set memory in use
9 The status bar.

Menu	Items
'File'	■ Click 'Log on' to select the user mode. Then enter the password. ■ Click 'Log off' to leave the user mode. ■ Click 'Connect to' and select a different controller (only for remote users). ■ Click 'Close' to leave the Océ System Control panel.
'Edit'	Click 'Options' to define the following: ■ The 'Host name'. ■ The 'Default system'. ■ The 'Automatic logon'. Use 'Automatic logon' to automatically start up in the defined user mode. ■ Select the two screen languages.
'View'	■ Select one of the display languages for the application. ■ Display the items for the status control. Click an item to view the status. The items correspond with the buttons of the toolbar.
'System'	■ Click 'Print settings' to print a report of the configuration settings. ■ Click 'Demo print' to make a demo print. ■ Click 'Clear system' to remove all the jobs from the system. ■ Click 'Shut down' to shut down the system.
'Help'	■ Click 'Contents' to access the topics of the on-line help. ■ Click 'About' for general information about the Océ System Control Panel.

[37] The items of the menu bar

The toolbar

Click the buttons on the toolbar of the Océ System Control Panel to check the status of the items in the view area. If operator action is required, the appropriate button will flash.

Item	Function
'Printer'	View the status of the printer and the printheads. If the printer operator panel displays an error, the 'Printer' status window of the Océ System Control Panel will display the same error.
'Media'	View the status of the media (available, empty or disabled). The 'Media' display also shows information about the available media sizes and media types. **Note:** *If a roll is disabled, the roll icon is grayed out. The text '-disabled-' replaces the media information.*
'Ink'	View the ink levels of the four colors.
'Controller'	View the status of the controller.
'Memory'	Check the amount of set memory that is available. The percentage on the right-hand side of the set memory meter indicates the amount of set memory in use. The colors indicate the following: ■ Green indicates that the set memory has sufficient space for a large print job or many small jobs. ■ Orange indicates that the set memory approaches the red zone. Large print jobs may not be possible. ■ Red indicates that the set memory is (nearly) full. The system does not accept new print jobs. Remove files or wait until files are printed and automatically removed from the memory. **Note:** *Define the threshold values for the orange zone and the red zone in the Océ Settings Editor.*

[38] The buttons of the toolbar

The status bar

The status bar at the bottom of the Océ System Control Panel displays the following:

- The system status (connected or disconnected).
- The system name ('localhost' if you work on the Océ Power Logic® controller).
- The job status (for example 'Printing').
- The user mode ('Key operator', 'Repro operator', 'System administrator', 'Service operator' or 'Anonymous').

Icon	Function
	The Océ System Control Panel is connected to a system.
	The Océ System Control Panel is not connected to a system.

[39] The icons of the status bar

Icons

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

Icon	Description
	The media roll is available and the roll is ready to print
	The media roll is disabled.
	The media roll is enabled but empty.

Chapter 14
Océ Power Logic® controller: Océ Queue Manager

Introduction to the Océ Power Logic® controller: Océ Queue Manager

Introduction

This chapter describes how to view and manage the jobs with the Océ Queue Manager.

You can access the Océ Queue Manager locally on the controller if you have a keyboard, mouse and monitor with your Océ Power Logic® controller. You must use Océ Remote Logic® to connect to the Océ Queue Manager if you do not have a keyboard, mouse and monitor with your Océ Power Logic® controller.

See 'Océ Power Logic® controller: Océ Settings Editor' for information about how to start the application locally on the controller. (see '*Start the Océ Power Logic® controller applications*' on page *220*).
See 'Océ Power Logic® controller: Océ Remote Logic®' for information about how to start the application from a remote workstation (see '*Start the applications with Océ Remote Logic®*' on page *256*).

Description of the Océ Queue Manager

The Océ Queue Manager application provides you with a graphical image of the print queue, the history queue or the inbox queue.

The Océ Queue Manager allows you to perform the following:

- View the queue of jobs
- Cancel the current job
- Delete jobs in the queue
- Place jobs on hold in the queue
- Print jobs from the history queue
- Print jobs from the inbox queue
- Move jobs to the top of the queue
- Give priority to jobs in the queue
- Restart the jobs that were placed on hold in the queue.

User modes

The Océ Queue Manager has the following user modes:

- The key operator mode
- The repro operator mode
- The system administrator mode
- The service operator mode.
  This mode is for the Océ service engineer only.
- The anonymous mode.

The user modes provide the following permissions:

- The repro operator, the key operator and the system administrator user modes allow you to hold, resume and delete the jobs. A repro operator, key operator or system administrator is allowed to move jobs to top.
- The anonymous user mode only allows the user only to view the queue. All the buttons and menu items are disabled in this mode. The anonymous user is allowed to cancel the jobs when the user works locally with the Océ Queue Manager on the controller.

Note: *The key operator, the system administrator and the repro operator have the same access permissions to functions in the Océ Queue Manager and the Océ System Control Panel. The permissions to access the settings in the Océ Settings Editor vary according to the different user modes.*

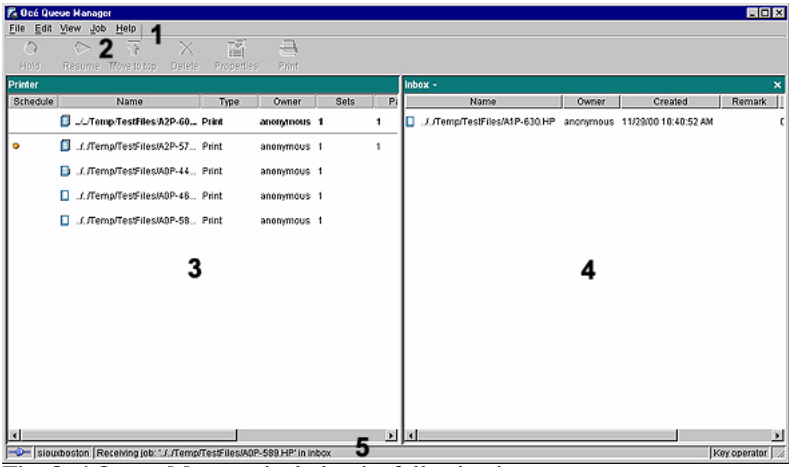
Overview of the Océ Queue Manager

Overview of the Océ Queue Manager

Introduction

This section contains an overview of the Océ Queue Manager application. Use the Océ Queue Manager to manage the jobs in the job queue.

The structure of the Océ Queue Manager



The Océ Queue Manager includes the following items:

1. The menu bar
2. The toolbar
3. The window for the print queue
4. The window for the inbox queue or history queue
5. The status bar.

The Océ Queue Manager uses columns to display the following information for each job:

- The current status and the schedule of the job
- The name of the job
- The type of job (a print job or a copy job)
- The name of the user who sent the print job
- The number of sets and pages
- Remarks.

Note: *Drag the table header separators to change the width of the columns. Drag a column to a new position to change the sequence of the columns.*

The menu bar

Menu	Items
'File'	■ Click 'Log on' to select the user mode. Then enter the password. ■ Click 'Log off' to leave the user mode. ■ Click 'Connect to' and select a different controller (only for remote users). ■ Click 'Close' to leave the Océ Queue Manager.
'Edit'	Click 'Options' to define the following: ■ The 'Host name'. ■ The 'Default system'. ■ The 'Automatic logon'. Use 'Automatic logon' to automatically start up in the defined user mode. ■ Select the two screen languages.
'View'	■ Toggle between the defined display languages. ■ Toggle between the 'Inbox' queue and the 'History' queue. ■ Define the 'Column options'. Select the table headers you want to see when you open the Océ Queue Manager.
'Job'	Display the actions for a job. The menu items correspond with the toolbar buttons.
'Help'	■ Click 'Contents' to access the topics of the on-line help. ■ Click 'About' for general information about the Océ Queue Manager.

[40] The items of the menu bar

The toolbar

Button	Function
'Hold'	Place a job on hold in the print queue .
'Resume'	Continue a job that was placed on hold.
'Move to top'	Move a job to the top of the print queue, to give the job priority.
'Delete'	Delete a job from the print queue.
'Properties'	View the properties of a selected job.
'Print'	Print a job from the print queue.

[41] The toolbar buttons

The status bar

The status bar at the bottom of the Océ Queue Manager displays the following:

- The system status (connected or disconnected).
- The system name ('localhost' if you work on the Océ Power Logic® controller).
- The job status (for example 'Printing').
- The user mode ('Key operator', 'Repro operator', 'System administrator', 'Service operator' or 'Anonymous').

The window for the print queue

The print queue window in the left-hand pane contains two sections.

- The top section above the separation line shows the job that is printed.
- The bottom section under the separation line shows the jobs that wait to be printed. The window displays the jobs in the order in which the jobs are received.

The window for the inbox queue or history queue

The inbox queue in the right-hand pane contains the jobs that were sent to the inbox on the controller. You can print the jobs, delete the jobs and view the properties of the jobs. The print jobs are sent to the inbox when the setting **KO - System - Job management - Print jobs** in the Océ Settings Editor is set to inbox or if 'Send to inbox' is enabled in the driver.

The history queue in the right-hand pane contains the jobs that have been printed. You can print the jobs, delete the jobs and view the properties of the jobs. Use the setting **KO - System - Job management - History queue - Print job lifetime** in the Océ Settings Editor to define how long the jobs must remain in the history queue.

Icons

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

Icon	Description
	Receiving a job in the inbox or the print queue.
	Received a job in the print queue.
	Processing a job in the print queue.
	Processed a job in the print queue.
	An active job in the print queue (bold font and above the gray separation line).
	Printing a job.
	Delivering a job to the history queue.
	Delivered a job to the history queue.
	Deleted a job.
	A job that is put on hold by default . This icon indicates that the job is displayed in the inbox.
	A job is on hold.
	Warning, a media request.

Use the Océ Queue Manager

User operations in the Océ Queue Manager

Introduction

The Océ Queue Manager allows you to perform the following:

- Print a job from the inbox queue or the history queue
- Cancel jobs
  This action deletes jobs from the print queue.
- Abort jobs.
  This action cancels an active print job.
- Place jobs on hold
  This action places print jobs on hold. When you place jobs on hold other jobs take priority.
- Restart jobs on hold.
  This action resumes jobs that were previous placed on hold.

The Océ Queue Manager displays the jobs in the sequence that the jobs are received. The copy jobs have priority over the print jobs.

How to print jobs from the inbox queue or the history queue

1. Select the jobs in the history queue or the inbox queue.
   Print jobs are sent to the inbox queue if the setting **KO - System - Job management - Print jobs** is set to 'Inbox' or if you have enabled 'Send to inbox' in the printer driver.
   After you print a job from the print queue, the job moves to the history queue.
2. From the 'Job' menu, select 'Print', or click the 'Print' button on the toolbar.
3. The job moves to the print queue.
   You can select more than one job with the mouse and the shift or control key.

How to print a number of sets of a job from the history queue

1. Log on as a key operator or as a system administrator.
2. Select the job in the history queue.
3. Open the 'Job properties' dialog box.
   Use one of the following methods to open the 'Job properties' dialog box:
   - From the 'Job' menu, select 'Properties' or,
   - Click the 'Properties' button on the toolbar or,
   - Right-click the job and select 'Properties'.
4. Select the 'Settings' tab in the 'Job properties' dialog box.
5. Change the number of sets in the 'Sets' field.
6. Print the job as described in the paragraph above.
   The system prints the indicated number of sets.

How to cancel jobs from the Océ Queue Manager

Attention: *You can never undo this action.*

1. Select the jobs in the print queue, the history queue, or the inbox queue.
2. From the 'Job' menu, select 'Delete', or click the 'Delete' button on the toolbar.
   A cross icon indicates the deleted job.
   The system does not print the canceled job.
   You can select more than one job with the mouse and the shift or control key.
   Note: *An anonymous user cannot cancel a job from a remote system.*

How to cancel active print jobs from the Océ Queue Manager

Attention: *You can never undo this action.*

1. Select the active job in the print queue.
2. From the 'Job' menu, select 'Delete', or click the 'Delete' button on the toolbar.
   The printer stops the printing immediately.
   If the controller was still processing part of the job, the controller flushes the job.
   Note: *An anonymous user cannot cancel a job from a remote system.*

How to place jobs on hold in the Océ Queue Manager

1. Select the jobs in the print queue.
2. From the 'Job' menu, select 'Hold', or click the 'Hold' button on the toolbar.
   A job that is placed on hold keeps its position in the print queue. The job will not print until the job is resumed. While a job is on hold, other jobs are printed. The jobs that were in the queue behind the job on hold are also printed.
   You can select more than one job with the mouse and the shift or control key.
   Note: *The active print job cannot be placed on hold in the Océ Queue Manager.*

How to restart jobs in the Océ Queue Manager

1. Click the job that was placed on hold.
2. From the 'Job' menu, select 'Resume', or click the 'Resume' button on the toolbar.
   The job restarts.
   You can select more than one job with the mouse and the shift or control key.

How to give priority to jobs in the Océ Queue Manager

1. Select the jobs in the print queue.
2. From the 'Job' menu, select 'Move to top', or click the 'Move to top' button.
   You can select more than one job with the mouse and the shift or control key.

Chapter 15
Océ Power Logic® controller: Océ Remote Logic®

Introduction to Océ Remote Logic®

The applications of Océ Remote Logic®

You must use Océ Remote Logic® to connect to the Océ Power Logic® controller applications if you do not have a keyboard, mouse and monitor with your Océ Power Logic® controller.

You can use Océ Remote Logic® to run the following applications from a remote workstation:

- Océ Settings Editor
  Use the application to change the default settings of the system.
- Océ Queue Manager
  Use the application to manage the print jobs.
- Océ System Control Panel
  Use the application to view the status of the printer, the scanner and the controller. You can also view the media available on the printer and the amount of set memory in use.

User modes

The Océ Remote Logic® controller applications have different user modes (see '*The Océ TCS400 users*' on page *13*). An additional user mode is the 'Service operator' mode. This mode is for the Océ technician only.

Install and start Océ Remote Logic®

Install Océ Remote Logic® on your system

Introduction

The Océ Remote Logic® application can run on all platforms with Java™ Virtual Machine. This section describes the installation procedures for the different types of platforms.

Before you begin

To install Océ Remote Logic® on Windows® 9.x, NT, ME, XP, or 2000, your system must be at least equipped with a Pentium® 233 with 32 Mb RAM.

Installation procedure for Microsoft® Windows® platforms

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. The installation starts automatically. If does not start automatically, run Setup.exe.
3. Select the required language in the installation wizard and click 'OK'.

[74] Select the setup language

4. Follow the instructions on the screen to complete the installation of Océ Remote Logic®.
   Note: *You can only use Océ Remote Logic® when TCP/IP is enabled on your system. Refer to your system administrator for help with the installation procedure for TCP/IP.*

Installation procedure for UNIX™ platforms

1. Check if a Java™ Runtime Environment (JRE) is installed on the system.
2. From the directory **Products/remotelogic/UNIX**, unpack the contents of the file **RemoteLogic_vX.tar** to a subdirectory on the system.
3. Use **tar xvf RemoteLogic_vX.tar** to unpack the file.
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 (for example **remotelogic QM SCP SE** to start the three applications), or use **remotelogic AL** as the application launcher.

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*

Where to download the Java™ Runtime Environments

Platform	Preferred version	Download location
1	1.1.8	http://www.ibm.com/java
2	C.01.18.xx	http://www.unix.hp.com/java
3	N/A	http://www.ibm.com/java

[42] Download Java™ Runtime Environments

Installation procedure for other platforms

1. Install Java™ Virtual Machine (version 1.1.8).
2. From the Océ Remote Logic® CD-ROM, load **RemoteLogic_vX.tar** or **RemoteLogic_vX.zip**.
3. Set the environment variable **RL_VM_HOME** to point to the Java™**Products/remotelogic/UNIX** installation directory.
4. If necessary, edit the Océ Remote Logic® script or batch file.
5. Use the Océ Remote Logic® script or batch file to start the applications.

Start the applications with Océ Remote Logic®

Introduction

Use the following two methods to start the applications with Océ Remote Logic®.

- Use the programs menu of your operating system.
- Use a command line parameter.

Use the programs menu to start the applications

1. Select 'Océ Remote Logic'
2. Select the 'Launcher' application.
3. Select the required application.
   The application starts with your default system.

   Note: *You can select another system than your default system (see ‘Connect to the controller’ on page 260).*

Use command line parameters to start the applications

Six command line parameters are available to facilitate the start of the applications.

- configfile=<config_file>
  Sets the configuration file to use.
- server=server
  Sets the indicated 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: *Always use a matching combination of language and country (see the following table).*

Parameters of supported languages

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

[43] Parameters of supported languages

Apply the parameters to the applications

Apply the parameters to the following applications:

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

The easiest method for applying the parameters to the applications is to create a shortcut for an application. Then add the command line properties.

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

Example of a command line parameter

The example below shows how to start the controller applications with the configuration file 'Myconfig.cfg', connected to the 'MyTCS400' server. The first language is set to UK English and the second language is set to French.

C:\Program Files\Remote Logic\Bin\AL.exe configFile=Myconfig.cfg server=MyTCS400 language1=en country1=GB language2=fr country2=FR.

Connect to the controller

Introduction

After you start one of the Océ Remote Logic® applications, you must connect to the Océ Power Logic® controller of the Océ TCS400. You must connect to the system for every separate application.

You can perform the following when you connect to the controller:

- Select a system from the drop-down list.
- Add a system to the drop-down list.
- Remove a system from the drop-down list.

If the Océ TCS400 is not available in the 'Connect to' dialog box, you must add the Océ TCS400 to the list of available systems.

How to connect to a system

1. Open the application you want to run.
2. From the 'File' menu, select 'Connect to'.
3. Select the system from the drop-down list.
4. Click 'OK'.

Note: *From the 'File' menu, select 'Options' to define the default system. This is recommended if you frequently connect to the same system.*

How to add a system

1. From the 'File' menu, select 'Connect to'.
2. Click 'Edit'.
   The 'Edit systems' dialog box appears.
3. Enter the IP address or the name of the system in the 'Systems' box.
4. Click 'Add'.
   The system is added to the list.
5. Click 'OK' two times to return to the application.

How to remove a system

1. From the 'File' menu, select 'Connect to'.
2. Click 'Edit'.
   The 'Edit systems' dialog box appears.
3. Select the system you want to remove.
4. Click 'Remove'.
   The system is removed from the list.
5. Click 'OK' two times to return to the application.

Use Océ Remote Logic®

Automatic logon

Introduction

The 'Automatic logon' option enables you to start an application automatically in the indicated user mode.

How to enable automatic logon

1. From the 'Edit' menu, select 'Options'.
   The 'Options' window appears.
2. Select the 'Enable automatic logon' checkbox.
3. From the drop-down box, select the user mode for the automatic logon.
4. Enter the password that corresponds to the selected user mode.
5. Click 'OK'.
   Automatic logon is now enabled.

Change the password

How to change the password

1. From the 'File' menu, select 'Log on'.
2. Click 'Password' in the dialog box.
3. Open the drop-down list and select a user.
4. Enter the old password.
5. Enter the new password.
6. Enter the new password a second time to confirm.
7. Click 'OK' to save the new password.

Log on to the controller applications

User modes

The Océ Power Logic® controller contains the following user modes:

- Key operator
- Repro operator
- System administrator
- Service operator.

Chapter 1 contains more information about the types of users (see '*The Océ TCS400 users*' on page *13*). Chapter 9 contains more information about the user modes in the Océ Settings Editor (see '*Introduction to the Océ Power Logic® controller: Océ Settings Editor*' on page *218*). Log on to the correct user mode in the Océ Settings Editor to change the key operator settings or the system administrator settings.

Only assigned operators are allowed to use the user modes. Different passwords are required to access the user modes.
You do not need a password for the anonymous user mode.

Passwords

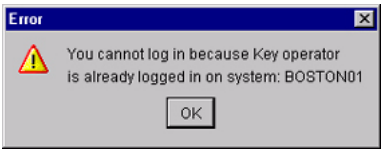
- The default password for the system administrator is **SysAdm**.
- The default password for the key operator is **KeyOp**.
- The default password for the repro operator is **ReproOp**.

If a user is logged on, the user can change the password for the current user mode. (see '*Change the password*' on page *263*)

Note: *The passwords are case sensitive.*

Authorization

Only one key operator, system administrator or repro operator at a time is authorized to change the settings.
An error message appears when a second user tries to log on to the key operator mode or system administrator mode.
There is no limitation of users authorized to view the settings.



[75] Error message when a second user tries to log on

How to log on to the controller applications

1 From the 'File' menu, select 'Log on'.
2 Select the required user name.
3 Enter the password.
4 Click 'OK'.
You are now logged on as special user. If you are not logged on, you have 'Anonymous' user permissions. (see '*The Océ TCS400 users*' on page *13*).
The status bar at the bottom shows the user mode.
The logon is limited to one user only.

Note: *You must separately log on to each application.*

How to log off from the controller applications

From the 'File' menu, select 'Log off'.
You return to the anonymous user mode. Log off from the controller applications to prevent unauthorized use.

Note: *You must separately log off from each application.*

Chapter 16
Account logging

Introduction to account logging

Introduction

This chapter describes the account logging function of the Océ TCS400.

Note: *Account logging is only supported for the print jobs.*

The account logging function

The Océ Power Logic® controller can keep track of all your print jobs. The job information and the use of media is stored for each job. Account logging enables you to collect information about the jobs done for different users and accounts.

All data are stored in a file: the account log file. The account log file contains a record for all the jobs handled on the Océ TCS400.

Use account logging

Use account logging

Introduction

Account logging includes the following steps:

- Enable the account logging option
- Define the file properties
- Print the jobs on the correct account
- Get the generated account log file
- Use the generated account log file.

Enable the account logging option

Account logging is an option. A password protects the use of account logging. Enter the password in the Océ Settings Editor (**KO - System - Enabling passwords - Account logging**) to use this option.

Define the file properties

- **File format**
  The account logging information is stored in a file. The format of the file is ASCII (ISO Latin-1 encoding) or UTF-16. The format depends on the defined format for the log file. The file format is YYYYMMDD.csv (for ASCII files), or YYYYMMDD.txt (for UTF-16 files). Define the file name in the Océ Settings Editor.
- **File content**
  The content of the account log file is based on a text file that includes a sequence of lines of text. A line of text is a sequence of characters. Records include a sequence of fields separated by a field separator character. Each line of text is a record. A record type identifier, which is the first field in a record, indicates the type of record.
- **File storage**
  The account log file is stored on the controller. Every day, the controller generates an account log file. You can define the time during which the account log file is kept on the controller. Define the time in the Océ Settings Editor.
- **File field separator**
  The file field separator separates the items of a record in the account log file. 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 define the same file field separator in the Océ Settings Editor as in the regional system settings for your operating system. For example, for Windows® operating systems, you can find regional system settings 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:
  Quotes are replaced by double quotes.
  The double quotes enclose the text.

This escaping method is compatible with Microsoft® Access and Microsoft® Excel.

Print the jobs on the correct account

For a print job, define the 'Account ID' and the 'User ID' in the printer driver or in the job submission software (for example, Océ Print Exec® workgroup).

Get the generated account log file

The account log files are stored in the 'Accounting' directory on the controller. You can get your files from the local host through FTP (File Transfer Protocol).

Use the generated account log file

After you got the account log file from the controller, you can view and use the data that stored in the records. You can, for example, import the account log file into Microsoft® Excel or Microsoft® Access.

Import the account log file into Microsoft® Excel

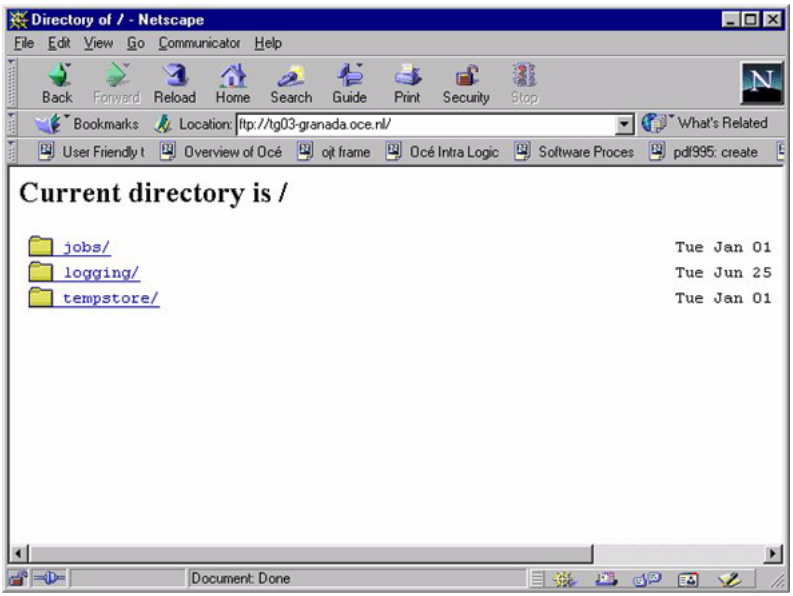
How to import the account log file into Microsoft® Excel

1. Start Microsoft® Excel.
2. Open the account log file on your system.
   Microsoft® Excel shows the content of the account log file (see '*Account information in the log file*' on page *276*).
3. You can now process the data in the account log file.

Get the account log files through FTP

How to get the account log files through FTP in a web browser

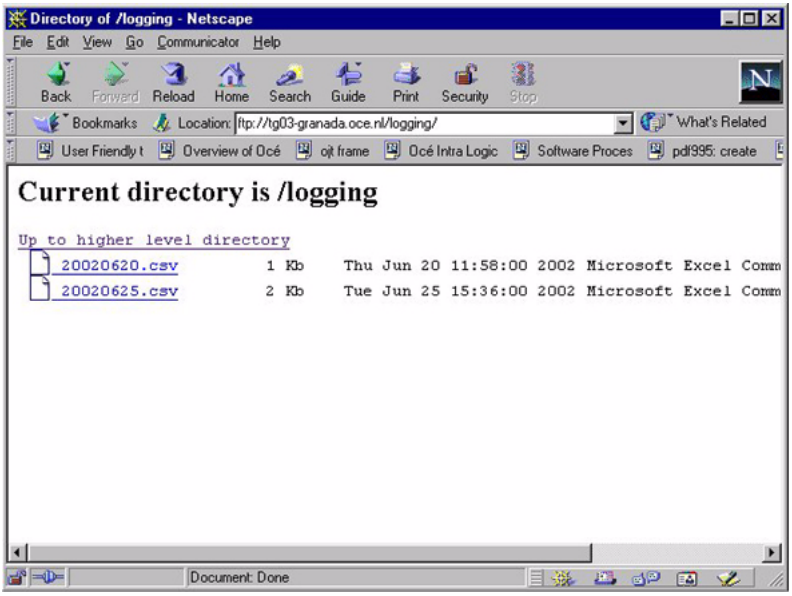
1. Start a web browser.
2. Enter the ftp address of the Océ TCS400 system.
   The browser shows the ftp directories on the Océ TCS400 system.



[76] The FTP directory on the system

Note: *Set the name of the system in the Océ Settings Editor.*

3 Browse to the 'Logging' directory.
The account log files are shown.



[77] The account log files

4 Save the account log files to any destination on your system.

How to get the account log files through FTP from an MS-DOS® box

1 Launch an FTP client.
2 Enter the **ftp** command.
An MS-DOS® box appears with the FTP prompt.
3 Enter the **Open** command.
4 Enter the host name or the IP address of the Océ Power Logic® controller.
5 Press 'Enter'.
The connection with the controller is now established and a window appears asking you for a user name.
Note: *Instead of the steps 2 through 5, you can also enter* ***ftp (host_name)*** *in the FTP client.*

6 Enter your user name 'anonymous', and enter as your password also 'anonymous', or simply press 'Enter' to start the connection
A connection is now set up for the default user 'anonymous'.
7 Enter **binary** to set 'binary' as the transmission mode.
8 Use the command **cd accounting** to go to the 'Logging' directory.
9 Get the account log file.
10 Enter **bye** to quit FTP.

Account information in the log file

Account information in the log file

Introduction

This section describes the standard fields available in the log files.

Structure of the log file

The standard log file is a normal CSV file that you can use in a spreadsheet application. The first line contains the titles of columns that match to the names of the fields.

An account log record (1 line) is generated for each output page. A job that has several pages of output, will have a similar number of account log records.

Each line of text is a record. All records that are part of a single job will have the same value for the 'Job Unique ID' field. The 'Job Unique ID' field is part of each record and is unique for each job in the file. Use the 'Job Unique ID' field to collect records that are part of a single job and to calculate the totals for the whole job.

The first field in each record is a 4-digit number in ASCII, which identifies the record type. The fields in a record have a fixed order determined by the record type. The first two digits of the record type identify the product. See the table below.

The records include a sequence of fields separated by a field separator character.

The fields contain alphanumeric text, semicolons and end-of-lines. When a device does not support a function, or when a function was not used for the job, the field remains empty.

The log file contains two different record types, 6410 and 6411.
The first record in each account log file is 6410 and contains a list of abbreviated field names that occur in the records of type 6411. The 6410 record type is always the same in each account log file and is used as a comment. For example to explain the meaning of the fields if the file is imported in an application like Microsoft® Excel.
The 6411 record in each account log file contains the actual account log information (the second up to the last record in the account log file). (see '*Description of the parameters in the standard account log file*').

Note: *The Océ TDS800 uses the record types 6110 and 6111. The Océ TDS600 uses the record types 6210 and 6211. The Océ TDS400 uses the record types 6310 and 6311.*

Description of the parameters in the standard account log file

The table below describes the fields in the standard CSV account log file.

Parameter	Type	Length (max)	Description
Record type	num	4	Each account log file starts with a record of type 6310. This is a fixed record which only contains the abbreviated field names used in records of the type. Record type identifiers for the different Océ systems. ■ 6111 for the Océ TDS800 ■ 6211 for the Océ TDS600 ■ 6311 for the Océ TDS400 ■ 6411 for the Océ TCS400.
Account ID (AccID)	text	255	Account ID. Escaped according to escaping rules. When the Account ID is not available, this field is empty. **Note:** *The 9-digit numeric 'AccountID' is converted to a textual representation without any prefix. For OJT tickets the textual representation is set to the'AccountID' field in the ticket.*
User ID (UserID)	text	255	ID of the user who sent the job. Escaped according to escaping rules. When the User ID is not available, this field is empty. **Note:** *The 9-digit numeric 'UserID' is converted to a textual representation without any prefix. For OJT tickets the textual representation is set to the'UserID' field in the ticket.*

Parameter	Type	Length (max)	Description
Job ID (JobID)	text	255	ID of job (for example, the job name) as indicated in a job ticket. Escaped according to escaping rules. When the User ID is not available, this field is empty. **Note:** *For OJT tickets the textual representation is set to the'JobName' field in the ticket.*
Machine ID (MachID)	text	255	Unique ID for the system. **Note:** *When you have a configuration with a printer, the Machine ID is the serial number of the printer. When you have a scanner only configuration, the Machine ID is the serial number of the scanner.*
Record version (Version)	num	2	Version number of the record. Starts at 0. Records are numbered from the first layer of the first input page to the last layer of the last input page of the job
Job Unique ID (JobUID)	num	8	Unique job ID, generated by the controller. The Job Unique ID is unique for each job in the log file.
Record number (RecNr)	num	6	Sequence number of this record in the account log for this job. Starts at 0.
Job submission source (JobSrc)	text	255	Host name or IP address of the source of the job. If the source of the job submission is not available, leave the field empty.
Channel type (ChnType)	text	N/A	The Protocol used for the job submission. Includes LPD, SMB, PSERVER, FTP, CENTRONICS.
Receive date year (RcvY)	num	4	The year when the source page was received.
Receive date month (M)	num	2	The month when the source page was received.

Parameter	Type	Length (max)	Description
Receive date day (D)	num	2	The day of the month when the source page was received.
Receive time hours (h)	num	2	The hour when the source page was received.
Receive time minutes (m)	num	2	The minute when the source page was received.
Receive time seconds (s)	num	2	The second when the source page was received.
Source location (SrcLoc)	text	255	The location of the input file.
Source page number (SrcPg)	num	6	The page number of the input page in the source file. Starts at 1.
Source type (SrcType)	text	N/A	The type of source page. The different types of PDLs are TIFF, CALS, PDF, PS, NIRS, HPGL, HPGL2, C4, CALCOMP, and ASCII.
Source width (SrcWth)	num	6	Native width of source page in units (1 unit = 1/72 inch).
Source height (SrcHgt)	num	6	Native height of source page in units (1 unit = 1/72 inch).
Output width (OutWth)	num	6	Actual width of output page in units (1 unit = 1/72 inch).
Output height (OutHgt)	num	6	Actual height of output page in units (1 unit = 1/72 inch).
Width scale (WthScl)	num	4	The scaling factor, in %, applied to the original in the width direction.
Height scale (HgtScl)	num	4	The scaling factor, in %, applied to the original in the height direction.

Parameter	Type	Length (max)	Description
Mirroring (Mirror)	text	2	Mirroring applied to the original. LR (vertical mirror) or TB (horizontal mirror). If mirroring is not applied, this field remains empty.
Rotation angle (Rot)	num	3	The angle of the scaled original when you rotate to the left. The possible values are 0, 90, 180, 270. An angle of 0 indicates that the orientation of the source and the output image are identical.
Process type (PrcType)	text	N/A	The type of processing that was done for this page. ■ PLOT ■ COPY ■ STF (scan to file) ■ CHK (check plot) ■ ICOPY (interrupt copy) ■ INTRNL (internal job) ■ REPLOT (from history queue).
Process completion (PrcCmplt)	text	N/A	How the process was completed for this page. ■ DONE (normal termination) ■ ABRT (job canceled by user) ■ ERR (error occurred) When an error occurred or the job was cancelled, the last page that was correctly delivered has the value DONE and an additional record with value ABRT or ERR is generated for the first page after that (the page that failed to deliver due to the error).
Delivery date year (DlvY)	num	4	The year when the page was delivered.
Delivery date month (M)	num	2	The month when the page was delivered.

Parameter	Type	Length (max)	Description
Delivery date day (D)	num	2	The day of the month when the page was delivered.
Delivery time hours (h)	num	2	The hour when the page was delivered.
Delivery time minutes (m)	num	2	The minute when the page was delivered.
Delivery time seconds (s)	num	2	The second when the page was delivered.
Output page number (OutPg)	num	6	The page number of the output page in this job. Starts at 1.
Output media type (MedType)	text	N/A	The type of output medium. ■ PPAPER (plain paper) ■ TRANSPARENT ■ FILM ■ POLYESTER ■ VELLUM ■ TRANSLUCENT ■ PAPERDRAFT ■ PAPERSTANDARD ■ BOND ■ BONDDELUX ■ PAPERSTANCOATED ■ PAPERPREMCOATED ■ BONDCOATED ■ BONDCOATEDHIGHRES ■ PHOTOPAPERMATT ■ PHOTOPAPERGLOSS ■ TRACINGPAPER ■ BONDTRANSLUCENT ■ MONOVELLUM ■ COLORVELLUM ■ FILMMATT. The field is empty for scan-to-file jobs.

Parameter	Type	Length (max)	Description
Output media special (MedSpc)	text	1	Indicates whether special output media was selected. Y or N. The field is empty for scan-to-file jobs.
Output media weight (MedWgt)	text	N/A	The weight of the output media . ■ LIGHT ■ NORMAL ■ HEAVY. If the weight of the output media is not known, this field remains empty. The field is empty for scan-to-file jobs.
Output media source (MedSrc)	text	N/A	Source of the output media. For example, ROLL1, ROLL2. The field is empty for scan-to-file jobs.
Output fold method (Fold)	text	N/A	Folding in 2 directions ■ AFNOR ■ ERICSSON ■ DIN. Folding in 1 direction ■ AFNOR1 ■ ERICSSON1 ■ DIN1. Off-line folding is not logged. The field is empty for scan-to-file jobs.
Output binding method (Bind)	text	N/A	Specifies the binding method for the output media. ■ EDGEONLY (only binding edge) ■ REINFORCE ■ PUNCH. The field is empty for scan-to-file jobs.

Parameter	Type	Length (max)	Description
Output media destination (MedDst)	text	N/A	Output media destination in case of physical output ■ BELT1 ■ BELT2 ■ BELTS ■ CDT ■ IRT ■ FIRSTFOLD ■ STACKER. The field is empty for scan-to-file jobs.
Output file type (File-Type)	text	N/A	Type of output file in case of digital output. ■ TIFF ■ CALS ■ PDF. The field is empty for print jobs and copy jobs.
Output file compression (FileCmpr)	text	N/A	Compression method of output file in case of digitaloutput. ■ GROUP3 ■ GROUP4 ■ PACKBITS ■ LZW. The field is empty for print jobs and copy jobs. The field is empty for scan-to-file jobs without compression.
Output file size (FileSz)	text	9	Size of output file in bytes (including all pages incase of multi-page output files) in case of digital output. The field is empty for print jobs and copy jobs.

Parameter	Type	Length (max)	Description
Output file destination (FileDst)	text	255	Name of the destination for the output file as used in the Océ Scan Manager, in case of digital output. If multiple pages in one job have the same destination file, a multi-page file is generated. The field is empty for print jobs and copy jobs.
Output resolution (width direction)	num	4	The resolution of output in width direction, in dpi.
Output resolution (height direction)	num	4	The resolution of output in height direction, in dpi.
Completion ID (CmpId)	num	8	The completion ID indicates the instance number of the job. Starts at 1. More than 1 job instance occurs when the jobs are restarted from the history queue.
Output color mode(ColMod)	text	255	The color mode of the job. ■ color ■ MONOCHROME
Output quality mode(QualMod)	text	255	The quality mode of the job. ■ CHECK ■ RELEASE ■ PRESENTATION.

Parameter	Type	Length (max)	Description
Output content type(ContMod)	text	255	The content type of the print jobs ■ LINES/TEXT ■ AREA FILL ■ STANDARD ■ POSTER.
Image type (ImageType	text	255	The image type of the copy and scan-to-file jobs. ■ PHOTO ■ LINE ART ■ MAPS ■ ARTWORK ■ DARK ORIGINALS ■ BLUEPRINT.

[44] The fields in the standard CSV account log file

Note: *This table is a complete list of all standard fields for all systems. When a system does not support a function, the field remains empty.*

Account information for the media format

If a standard output media format is selected for a job, the values in the log file match the values in the following table: Any different values indicate that a non-standard media format was selected in the job.

Format name	Width (units of 1/72 inch)	Height (units of 1/72 inch)
A0 (33 x 47 ")	2384	3370
A1 (23 x 33")	1684	2384
A2 (17 x 23")	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 (10 x 14")	2004	2835
B2 (10 x 14")	1417	2004
B3 (10 x 14")	1001	1417
B4 (10 x 14")	709	1001
30 x 42	2160	3024
jis B1	2064	2920
jis B2	1460	2064
jis B3	1032	1460

Format name	Width (units of 1/72 inch)	Height (units of 1/72 inch)
jis B4	729	1032
jis B5	516	729

[45] Media format for output media

The width and the height values change position for output with landscape orientation.

Note: *The above list is not a list of supported media types and sizes. Not all systems support all the described media types and sizes.*

Appendix A
System specifications

Specifications of the Océ TCS400 printer

Technology	Multiple printhead thermal inkjet.
Printheads	10 Semi-permanent printheads with 208 nozzle ■ 4 Black printheads ■ 2 Cyan printheads ■ 2 Magenta printheads ■ 2 Yellow printheads.
True resolution	600 x 600 dpi
Ink tanks	400 ml disposable ink tanks
Ink level monitoring	Ink level indication on the printer operator panel and through Océ Remote Logic® Out of ink signaling
Print speed	Grayscale ■ 1 33x47" (portrait) per 1 minute and 10 seconds or 1.0 m^2/min Color ■ 1 33x47" (portrait) per 2 minutes and 20 seconds or 0.5 m^2/min
Maximum productivity	Grayscale ■ 55 m^2/h Color ■ 27 m^2/h
Minimum pen thickness	0.080 mm
Media sources	1 or 2 front loadable rolls
Media core diameter	2"
Maximum roll length	132 yards
Output delivery	Slide, accessible from the roll side

Output sizes	Width ■ DIN: From 17x23" to 33x47", 36", and 28x39" ■ ANSI: From 22" to 36" Length ■ 9.6 - 200 inches
Drawing margins	■ Leading and trailing strip: 5 mm ■ Left and right side: 3 mm
Width detection	Automatic
Media types	■ Uncoated: 20 - 30 lb. bond ■ Coated: 24 - 30 lb. bond ■ Specialties
Calibration	■ Automatic printhead alignment ■ Failing nozzle compensation ■ Unattended printing in the overnight mode.
Dimensions	58.44" x 29.72" x 78.4" (H x D x W)
Voltage	100-120 / 230 V
Frequency	50/60 Hz
Power consumption	■ EPA-sleepmode (printer and Océ Power Logic® controller, not including the monitor) < 39 W ■ Standby 110 W ■ In operation 160 W
Weight	363 - 396 lbs.
Safety approvals	TüV GS, CETECOM, CE, UL, (c)UL, CB, FCC Class B
Other	■ Maintenance cassette. ■ EPA Energy Star® compliant.

Specifications Océ TCS400 scanner

Technology	■ Free-standing console ■ Océ Image Logic® real-time image processing
Scan speed	Grayscale ■ 1.65 yards per minute Color ■ .55 yards per minute.
Optical resolution	508 dpi
Scan width	1,016 mm (40")
Original feed	Center loading
Original size	Minimum ■ 6" x 4" (L x W) Maximum ■ 200" x 44" (L x W).
Maximum media thickness	15 mm (0.6")
Exposure control	■ Exposure dark areas ■ Exposure light areas.
Scale method	■ Custom scale A range of 10% - 1000% (0.1% fixed step interval). ■ Automatic The output image fits on the selected output format. ■ 1 to 1. No scaling.
Input mode	■ Single sheet ■ Set
Number of copies	1 - 99 (scan once print many)
Image quality	■ Automatic background compensation ■ Equalize ■ Deskew.

Image editing	■ Mirroring ■ Horizontal shift ■ Vertical shift ■ Blueprint ■ Area selection.
Function	■ Pre-programming of next job ■ Programmable default settings ■ Standard cut, synchro cut and custom cut modes ■ Leading and trailing strip adjustment (0 - 16 inches) ■ Concurrent scanning and printing ■ Scan to file.
Scanner Maintenance Kit	■ Maintenance software (integrated in the Océ Power Logic® Controller) ■ Maintenance sheet.
Voltage	100-240 V
Frequency	50/60 Hz
Dimensions	51" x 25" x 64" (H x D x W)
Weight	104 kg
Safety approvals	TüV GS, CE, UL, (c)UL, CB, EMC Directive 89/336/EEC, FCC Class B

Supported media types and sizes

Introduction

Océ systems and materials are matched for optimal quality and performance. You are therefore recommended to use only approved Océ materials in the Océ TCS400. A full list of Océ materials for use in the Océ TCS400. The list includes plain paper, transparent paper, colored papers and different polyester films is available from your Océ representative.

Media types

The Océ TCS400 supports the following media.

Media name	Notes
Uncoated media	
Océ Draft Paper 20 lb. bond	
Océ Standard Paper 24 lb. bond	
Océ Check Bond Uncoated 20 lbs	US equivalent of Océ Draft Paper
Océ Deluxe Bond Uncoated 24 lbs	US equivalent of Océ Standard Paper
Coated media	
Océ Premium Grade 24 lb. bond	
Océ Color Bond Coated 24 lb. bond	
Océ Smart Matte Paper 100 45 lb. bond	
Special media	
Océ Smartfit Plus Photogloss 47 lb. bond	
Océ Tracing Paper 24 lb. bond	
Océ Translucent Bond 16 lb. bond	
Océ Translucent Bond 18 lb. bond	
Océ Monochrome Vellum 16 lb. bond	
Océ Monochrome Vellum 20 lb. bond	
Océ Color Vellum 20 lb. bond	

Media name	Notes
Océ Double Matte Film 95 µ	
Océ Double Matte Erasable Film 3 mil	
Océ Double Matte Erasable Film 4 mil	

Media sizes

	Maximum	Minimum
Media width	91.44 cm	24 inch
Roll length	110 yards	Not applicable

Specifications Océ Power Logic® controller

Océ Power Logic® controller hardware

Platform	Océ controller with embedded Windows® XP
Memory	256 Mb, expandable to 512 Mb
Hard disk capacity	40 GB. Two high speed hard discs, one dedicated to file spooling and one for set memory
Graphical user interface	Optional keyboard, mouse and monitor
Standard interface	10/100BaseT with RJ45
Optional interfaces	Token Ring 4/16 Mb
Network protocols	TCP/IP, SMB, IPX/SPX, FTP, LPD
Power consumption	Controller: < 75 W Monitor: 200 W
Electrical requirements	100-120 / 230 V, 50/60 Hz
Applicable software	Océ Power Logic® controller software

Océ Power Logic® controller software

The Océ Power Logic® controller software consists of a basic module and a print module.

Basic functions	File spooling on the controller. Concurrent receiving, processing and printing of digital jobs.
Basic applications	■ Océ Settings Editor ■ Océ System Control Panel ■ Océ Queue Manager ■ Océ Remote Logic® ■ Océ Print Exec® Workgroup LT
Optional	Account logging. Records jobs by user and account number. Information stored in a (ASCII or UTF-16) file for later use.

[46] Basic module

Print processing technology	Print Optimization Kernel (Poker)
Number of prints	1 - 999 Set memory: send once, process once, print many
Roll selection and switching	Manual Automatic
Print manipulation	Rotation Auto-scaling Positioning Pen management Trailing strip adjustment; add up to 400 mm
Color modes	■ Grayscale ■ Color
Quality modes	■ Check ■ Release ■ Presentation
Content modes	■ Lines & Text ■ Area fills

Image types	Color ■ Line art ■ Photo ■ Map ■ Artwork. ■ Grayscale ■ Line art ■ Photo ■ Dark original ■ Blueprint.
Printer transfer curves	Standard
Language sensing	Automatic Language Sensing (ALS)
Standard file formats	■ Vector: HPGL, HPGL/2, Calcomp ■ Raster: HP-RTL, TIFF 6.0, NIFF, CALS-I, NIRS, C4, ASCII
Cut length	■ Standard cut ■ Synchro cut ■ Custom cut
Optional	Adobe® PostScript 3™ PDF printing

[47] Print module

Specifications Océ Scan Logic®

Application	Océ Scan Manager, integrated scanning solution with Océ View Station LT
Scan destinations	Maximum of 10 destinations. ■ Scan to the local controller ■ Scan to a Microsoft® Windows network location with Server Message Block (SMB) ■ Scan to an internet location with File Transfer Protocol (FTP).
Resolution	72, 200, 300, 400, and 600 dpi.
File formats	■ TIFF ■ PDF ■ CALS-I.
Available file organization types for TIFF files	■ RAW ■ Stripped ■ Tiled.
Available file compression methods	TIFF file format ■ None (uncompressed) ■ Group 3 2D ■ Group 4 ■ Packbits. PDF file format ■ Group 4 ■ Flate. CALS-I file format ■ Group 4.

Available color depths	TIFF file format ■ Black & white, 1 bit per pixel ■ Greyscale, 8 bits per pixel ■ RGB, 24 bits per pixel. PDF file format ■ Black & white, 1 bit per pixel ■ Greyscale, 8 bits per pixel ■ RGB, 24 bits per pixel. CALS-I file format ■ Black & white, 1 bit per pixel.
Scan mode	Single scan.
File naming	Automatically generate unique file names for each scan.
Viewing	View scans at point of scanning.
Océ Image Logic®	The best scan quality for different image types.
Ease of use	Scan to file from the scanner operator panel. Scan directly to a local or a remote destination.
Requirements	768 Mb on the controller and a graphical user interface
Options	Océ View Station for editing and enhancement of scanned documents Océ Batch Processor for automated editing.

Specifications drivers and job submission software

Océ drivers

Software environment	Required driver	Remarks
Microsoft® Windows® 9.x, ME, 2000, NT 4.0, XP	Windows® Printer Driver	Generating HP-GL/RTL
AutoCAD® 14 (on all supported platforms)	Océ ADI	
AutoCAD® 2000/2001/2002 (on all supported platforms)	Océ HDI	
Graphical application software on Microsoft® Windows, Apple® Macintosh and Unix™ Postscript	Océ Postscript 3	

Optional application software

Function	Application software
Job submission	■ Océ Print Exec® Workgroup ■ Océ Print Exec® LT ■ Océ Print Exec® Pro ■ Océ Repro Desk
Viewing	■ Océ View Station LT ■ Océ View Station ■ Océ View Station and Batch Processor

Appendix B
Safety information

Instructions for safe use

Introduction

Océ designed products are tested in accordance with the strictest international safety standards. It is important that you observe the safety rules included in this appendix to help assure safe working with the Océ TCS400.

Maintenance

- Do not remove any screws from fixed panels.
- Do not do any maintenance activities other than the maintenance activities for the parts and the maintenance materials described in this manual.
- Do not place any liquids on the machine.
- Use maintenance materials and 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

Attention: *Do not move the machine yourself, but contact your Customer Service.*

It is recommended to connect only those products which meet the (inter)national product safety and radio frequency interference standards, and to use an attachment cable as specified by Océ.

- 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 TCS400 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 machine is not 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.
- When the machine is connected through a wall socket, place the machine near a wall socket that is easily accessible.
- When the machine is connected through a fixed connection to the electricity grid, the disconnect device in the fixed connection must be easily accessible.

Surroundings

- Make sure that the machine is placed on a level, horizontal surface of sufficient strength. See the Océ TCS400 safety data sheet in this appendix for information about the weight of the equipment.
- Make sure 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 or insufficiently ventilated. See the Océ TCS400 safety data sheet in this appendix for information about space and ventilation requirements.

General

- Always use materials recommended by Océ and developed for the Océ TCS400. Materials not approved by Océ can cause errors in your machine.
- Do not use the machine when it is emitting unusual sounds. Remove the plug from the power socket or turn off the fixed connection to the electricity grid and contact Customer Service.

Note: *This is a class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.*

Safety data sheets

Introduction

The disclaimer below applies to all safety data sheets in this manual. Contact your local Océ organization for questions about Océ products regarding health, safety and environment. You can find the address of your local Océ organization in appendix C of this manual.

Disclaimer

The safety data sheets in this manual have been compiled to the best of our knowledge. They are intended as a compact guide to the 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. It is the user's responsibility to contact Océ to make sure that the safety data sheets are the latest ones 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.

Note: *Not all safety data sheets were available at the moment this manual was published. The Océ organization in your country will be pleased to send you a copy of the missing sheets. You can find the address of the Océ organization in your country in appendix C of the user manual.*

Product safety data sheet Océ TCS400 printer

PRODUCT SAFETY DATA SHEET

Océ-USA, Inc.

Number E-756-a-US
Date August 2002

Model		**Océ TCS400**	
Description		console model, wide format inkjet printer	
Max. process speed		1.0 A0/min	
Dimensions	**Width**	1960 mm	
	Depth	743 mm	
	Height	1461 mm	
Weight		180 kg	
Voltage		230 V	120 V
Frequency		50-60 Hz	50-60 Hz
Current-rated		2.0 A	3.5 A
Building fuse		16 A	16 A
Power consumption, stand-by		110 W	
Power consumption, operation		160 W	
EPA ENERGY STAR®			
*** Power consumption sleep mode**		< 39 W (exclusive of the controller: 46 W)	
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)		28 dB(A)	main body 50 dB(A)
Sound power level		44 dB(A)	main body 65 dB(A)
Radio interference		Complies with Directive 89/336/EEC and FCC rules and regulations, part 15 Class A.	
Radiation		not applicable	
Heat emission		Standby 110 W; at continuous operation 160 W	
Ozone emission		not applicable	
Room volume		Recommendation: min.15 m^3	
Room ventilation		Recommendation: min. 7,5 m^3/h (natural ventilation)	
Consumables		Océ TCS400 Inks (Océ Material Safety Data Sheet E-235)	
Additional safety information		None	

Listed according to standard UL 1950 and CAN/CSA-C22.2 No.950

c UL us LISTED 927F INFORMATION TECHNOLOGY EQUIPMENT E 69871

EPA ENERGY STAR® energy

The content of this safety data sheet is subject to the disclaimer of liability on page (see '*Disclaimer*') of this manual.

Material safety data sheet Océ inksOcé TCS400

This safety data sheet was not available at the time this manual was published.

Product safety data sheet Océ TCS400 scanner

PRODUCT SAFETY DATA SHEET

Océ-USA, Inc.

Number E-760-a-US
Date June 2003

Model	**Océ TCS400 Scanner**
Description **Scan width** **Scan speed**	Wide format color scanner 40" 0,5 m/min
Dimensions **Width** **Depth** **Height** **Weight**	1340 mm 490 mm 1070 mm 102 kg
Voltage **Frequency** **Current-rated** **Power consumption, plug-in** **Power consumption, stand by** **Power consumption, operation** **Mains connection** **Safety class** **Protection class**	100-240 V 50-60 Hz 1.1-0.45 A 58 W (incl user interface) 104 W (incl user interface) 119 W (incl user interface) Cable with plug I (IEC 536) Protective earth connection IP X0 (IEC 529)
Sound pressure level (at operator position) **Sound power level** **Radio interference** **Radiation** **Heat emission** **Ozone emission**	**Standby** **In operation** 26 dB(A) main-body 51 dB(A); impulse L_i =8 dB(A) 37 dB(A) main-body 61 dB(A) Complies with Directive 89/336/EEC and FCC rules and regulations, part 15 Class A. Below the Threshold Limit Values for UV, Visible and IR radiation (TLV list of ACGIH) Standby 104 W; in operation 119 W Not applicable
Room volume **Room ventilation** **Use simulation at random operation**	Recommendation: min. 15 m^3 Recommendation: min. 7.5 m^3/h (natural ventilation) Not applicable
Consumables	Not applicable
Additional safety information	None

Listed according to standard UL 1950 and CAN/CSA-C22.29 No.950

The content of this safety data sheet is subject to the disclaimer of liability on page (see '*Disclaimer*') of this manual.

EPA ENERGY STAR®

Introduction

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 printer model meets the ENERGY STAR® guidelines for energy efficiency.

See the Product Safety Data Sheet in this appendix for power use data.

Attention: *If this printer is upgraded to a multifunctional device by adding a wide format color scanner, the system does not comply with the ENERGY STAR sleep mode specification for a wide format multifunction device. The Energy Star® logo which appears in the printer operator panel only refers to the printer.*

The EPA ENERGY STAR® Criteria for printers involves the following feature.

- Sleep mode
  The power use of some functions is automatically decreased to save energy. The printer enters the sleep mode 30 minutes after the last print job is completed. The key operator can adjust this default time within a range between 30 and 240 minutes.
  It is suggested that you determine the appropriate default time for your work pattern by changing the setting in increments of 30 minutes and testing each setting for at least a week. If, due to your usage pattern, a 240 minute limit still causes sizable inconvenience, the key operator can disable the sleep mode.

ENERGY STAR® is a U.S. registered mark.

Appendix C
Miscellaneous

Reader's comment sheet

Questions

Have you found this manual to be accurate?
O Yes
O No

Were you able to operate the product, after reading this manual?
O Yes
O No

Does this manual provide sufficient background information?
O Yes
O No

Is the format of this manual convenient in size, readability and arrangement (page layout, chapter order, etc.)?
O Yes
O No

Could you find the information you were looking for?
O Always
O Most of the times
O Sometimes
O Not at all

What did you use to find the required information?
O Table of contents
O Index

Are you satisfied with this manual?
O Yes
O 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 your comments by E-mail to: itc-userdoc@oce.nl

For the addresses of local Océ organizations see: http://www.oce.com

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