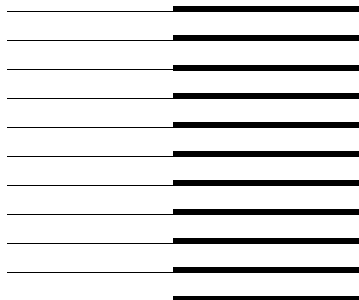




Océ VarioPrint® 2090

User manual





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Notes for the reader

Introduction

This manual helps you to use the Océ VarioPrint 2090 . The manual contains a description of the Océ VarioPrint 2090 and guidelines to use and operate the Océ VarioPrint 2090 . There are also tips to increase your knowledge of the Océ VarioPrint 2090 and to help you manage the workflow even better.

Definition

Attention Getters

Parts of this manual require your special attention. These parts provide important, additional information or are about the prevention of damage to your properties.

Note, Attention and Caution

The words **Note**, **Attention** and **Caution** indicate these important parts.

- The word **Note** comes before additional information about the correct operation of the Océ VarioPrint 2090 or before a hint.
- A part marked with **Attention** contains information to prevent damage to items, for example the Océ VarioPrint 2090 or a file.
- A part marked with **Caution** contains information to prevent personal injury.

Safety information

The safety information for this product is included in a separate manual with the title **Safety manual**. This manual is part of the documentation set that you received with your product.

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Chapter 1

Introduction



About the users of the Océ VarioPrint 2090

Introduction

Information for operators, key operators, system administrators

For the purpose of this User manual, the following target groups are defined.

- Operators (including general users)
- Key operators
- System administrators.

The target group for the information or task in a section is indicated at the top of that section.

Tasks of the types of users

Types of users	Examples of tasks
Operators	■ Create print jobs, copy jobs and scan jobs ■ Process print jobs, copy jobs and scan jobs
Key operators	■ Handle errors on the Océ VarioPrint 2090 ■ Manage the key operator settings in the Océ Settings Editor
System administrators	■ Configure the Océ VarioPrint 2090 in the network ■ Manage the system administrator settings in the Océ Settings Editor

[1] Tasks of the users

Available documentation

The documentation set of the Océ VarioPrint 2090

Information for operators, key operators, system administrators

Océ delivers the Océ VarioPrint® 2090 with a documentation set.
The documentation set for the Océ VarioPrint 2090 contains the following items.

Item	Description
User manual	The User manual describes the workflow of print jobs, copy jobs and scan jobs. ■ Print from the mailbox ■ Print directly to the Océ VarioPrint 2090 ■ Make simple and advanced copies ■ Convert analogue documents into digital documents (scan to file) ■ Add the supplies ■ Solve possible errors The manual also contains general information about the system. ■ Configuration, workflow and structure of the Océ VarioPrint 2090 ■ Turn on, turn off and restart the system ■ Product specifications, originals and copy materials to use
Safety manual	The multilingual Safety manual gives information about safety issues. ■ Instructions for safe use ■ Safety data sheets ■ EPA Energy Star®

Item	Description
Quick Reference Card	The Quick Reference Card contains basic instructions for new users who are not experienced with the Océ VarioPrint 2090 . The card contains information about the following tasks. ■ Print from the mailbox ■ Make a copy ■ Scan an original to a file
CD-ROM	The CD-ROM contains a digital copy of the User manual, the Safety manual and the Quick Reference Card.
On-line help	The Océ VarioPrint 2090 contains the following types of on-line help. ■ An on-line help on the operator panel. The on-line help on the operator panel gives experienced users more information about advanced functions of the Océ VarioPrint 2090 . The Help key  on the operator panel gives access to this on-line help. ■ An on-line help in the Océ Settings Editor application on the Océ Smart Imager. The User manual sometimes refers to settings in the Océ Settings Editor. The Océ Settings Editor allows key operators and system administrators to change the default system settings. Key operators and system administrators can refer to the on-line help in the Océ Settings Editor for more information about the settings. ■ An on-line help in the printer driver (PCL and PostScript®) of the Océ VarioPrint 2090 .

[2] The documentation set

The concepts and philosophy

Definition

Information for operators, key operators, system administrators

The Océ VarioPrint 2090 is a high-volume black and white system. The system is based on the successful Océ 31x5. The system has improvements in productivity, in paper input, document finishing and document output. The printer supports, by default, PCL5e. Adobe® PostScript® (optional) is also supported.

Introduction

In this section you find an explanation and description of the main concepts, and the philosophy behind the concepts that are applied in the Océ VarioPrint 2090 .

Automatic print jobs and interactive print jobs

The Océ VarioPrint 2090 allows you to send your print jobs directly to the job queue. The jobs in the job queue are printed without operator intervention. This type of printing is called automatic printing. You can also send your print jobs to the mailbox. You must first select a job in the mailbox to print the job. You can also edit the settings of the jobs in the mailbox. This type of printing is called interactive printing. You can indicate the destination in the printer driver.

The key operator can define various print settings in the Océ Settings Editor. For example the following.

- Define the default destination of the print jobs (the mailbox or the job queue).
- Remove automatic or interactive print jobs from the job queue.

The mailbox

The mailbox is what makes the Océ VarioPrint 2090 **everybody's personal printer**. The mailbox is a user-specific storage area for print jobs. You (each user) can print these mailbox print jobs from any networked location at any time.

Cost reduction

The philosophy of the mailbox brings a number of benefits for the user. For example, all jobs are grouped by user. This means that you do not need any banner pages when you print a job on the system. The mailbox also reduces the paper mess near the system, because you print on demand.

Flexibility

The mailbox offers you flexibility. You can change the settings locally on the operator panel before you print your job. You can also indicate in your printer driver that you want to print a secured print job on the system (PIN code needed to start the job).

Efficiency

The mailbox offers you efficiency. You can send your print job at any time, and print later. Send a job once and print many. You can make proof prints, which enable you to check the print before you print many. The system allows you to give priority to mailbox jobs.

The user manual gives you detailed information about the workflow of a job to the mailbox (see '*Print a job from the mailbox*' on page 81).

Next job

Whether it is an analogue or digital job, the comprehensive job queue system (called the Factory) increases the daily production on the system. The job queue enables you to prepare jobs in advance. The jobs are created and sent to the job queue while other jobs are prepared to be printed.

Next job preparation is independent from print production. Scanning, printing and processing is done at the same time, which keeps the system active and enables the processing of a wide variety of jobs.

Set Logic (set-build)

Océ Set Logic enables you to handle hardcopy originals on the Océ VarioPrint 2090 in an effective way. Océ Set Logic allows you to define subsets within the document (page programming).

The Océ VarioPrint 2090 allows you to combine different originals or subsets into one analogue or digital document, for example a report or book.

- Different original size.
- 1-sided and 2-sided originals.
- Different paper types.

You can change 1-sided originals into 2-sided documents. If the originals result in an odd number of pages, the Océ VarioPrint 2090 detects this. An odd number of pages can result in an empty page between the subsets.

- **Concatenation**

You decide to print the next subset on this empty page (do not keep the empty page).

- **Chapterization**

You decide to keep the empty page and start the next subset on a new sheet (a new chapter starts on a new sheet).

Océ Image Logic

The system detects and adjusts photos and fine lines on the original with the unique Océ Image Logic technology. The Océ VarioPrint 2090 processes even complex originals with only one push of a button into prints of excellent quality.

The paper trays

For the Océ VarioPrint 2090 a complete new paper unit is introduced. The following table shows the changes and advantages of this new concept.

Feature	Description
Refill during run	No loss of productivity when you reload the paper trays.
Paper tray linking	Print long runs without reload of the paper trays (you can link trays that contain the same paper type).
Front loading	The paper trays are easy to access at the front of the system (less floor space required).
Uniform paper input	All the trays have the same orientation of the paper. This system simplifies the task of loading the paper trays. You also avoid misprints because the paper is always loaded the same way. ■ Face down ■ Header up
Flexible paper trays	All the trays can contain the same variety of media types. ■ 90 degrees rotation allows you to feed the paper in both short edge feed (SEF) as well as long edge feed (LEF), the information on the prints and copies can always be read. ■ Air separation in the trays makes the paper trays suitable for special paper.

The finisher

The finisher has two general output destinations. There are 4 output trays and there is 1 upper output tray.

- Jobs that only use long edge feed (LEF) paper (A4 or Letter Std) go into the output trays.
- Other jobs and jobs that need multiple sheet sizes go into the upper output tray.

Offset stacking

If the sets in a job have more than one page, the sets are offset stacked. For stapled sets, offset stacking increases the capacity and stacking quality of the output sets.

Behaviour of the output trays

The key operator can define the deposit behaviour of the output trays in the Océ Settings Editor.

- Deliver the output from top to bottom.

The print jobs are delivered to the output trays in a top to bottom manner. The print jobs are first sent to the highest output tray. When the first output tray is full, the print jobs are sent to the next tray below. This behaviour continues until all the print jobs are delivered.

This option can be preferred in a central environment. The capacity of the output trays is used in an optimal way. The system remains productive as long as possible without the intervention of an operator.

- Deliver the output bottom up.

The Océ VarioPrint 2090 sends the print jobs to the first output tray located above the bulk tray. If this output tray is full, the Océ VarioPrint 2090 sends the print jobs in a bottom up manner to the next output tray located above the tray that is full. This behaviour continues until the highest output tray is also full. When the three highest trays are full, the print jobs are sent to the lowest tray, which is the bulk tray.

This option can be preferred in a decentral environment. The output is delivered in a more logical order. The documents are sorted in the order in which they were produced. The documents are put face down into the output trays. The user can find the documents quicker and easier.

Chapter 2

Get to know the Océ VarioPrint 2090



The configuration

Introduction

Information for operators, key operators, system administrators

The Océ VarioPrint 2090 allows you to copy and print your jobs. You can add the optional scan-to-file function.

When your system only supports the copy and print function, the basic view of the operator panel displays the templates 'Copy' and 'Print from mailbox...'. .

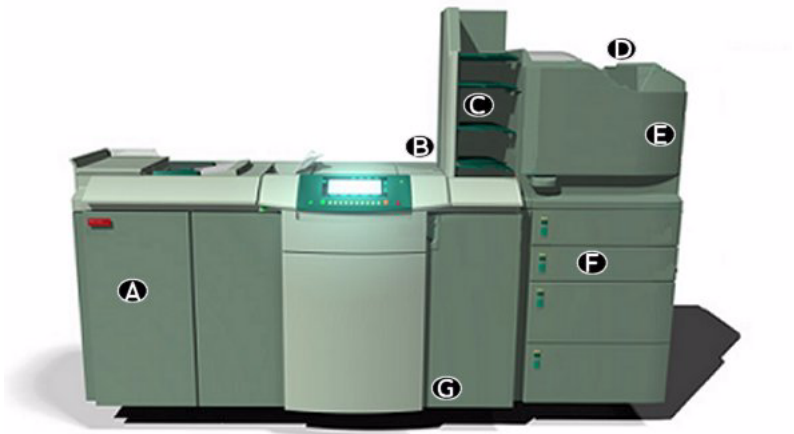
When the optional scan-to-file function is installed, the basic view of the operator panel displays the templates 'Scan', 'Copy' and 'Print'.

The templates 'Print from mailbox...' and 'Print' give access to the mailbox of the Océ VarioPrint 2090 .

The Océ VarioPrint 2090 has the following functional units.

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

The printer



[1] The printer

Part	Description	Function (for example)
A	Left front door	Access to the toner unit
B	Top left cover of the printer. The top right cover of the printer is situated under the output trays	Access to the paper path to solve paper jams
C	Output trays	Receive the printed documents
D	Upper output tray	Receive the error prints, the clean job sheets and other formats than A4 or Letter
E	Finisher front door	Access to the staplers and the finisher areas labelled D and E
F	Paper trays	Contain the paper. Open the paper trays to add the paper
G	Front doors	Access to the areas inside the system labelled A, B and C. Open the front doors to handle errors

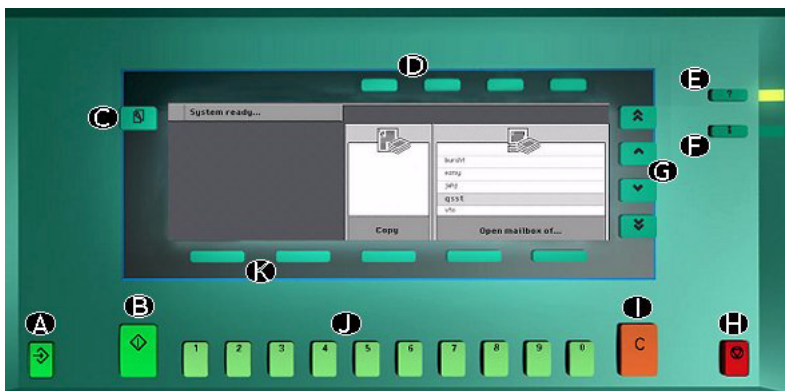
The scanner



[2] The scanner

Part	Description	Function (for example)
A	Top left cover of the scanner	Access to the original section. Here you can handle original errors
B	Automatic document feeder	Feed the originals
C	Original receiving tray	Hold the scanned originals
D	Cover handle	Access to the glass plate. Open the scanner cover to copy or scan from the glass plate

The operator panel



[3] The operator panel

Part	Description	Function (for example)
A	Set-build key	Define subsets within the document (page programming). Join different originals, subsets, into one digital document, for example a report or book that contains some of the following items. ■ Different original sizes ■ 1-sided and 2-sided originals ■ Different paper types (for example colour or special front)
B	Start key	Send a print job or copy job to the job queue. Start a scan job
C	Job queue manager key	Open and close the job queue manager. You can use the job queue manager to view, delete or give priority to the waiting print jobs
D	Function keys	Scroll through the sections to make original and print settings
E	Help key	Access the on-line help function

Part	Description	Function (for example)
F	System information key 	Open the 'System monitor' and the 'System manager' (during normal operation the 'System monitor' is not on the screen). The LED next to the key indicates that the 'System information' is active. To close the 'System information' view, either press  again or press 'Close' (the rightmost key at the top of the screen). The 'System monitor' includes the following items. ■ Message area for text messages ■ Paper level icons for each tray of the four paper trays ■ Paper type information for each tray of the four paper trays: - Size - Special type (cover and special) ■ Warnings for a low level of the supplies: - Toner - Staples in stapler 1 - Staples in stapler 2 - Staples in the off-line stapler. The 'System manager' displays the following functions. ■ Lock and unlock the paper trays ■ Shut down the system Note: When the low toner level indicator is on, the 'Toner refill' key is active.
G	Arrow keys  ,  ,  and 	Use these keys to navigate through the mailbox and on-line help, or to change values in the job editor. ■ Press  to increase the value in minimum step sizes ■ Press  to decrease the value in minimum step sizes ■ Press  to increase the value in predefined steps ■ Press  to decrease the value in predefined steps

Part	Description	Function (for example)
H	Stop key 	Stop the current print job. ■ Press one time to stop the job after a complete set ■ Press two times to stop the job as soon as possible, within a set
I	Correction key 	Make corrections when you edit a job. ■ Press one time to set the number of prints to 1 ■ Press two times to reset all the job settings to the default values ■ Press three times to cancel the job or the last subset Stop a scan process
J	Numeric keys	Enter the number of copies and prints Enter PIN codes Navigate through the on-line help
K	Function keys	Define original and print settings React to the messages on the operator panel

The power modes

Introduction

Information for operators, key operators, system administrators

The main power modes of the Océ VarioPrint 2090 are the following.

- Off
- Low power mode
- Sleep mode.

The low power mode and the sleep mode are the energy save modes of the Océ VarioPrint 2090 .

Note: *The key operator can change the settings in the Océ Settings Editor. The on-line help in the Océ Settings Editor contains more information about how to change the settings.*

OFF

The Océ VarioPrint 2090 is completely turned off.

You can not reach the system through the network.

You must press the power switch  to turn on the system (see 'Turn on the system' on page 36).

Low power mode

When the printer is in low power mode, the power consumption is decreased to a lower level.

The operator panel on the printer displays a screen saver with the text 'Energy save mode'.

You can not disable the low power mode.

The system goes in the low power mode in the following situation.

	When
1	The Océ VarioPrint 2090 was not used for a defined time Note: <i>This time is defined in the Océ Settings Editor. The key operator can set a time between 1 and 240 minutes in steps of 1 minute. The factory default is 15 minutes.</i>

[3] System goes into the low power mode

The system returns from the low power mode in the following situations.

	When
1	You press a key on the operator panel
2	You send a print job. Sometimes the system remains in the low power mode when you send a print job. This event can occur when the print job is forced to the mailbox.

[4] System returns from the low power mode

Note: *The system needs 30 seconds to warm up.*

Sleep mode

When the system is in sleep mode, the power consumption is decreased to a very low level.

The operator panel on the printer is off. The On/Off button  on the printer is amber.

The system goes in the sleep mode in the following situations.

	When
1	The Océ VarioPrint 2090 is not used for a defined time Note: <i>This time is defined in the Océ Settings Editor. The key operator can set a time between 1 and 240 minutes in steps of 1 minute. The factory default is 90 minutes.</i>
2	You press the On/Off button  on the printer

[5] System goes into the sleep mode

The system returns from the sleep mode in the following situations.

	When
1	You press the On/Off button  on the printer
2	An automatic print job (AP) arrives in the job queue. Sometimes the system remains in the sleep mode when you send an automatic print job. This event occurs in the following situations. ■ A PIN code protects the sleep mode ■ The automatic print job is forced to the mailbox (defined in the Océ Settings Editor)
3	You send a print job (only when the setting 'Automatic wake-up' in the Océ Settings Editor is enabled)

[6] System returns from the sleep mode

Note: *The system needs a couple of minutes to warm up.*

The on-line help on the operator panel

Introduction

Information for operators

The operator panel has an on-line help. The on-line help contains information that helps you to improve the productivity of your system. The on-line help describes the more advanced functions of your system.

About the on-line help

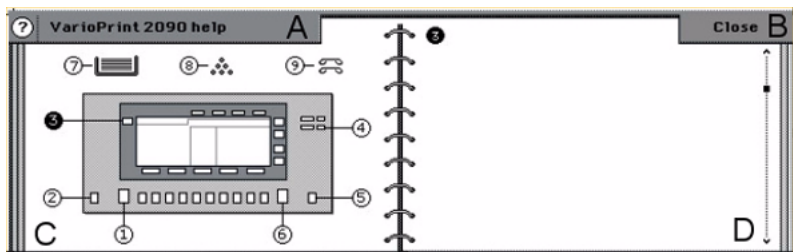
You must press the Help key  on the operator panel to access the on-line help. When the on-line help is open, the green LED at the right-hand side of the help key  is on.

The on-line help uses the whole screen of the operator panel. The other settings are hidden.

The on-line help is always available, even when an error occurs.

When the on-line help is open, no error messages or other messages are displayed. You must close the on-line help to read the messages.

The sections in the on-line help



[4] The on-line help

The following table describes the sections in the on-line help.

Secti on	Description
A	Shows the title of your current on-line help topic.
B	Press the function key 'Close' to quit the on-line help.
C	The left-hand pane displays a numbered overview of the operator panel. Above the operator panel, the screen displays the icons for paper, toner and staples.
D	The right-hand pane contains the information. The bookmark indicator displays the current position within the topic.

[7] The sections in the on-line help

Navigate in the on-line help

Key	Function
Help key 	Access and quit the on-line help. Note: <i>You can also press the function key 'Close' to quit the on-line help.</i>
Numeric keys	The numbers in the left-hand pane of the on-line help match the numeric keys on the operator panel. Press the matching key on the operator panel to get more information about the supplies or the functions of the keys. Note: <i>Press the numeric key 0 to return to the start section.</i>
Arrow key 	■ Scroll up to the beginning of the section. ■ Scroll to the beginning of the previous section when you are at the beginning of the current section.
Arrow key 	Scroll 1 line up.
Arrow key 	Scroll 1 line down.
Arrow key 	Scroll to the beginning of the next section.
Function key 'Close'	Quit the on-line help. This key is available in all the topics. Note: <i>You can also press the Help key  to quit the on-line help.</i>

[8] Navigate in the on-line help

The 'System information' section

Introduction

Information for operators

You can use the System information key  to access the 'System information' section. The 'System information' section contains two sections. The left-hand pane displays the 'System manager'. The right-hand pane displays the 'System monitor'.

The following tables give an overview of the items in the 'System information' section.

Section	Function
'System' section	■ Shut down the system ■ Lock and unlock the paper trays
'Toner refill' section	Confirm the refill of the toner

[9] The items of the 'System manager' section

Section	Function
The warning section	The warning section is the left-hand part of the 'System monitor'. This part contains information about the level of the staplers and the toner level
The paper section	The paper section is the right-hand part of the 'System monitor'. This part contains information about the paper types in the paper trays and the levels of the paper in the trays

[10] The items of the 'System monitor'

The icons in the warning section

Icon	Description
	The stapler contains sufficient staples. The number indicates which stapler is OK
	The stapler is empty. The number indicates which stapler is empty
	The toner level is OK
	The toner reservoir is empty

[11] The icons in the warning section

The icons in the paper section

Icon	Description
 or 	The horizontal lines are an indication of the level of the media in the paper trays. Each horizontal line indicates approximately 100 sheets (80 g/m ² , 20 lb bond)
 or 	The paper tray is empty
 or 	The plate inside the paper tray moves up or down. For example before or after you load the paper
 or 	The paper tray contains more paper than the maximum allowed amount of paper. Remove the excess sheets
 or 	The paper tray contains a paper size or paper orientation that the printer can not process. The paper is not supported
 or 	The icons indicate the feed direction of the paper (short-edge feed or long-edge feed)
	The paper tray contains covers
	The paper tray contains 'My Paper'
	The paper tray contains special paper
	The paper trays are locked
	The paper trays are unlocked

[12] The icons in the paper section

Chapter 3

Turn on and off the system



Turn on the system

Introduction

Task for operators

The system has the following switches and buttons (see the illustration for the correct location).

- Power switch 

You can find the power switch at the left-hand side of the printer. The power switch cuts and connects the power to the complete system.

- On/Off button with amber and green LED 

The On/Off button allows you to toggle the status of the system between the stand-by mode and the sleep mode. This action is only possible if the power switch  is in 'I' position and the startup phase was done. After the startup phase, the operator panel displays 'Copy' and 'Print from mailbox...' or 'Scan', 'Copy' and 'Print'. What the operator panel displays, depends on the configuration of your system.



[5] Turn on the system

In the table below you find the state indicators of the LED in the On/Off button and the state indicators of the LEDs at the right-hand side of the operator panel.

Note: *When the system is in the sleep mode, you must wake up the system to process the jobs (see 'The power modes' on page 26).*

Power state	On/Off button	LEDs at the right-hand side of the operator panel
Off	Off	Off
Controller initializing	Amber blinking	Green (in turns)
■ Sleep mode ■ Safety sleep mode ■ Fatal error ■ Permanent error	Amber	Off
■ Low power mode ■ System initializing ■ System warming up ■ Stand-by mode ■ Process an automatic or interactive print job ■ Operator recoverable error ■ Run-time contradiction	Green	Off
Machine recoverable error	Amber	Off

[13] System state indicators

How to turn on the Océ VarioPrint 2090

- 1 Press the power switch  .
The system starts up. The following occurs.
 - The LEDs on the operator panel blink.
 - The screen of the operator panel is off / black.
 - The amber LED in the On/Off button  blinks.
- 2 Wait until the system asks you to press the On/Off button .
- 3 Press the On/Off button  .
The LED in the On/Off button  changes from amber to green.

Shut down the system

Introduction

Task for operators

Follow the shut-down procedure that is described in this part before you use the power switch  on the Océ VarioPrint 2090 . This procedure makes the system shut down in a controlled way.

Note: *To save energy, you can also put the Océ VarioPrint 2090 into sleep mode (see 'Sleep mode' on page 28).*

How to shut down the Océ VarioPrint 2090

- 1 Press the System information key  on the operator panel to open the 'System manager'.
- 2 Press the key for 'System' to select 'Shut down'.
The operator panel displays the message 'Are you sure you want to shut down?'.
- 3 Press the key for 'Yes'.
The printer starts to shut down.
The LED at the right-hand side of the operator panel changes from green to red.
Wait for the message 'When the light next to the System information key on the operator panel is off, you can turn off the system. Press Close to continue.'.
- 4 Press the key for 'Close' to continue the shut-down procedure. The following occurs.
 - The LED in the On/Off button  changes from green to amber.
 - The screen of the operator panel goes off.
 - The LED next to the System information key  goes off.
- 5 Press the power switch .

Restart the system

Introduction

Task for key operators, system administrators

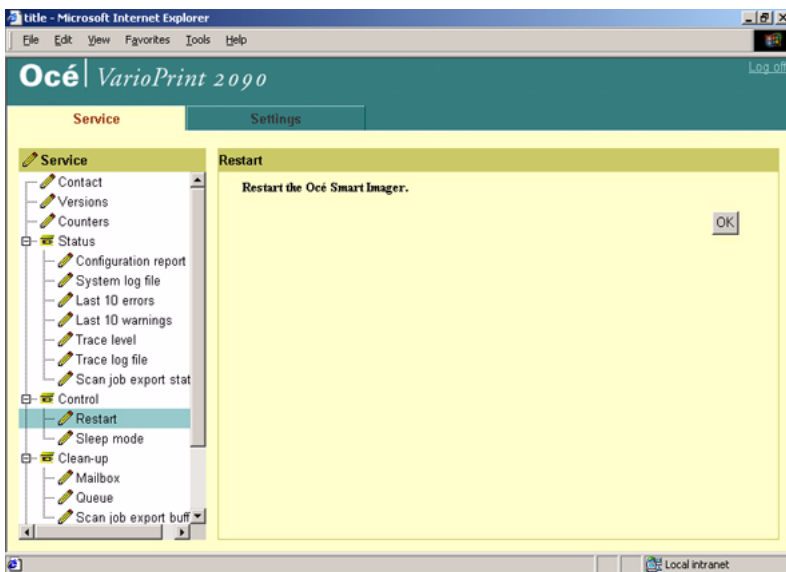
When you change settings in the Océ Settings Editor, the software may ask you to restart the system. A restart activates the new, changed settings.

If you restart the system, the following occurs.

- The Océ Settings Editor changes become active
- The jobs in the mailbox are saved
- The job number of new copy jobs and scan jobs is set to 1.

You must restart the system in the Océ Settings Editor. Follow the procedure below to restart the system.

Illustration



[6] Restart the Océ Smart Imager

How to restart the system

- 1 Start the Océ Settings Editor in your web browser.
- 2 Click 'Service'.
- 3 Click 'Control'.
- 4 Click 'Restart'.

The screen displays 'Restart the Océ Smart Imager'.

- 5 Click 'OK'.

The system restarts.

The screen of the operator panel displays the message 'When the light next to the System information key on the operator panel is off, you can turn off the system. Press Close to continue.'.

Note: *The system waits until all active jobs are finished.*

- 6 Press the key for 'Close' on the operator panel.
The printer goes into the sleep mode.
- 7 Press the On/Off button  on the printer to wake up the system.
The LED in the On/Off button  changes from amber to green.

Chapter 4

The accounting function



About the accounting function

Introduction

Information for operators, system administrators

The Océ VarioPrint 2090 has an accounting function that is available on the operator panel.

The system administrator must enable the accounting function in the Océ Settings Editor.

Note: *The system administrator can refer to the on-line help of the Océ Settings Editor for more information about how to enable the accounting function.*

The principles of accounting

Accounting is the allocation of costs for all types of jobs to an account. An account can for example represent a customer, a user, a department or a project. You can use the accounting function to charge the costs for the jobs.

An 'Account ID' identifies an account. You must enter the 'Account ID' on the operator panel before you start a job. Then a log file is created on the Océ Smart Imager.

The Océ Settings Editor software on the controller contains an accounting section for the system administrator. The system administrator can retrieve the log file from the controller and export the file to an application, for example Microsoft® Excel.

The use of the accounting function

Reprographic departments often process the jobs for a particular customer in succession. The consecutive processing of these jobs is called a session. Sessions are the basis of accounting.

When you start your first job of the day, you must first enter the 'Account ID' for your first customer. Then you can start to process the jobs. The 'Account ID' remains valid until you enter a new 'Account ID', or the time-out of the operator panel has expired, or you press the Correction key .

You can enter an 'Account ID' in your printer driver and send the job to the mailbox. Make sure that you cancel the current 'Account ID' of the session before you print that job from the mailbox. Otherwise, the current 'Account ID' of the session overrules the 'Account ID' that you indicated in the printer driver.

Note: *Automatic print jobs that do not have a valid 'Account ID' are automatically sent to the mailbox. You must enter a valid 'Account ID' to print the job.*

The accounting log file

When you use accounting, an accounting log file is created on the Océ Smart Imager. The .acl file is the current accounting file that the system uses to store the accounting information. This file remains active for 24 hours. The file is converted at 0:00 hours to a .csv file and added to the list of links. The controller can store a maximum of 99 log files. The oldest file is removed when the limit is reached.

The log file records the information in a comma separated file (.csv file). For example the following information is recorded.

- Account ID
- Job name and job type (copy job, scan job, interactive print job, automatic print job)
- Time and date
- Paper sizes
- 1-sided or 2-sided jobs

The system creates .csv files. The system administrator can define the field separator (comma or semicolon) in the Océ Settings Editor.

The .csv file format is based on a text file format that consists of a sequence of lines of text. A line of text is an ordered sequence of characters. The last characters indicate the end of line.

Note: *Cancelled jobs are also logged.*

The tasks of the system administrator for the accounting function

The system administrator can define a number of accounting settings in the Océ Settings Editor. The following table displays the main settings in relation to accounting.

Person responsible	Tasks
System administrator	■ Enable the 'Account ID' setting. ■ Enable the account ID check. When an account ID file is uploaded to the Océ Smart Imager and the account ID check is enabled, the system checks the validity of the account IDs that are entered on the operator panel. ■ Upload the account ID file to the Océ Smart Imager. ■ Download the account ID file from the Océ Smart Imager to make changes in the file. ■ Download the account log files.

[14] System administrator tasks for accounting

Enter and cancel an 'Account ID'

Introduction

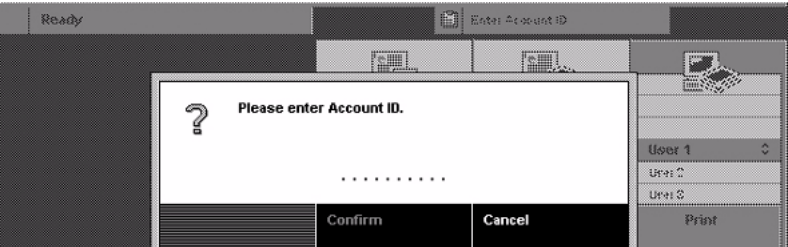
Task for operators

You can enter the 'Account ID' with the function key on top of the operator panel before you start to process your job. When you press a key first, a forced dialogue appears that asks you to enter the 'Account ID'.

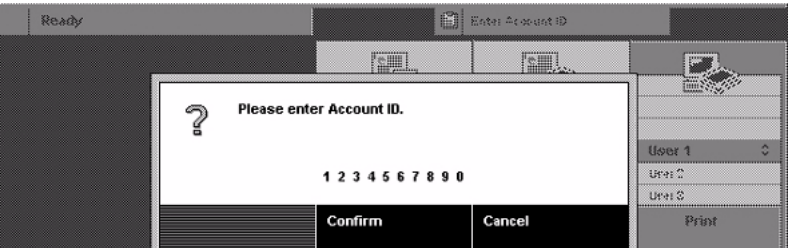
Note: When the setting 'Identification' in the 'Account settings' section in the *Océ Settings Editor* is enabled, the system checks the validity of the ID.

How to enter an 'Account ID' with the function key

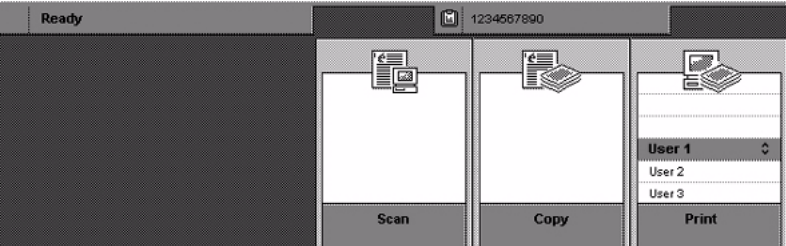
- 1 Press the function key 'Enter Account ID'.



- 2 Enter the 'Account ID' for the job (1 - 10 digits).



- 3 Press the key for 'Confirm'.
 You can start to process your jobs.



How to enter an 'Account ID' after a forced dialogue

When	Then
■ You select the 'Copy' template ■ You press the 'Edit...' key in the mailbox ■ You press the Start key  in the mailbox before you enter an 'Account ID'	A dialogue box appears. Enter the 'Account ID' (1 - 10 digits). Press the key for 'Confirm'. The system continues to process the job.

[15] Enter an 'Account ID' after a forced dialogue

How to cancel an 'Account ID'

Option	The current 'Account ID' is cancelled when
1	You use the function key 'Account ID' to enter a new 'Account ID'.
2	You press the Correction key  on the operator panel when the system is not scanning originals.
3	A time-out of the operator panel has occurred when no key was pressed for a certain period. Note: <i>The key operator can define the time-out in the Océ Settings Editor.</i>

[16] Cancel an 'Account ID'

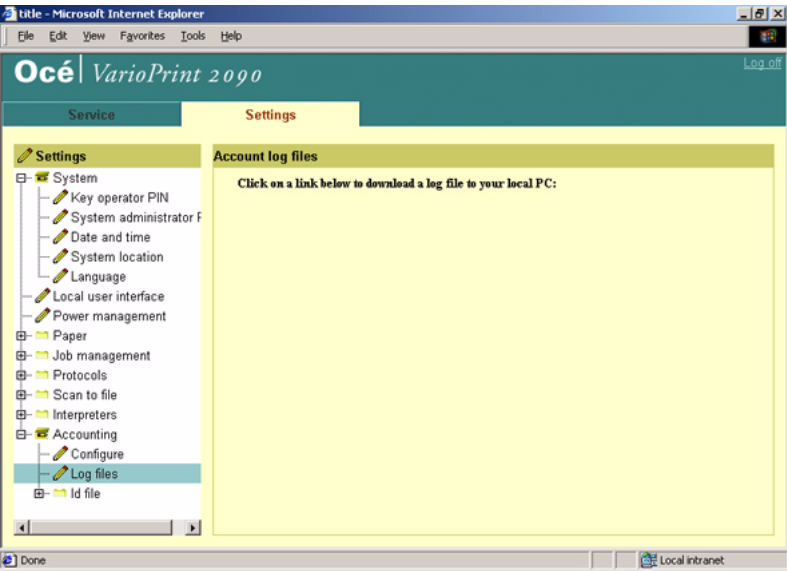
Download the accounting log files

Introduction

Task for system administrators

The accounting log file on the Océ Smart Imager contains the relevant job information. You can access the accounting log file through the Océ Settings Editor. You can download the file to a location of your choice. You can use for example Microsoft® Excel to open the file.

Illustration



[7] Download the accounting log files

How to download the accounting log files

- 1 Select 'Settings' in the title bar of the Océ Settings Editor.
- 2 Click 'Accounting'.
- 3 Click 'Log files'.
- 4 Click one of the links in the right-hand pane.
The file opens.

Note: *The .acl file is the current accounting log file that the system uses to store the accounting information. The file remains active for 24 hours. The file is converted at 0.00 hours to a .csv file. The .csv file is added to the list of links. The controller can store a maximum of 99 log files. The oldest file is removed when the limit is reached.*

Make a copy or print with the copy card

Introduction

Task for operators

You can use the Océ VarioPrint 2090 in combination with a separate copy count device. The key operator must enable the copy count device in the Océ Settings Editor.

You can use the copy count device as a prepaid credit system or a post-paid debit system. The prepaid system requires copy cards with credit units. The post-paid system uses an account number.

Prepaid system

The prepaid system uses a copy card that contains credit units. When you make a print, this print is subtracted from the credit value on your card. When the card runs out of credit units during a print job or copy job, the system stops printing and displays a message. You must add credit units or insert a new card.

Post-paid system

The post-paid system uses an account number that you must enter at the start of a job.

How to make a copy with the copy card

- 1 Insert the copy card into the copy count device.
- 2 Select a job from the mailbox. You can also create a copy job with the Start key .
- 3 Press the Start key . The job is sent to the job queue.

Note: *If you run out of credit units during a job, the system stops the job and asks you to refill the credits on your card or insert a new card.*

Chapter 5

The job queue



About the job queue

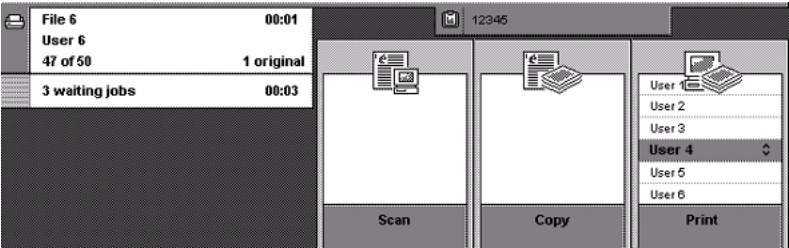
Introduction

Information for operators

The job queue is a summary of the job queue manager. If the job queue manager contains one job or more, the job queue is visible on the left-hand side of the operator panel. The job queue and the job queue manager allow you to manage the print jobs and the copy jobs. The Océ VarioPrint 2090 handles multiple tasks which makes the machine a highly productive system. As soon as you start a print job or a copy job with the Start key  on the operator panel, the jobs are sent to the job queue. The job queue allows you to check the status of your jobs.

If you want to access the full information of the job queue, you must open the job queue manager view with the job queue manager key  on the left-hand side of the operator panel.

Job queue view



[8] Job queue view

The job queue view gives summarized job information and allows you to check the following information about the jobs.

Information displayed in the job queue	Description
Status icon	The icon indicates whether the job is printing or scanning. The icon can also indicate that there is a problem, for example the stapler runs empty (for example runtime contradiction, start contradiction).
Number of originals	The number of sheets of the original document is indicated.
Progress indication	The progress of the pages that are printed is counted. The total number of pages is displayed.
Estimated duration	The estimated duration of the jobs is indicated in minutes. The time is cumulative. For example, 00:03 indicates that the job will be printed in about 3 minutes from now.
Collapsed jobs	The bottom line indicates if there are more jobs, that are not displayed. These jobs are collapsed. You can access these jobs with the arrow keys at the right-hand side of the operator panel. If you scroll down, the collapsed jobs will be displayed and the jobs at the top of the view are collapsed.

[17] Job queue information

Job queue manager view

	File 4 User 4 43 of 50 1 original	00:01							Close
	File 4	00:01				•			
	File 5	00:02				•			↕
	File 6	00:03				•			
			Delete			Move to top		 Interrupt	

[9] Job queue manager view

The job queue manager view gives more detailed job information than the job queue view. The table below describes the information that is visible in the job queue manager.

Information in the job queue manager	Description
Paper trays	The four columns represent the paper trays. A bullet in the column indicates that the job uses this paper tray
Staple	This column indicates that the job has 0, 1 or 2 staples
Messages	Displays a warning if there is runtime contradiction or a start contradiction

[18] Job queue manager information

The job queue manager also allows you to manage the jobs in the job queue manager. The table below describes the functions in the job queue manager.

Function	Description
'Delete'	This function allows you to delete jobs from the job queue. Note: <i>You can not use this function to delete a job that is currently being printed</i>
'Move to top'	The function allows you to give priority to a job (see ‘Give priority to jobs’ on page 55). The selected job is printed when the current print job is ready
'Interrupt' + 'Move to top'	The function allows you to give priority to a job (see ‘Give priority to jobs’ on page 55). The selected job is printed when a set of the current print job is ready

[19] Job queue manager functions

Give priority to jobs

Introduction

Task for operators

The job queue contains jobs that wait to be printed. The job on top of the job queue is the current job that is printed.

You can interrupt the current job to give priority to an urgent job. Depending on the urgency of the job, you can select 'Move to top' or 'Interrupt'. You can move more than 1 job. You must move the jobs one job at a time.

Use 'Interrupt' + 'Move to top' for jobs with the highest priority.

Note: A flag  indicates an urgent job.

When you select	Then
'Move to top'	The current print job is finished first. Then the urgent job is printed.
'Interrupt' + 'Move to top'	The current print job stops after the set that is currently printed. Then the urgent job is printed. When the urgent job is ready, the interrupted print job is resumed.

[20] Job priority

Before you begin

Make sure that the urgent copy job or print job is sent to the job queue.

You can use the **Next job** function (see '*Next job*' on page 14) to prepare your urgent job while the printer proceeds with the current print job.

Illustration

	File 3	00:01							Close
	User 3								
	34 of 50	1 original							
	File 4	00:02							
	File 5	00:02							

Chapter 6

The print function



General information

About the printer driver

Introduction

Information for operators

You need a printer driver to print jobs from the network to the Océ VarioPrint 2090 . The printer driver allows you to define the print job settings on your PC.

Note: *The User manual only contains a short description of the printer drivers. Please refer to the on-line help of the printer driver for detailed information about the settings in the printer driver.*

Functions of the Océ VarioPrint 2090 printer driver

If you want to print a document to the Océ VarioPrint 2090 , you must first access the print window of the application. When you click 'Properties', the print window of the Océ VarioPrint 2090 appears.

Océ provides a Universal Printer Driver for the Microsoft® Windows® operating system to make printing on the Océ VarioPrint 2090 easier. The driver is specially designed to use the characteristics of the Océ VarioPrint 2090 in an optimal way. You can use the driver to define a large number of settings for layout, paper, finishing and image.

Océ provides 2 versions of the printer driver.

One version creates HP® PCL5e files.

The other version creates Adobe® PostScript® 3 files.

Both drivers are based on Microsoft driver core technology to guarantee an optimal integration with the PC's operating system. The drivers run only on Windows 2000, Windows XP and Windows 2003.

Océ also provides a printer driver for the Apple® Macintosh® MacOS X operating system. This driver allows you to do page programming and to use the Océ VarioPrint 2090 mailbox, including secured print jobs. This driver runs on MacOS 10.2 and higher.

For all other environments (Windows 95/98/ME, Windows NT4, older MacOS versions, Linux®), Océ provides a printer driver on the basis of the Océ VarioPrint 2090 PPD (PostScript Printer Description). This PPD add the Océ VarioPrint 2090 characteristics to a general Adobe PostScript 3 printer driver, which translates the print jobs into PostScript files.

Settings in the Océ VarioPrint 2090 printer drivers

The following table gives an overview of the possible settings in the printer drivers.

Section	Settings
Layout	■ Print 1-sided or 2-sided ■ Define the orientation (portrait or landscape) ■ Define the binding edge ■ Define the number of images per sheet (1-up, 2-up, 4-up, 6-up, 9-up, 16-up) ■ Create a booklet
Paper	■ Define the paper size ■ Define the media type ■ Use covers ■ Access the page programmer (not available in the PCL5e printer driver)
Finishing	■ Define the number of staples ■ Define the page order ■ Define the sorting method
Image	■ Define the scale (not available in the PCL5e printer driver) ■ Define the halftone value ■ Define a watermark ■ Define a mirrored print (not available in the PCL5e printer driver) ■ Define the colour conversion (not available in the PCL5e printer driver)

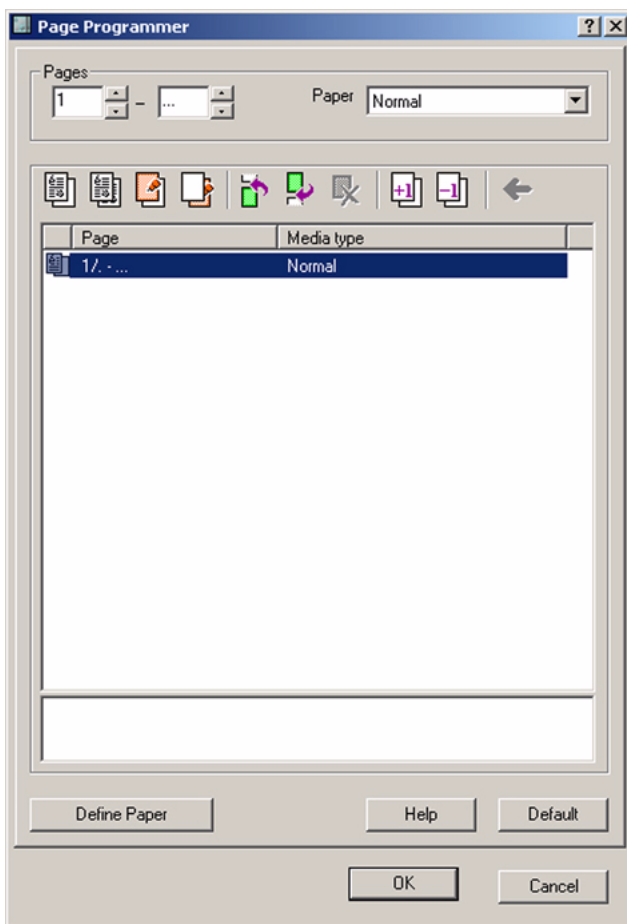
[21] Settings in the printer driver

About the page programmer

Introduction

Information for operators

The page programmer is available in the Océ VarioPrint 2090 PostScript printer driver. This function enables you to describe the paper type for separate pages within one print job. You can define per page range whether the paper type is 'Special 1', 'Special 2', 'Special 3', 'Normal' or 'My Paper'.



[11] Page programmer

Note: When you click 'OK', the system automatically stores the changed settings in a profile. Then you can use these page program settings for other jobs.

Note: You can program a maximum of 100 subsets. If you define more than 100 subsets, the boxes for the page range are disabled. You can not add subsets. The table below describes the options you can use in the page programmer.

Topic	Description
Page range	In the Page range selection box in the upper part of the window you enter the start page and the end page of a subset that is processed with the same method (1-9999). Note: The Page range must be positive (end page greater than or equal to the start page).
'Media type'	In the media box you can select one of the preferred media types. ■ 'Normal' paper: This category refers to standard paper. ■ 'Special' paper: This category includes pre-printed paper, punched paper and other materials. You can use up to 3 different types of special paper ('Special 1', 'Special 2', 'Special 3'.) ■ 'My Paper': This category refers to paper that the user needs to put into the paper tray when the user starts a print job with 'My Paper' on the Océ VarioPrint 2090 . You can use the 'Define paper' button to change the names of the possible media types in the 'Media type' box. You can use all 5 possible media types in one job.

Topic	Description
Toolbar	After you select the media type, you can define the process method for a page range. Click on the icons in the toolbar to select the required process. ■ '1-sided'. The image is printed on the front side of a sheet. ■ '2-sided'. The images are printed on the front side and back side of a sheet. ■ Force to front. The start page of a page range is printed on the front side of a sheet. The next pages of the page range will be printed 2-sided. ■ Force to back. The start page of a page range is printed on the back side of a sheet. The front side of this sheet will be the last page of the previous page range. ■ Sheet before. Insert a blank sheet in front of the selected page or page range. ■ Sheet after. Insert a blank sheet behind the selected page or page range. ■ Delete sheet. Delete the blank insert sheet that you can put in front or behind the selected page (range). ■ +1. Add one page to the selected page range. The consecutive page ranges all move one page up. ■ -1. Remove one page from the selected page range. The consecutive page ranges all move one page down. ■ Undo last action. You undo the last action. After this undo, the Undo last action button is disabled. Note: To undo all actions in the page programmer, click the 'Cancel' button.
Page list (main window)	The page list shows the page program. The main window displays the main page program. A number indicates a printed page. A "." indicates an empty page. In the column next to the programmed pages the selected media type is displayed. You can change the preferred media types. Click the paper type you want to change and select another paper type in the 'Media type' box.

Note: You can not program covers in the page programmer. You can define the use of covers in the 'Paper' settings on the 'Job' tab.

About automatic printing

Introduction

Information for operators

The Océ VarioPrint 2090 allows you to print your jobs in two ways, the interactive way and the automatic way (see ‘*Create a print job*’ on page 65). You must put a check mark in the box ‘To mailbox’ in your printer driver to make your job an interactive print job. Your job then goes into the mailbox. In order to print your job, you must start the job at the operator panel. The automatic print jobs are also created in the printer driver. To create an automatic print job, you must leave the box ‘To mailbox’ empty. Your automatic print job then goes into the job queue.

Note: *In the Océ Settings Editor, the key operator can define that all new jobs are sent ‘To mailbox’, not to the job queue. When the setting ‘To mailbox’ is enabled, automatic print jobs become interactive print jobs. You must start all print jobs from the mailbox (see ‘Print a job from the mailbox’ on page 81). The printing of automatic print jobs starts in the following situation.*

- All the interactive jobs are finished.
- The time out of the operator panel has expired.
- At least 1 automatic print job is present.

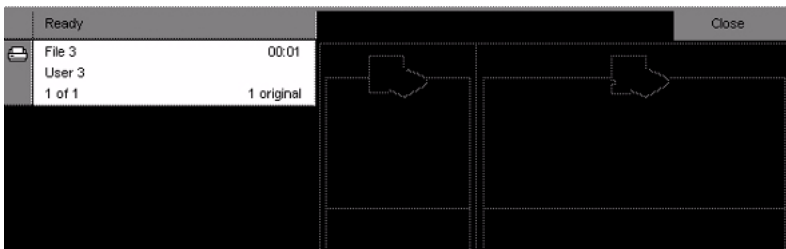
When all conditions in the bulleted list above are met, the display shows the following message ‘Automatic printing will start in ... seconds’.

After the time displayed in the message expires, the printing of your automatic print job starts. When there are more automatic print jobs, all the jobs are printed automatically, one job after the other job. The display does not announce all automatic print jobs separately. Only the first automatic print job is announced.

Stop automatic print jobs

When you do **not** put a check mark in the box ‘To mailbox’ in your printer driver, you create an automatic print job. Your job goes straight into the job queue.

When an automatic print job is printed, the operator panel displays the following screen.



[12] Automatic printing

You can always interrupt an automatic print job to start an urgent copy job or print job. In order to stop an automatic print job, press 'Close' or any other key. The automatic print job then moves into the mailbox. When all conditions described in the bulleted list of the introduction are met again, the announcement of your automatic print job appears again. The automatic print job continues after the time displayed in the message expires.

Print to the Océ VarioPrint 2090

Create a print job

Introduction

Information for operators

If you want to print a document from your desktop application, you can define the print settings before you send the job to the Océ VarioPrint 2090 . The settings that you define are set in the printer driver dialogue box.

Note: *The printer driver allows you to define up to 5 different types of paper for a print job.*

How to start a print job

- 1 Select the print option in your application.
The print window of your application appears.
- 2 Select the page range if necessary.
- 3 Select the number of prints.
- 4 Select the name of the printer, for example Océ VarioPrint 2090 .
- 5 Select 'Properties' to access the settings in the printer driver.

How to define the print settings in the Windows printer driver

- 1 Select the template that matches the settings you want to use.
- 2 Click 'OK'.
The window of the printer driver closes.
- 3 Click 'OK' in the application window.
The document is sent to the Océ VarioPrint 2090 .

Note: *When a correct template is not available, you can also define the settings in the 'Properties' section. The new template is saved for future use. Click the 'Settings' bar or a short-cut link in the 'Preview' window to access the print settings.*

Note: *You can also activate the 'Show settings before printing' dialogue in the 'Printing Preferences'. When the option is enabled, the printer driver pops up automatically after you press the 'OK' button in the print window of your application. You do not need the 'Properties' section to select the correct template or to define the settings.*

Result

The print job arrives in your personal mailbox on the Océ VarioPrint 2090 or is printed automatically. This depends on your settings. When the print job arrives in the mailbox, you can access the print job on the operator panel to check the settings you defined in the printer driver or start the print job (see ‘Print a job from the mailbox’ on page 81).

Create a secured print job

Introduction

Task for operators

The Océ VarioPrint 2090 allows you to protect sensitive information in a print job. If you want to print a job that contains sensitive information you can set a protective PIN code. This PIN code is set in the printer driver. The PIN code has a length of 1-5 digits. After you send the print job to the Océ VarioPrint 2090, you can not change the PIN code of the print job. The secured print job goes to the mailbox on the Océ VarioPrint 2090. Enter the correct PIN code to print this job.

How to create a secured print job

- 1 Select the print option in your application.
The print window of your application appears.
- 2 Select the Océ VarioPrint 2090 printer.
- 3 Select 'Properties' to access the settings of the printer driver.
The 'Job' tab is opened automatically.
- 4 Select a template or define the settings.
- 5 Click the 'Security' check box.
A check mark indicates a secured print job.
A pop-up window appears.
- 6 Enter a PIN code that contains 1-5 digits.
Note: *You can not change the PIN code after you send the print job to the printer.*
- 7 Click 'OK' after you have defined all the settings.
The printer driver window closes.
- 8 Click 'OK' to close the print window of the application.
The print job is sent to the mailbox on the Océ VarioPrint 2090 (see 'Print a secured print job' on page 68).

Print a secured print job

Introduction

Task for operators

The Océ VarioPrint 2090 allows you to protect sensitive information in a print job. If you want to print a job that contains sensitive information, you can set a protective PIN code (see ‘*Create a secured print job*’ on page 67). This PIN code is set in the printer driver or in Océ Intra Logic. The PIN code has a length of 1-5 digits. After you send the print job to the Océ VarioPrint 2090, you can not change the PIN code of the print job. The secured print job goes to the mailbox. You can open the job editor to modify the job settings. You do not need to enter the PIN code to change the job settings. When you press the Start key , a message appears. Enter the PIN code to continue.

Note: *You do not need a PIN code to remove a secured print job from the mailbox (see ‘Remove jobs from the mailbox’ on page 89).*

How to print a secured print job

- 1 Press the key for 'Print' or 'Print from mailbox...' (see ‘*Print a job from the mailbox*’ on page 81).
- 2 Select your job.
- 3 Press the Start key .

A dialogue box appears that asks you to enter the PIN code.

- 4 Use the numeric keys to enter the PIN code (enter 1-5 digits).

Note: *You can not set or change a PIN code of a print job on the operator panel of the Océ VarioPrint 2090.*

Result

The following situations can occur after you enter the PIN code.

■ Correct PIN code

The dialogue box disappears and the print job is sent to the job queue.

■ Wrong PIN code

The print job is not started and the dialogue box remains open.

Note: *If you edit a secured print job and then enter the wrong PIN code, the job is not started. The dialogue box that asks you to enter the PIN code remains open. The display does not return to the mailbox view. Press the key for 'Cancel' to return to the mailbox view.*

Create a print job with an Account ID

Introduction

Task for operators

The Océ VarioPrint 2090 allows you to charge the costs for print jobs and copy jobs to the users or customers (see '*About the accounting function*' on page 42). The Océ VarioPrint 2090 allows you to define an 'Account ID' in the printer driver.

Note: *You can only enter an 'Account ID' when the accounting function is enabled in the printer driver.*

How to enable the Account ID in the printer driver

- 1 In your Windows® operating system, click 'Start'.
- 2 Click 'Settings'.
- 3 Click 'Printers'.
- 4 Right-click the Océ VarioPrint 2090 printer.
- 5 Click 'Properties'.
- 6 Select the Océ VarioPrint 2090 tab.
- 7 Check the 'Enable accounting' box.
- 8 Click 'Apply'.
- 9 Click 'OK'.

How to create a print job with an Account ID

- 1 Select the print option in your application.
The print window of your application appears.
- 2 Select the Océ VarioPrint 2090 printer.
- 3 Select 'Properties' to access the settings of the printer driver.
The 'Job' tab opens automatically.
- 4 Select a template or define the settings.
- 5 Select 'Settings'.
- 6 Select 'Account'.
- 7 Enter the values for 'Account ID', 'Cost centre' and 'Custom'.
- 8 Click 'OK' after you have defined all the settings.
The printer driver window closes.
- 9 Click 'OK' to close the print window of the application.
The print job is sent to the mailbox (see '*Print a print job with an Account ID*' on page 71).

Note: *When the accounting function is enabled, you must enter an 'Account ID' before you print your job. If you do not enter an 'Account ID', you cannot print your job. If you print from your desktop application without an 'Account ID', the driver will automatically ask you for an 'Account ID'. If you print through the printer icon in your desktop application, you must enable 'Show settings before printing' to make the driver ask you for an 'Account ID'.*

Print a print job with an Account ID

Introduction

Task for operators

The Océ VarioPrint 2090 allows you to charge the costs for print jobs and copy jobs to the users or customers. The Océ VarioPrint 2090 allows you to define an 'Account ID' in the printer driver (see 'Create a print job with an Account ID' on page 69).

Note: Make sure that you cancel the 'Account ID' of the current session before you print the job (see 'Enter and cancel an 'Account ID' on page 45). The session ID always cancels the 'Account ID' that you define in the printer driver (see 'About the accounting function' on page 42)

How to print a job with an Account ID

- 1 Press the key for 'Print' or 'Print from mailbox...' (see 'Print a job from the mailbox' on page 81).
- 2 Select your job.
- 3 Press the Start key  .
The job is printed.

My Paper in a print job

Introduction

Task for operators

The Océ VarioPrint 2090 allows you to use your personal paper for print jobs. This function is called 'My Paper'.

The operator panel displays the following icon for a 'My Paper' job: .

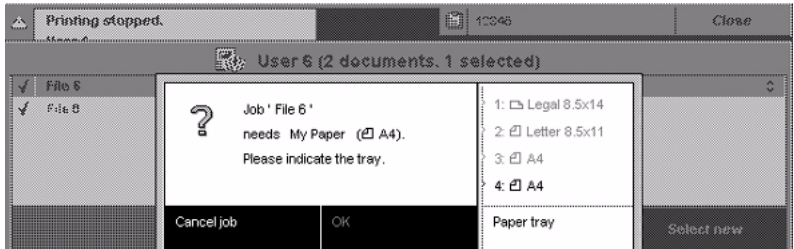
'My Paper' refers to paper that is not available as the standard paper in the paper trays. To use this personal paper type, you must load the paper tray when the Océ VarioPrint 2090 starts the print job with 'My Paper'. When you define a print job in for example the printer driver or in Océ Intra Logic, you can indicate to print the job on 'Normal' paper, 'Special 1', 'Special 2', 'Special 3', or on 'My Paper'.

How to create a print job with 'My Paper'

- 1 Select the print option in your application.
The print window of your application appears.
- 2 Select the Océ VarioPrint 2090 printer.
- 3 Select 'Properties' to access the settings of the printer driver.
The 'Job' tab is opened automatically.
- 4 Select a template or define the settings.
- 5 Select 'Settings'.
- 6 Select 'Paper'.
Note: You can also click the short-cut link 'Media type' in the 'Preview' section.
- 7 Select 'My Paper' in the 'Media type' box.
- 8 Click 'OK' to confirm your settings.
- 9 Click 'OK' to send the job to the Océ VarioPrint 2090 .

How to print a job on 'My Paper'

- 1 Load the paper in one of the trays (see '*Load the paper trays*' on page 150).
- 2 Use the arrow keys to select your user name.
- 3 Press the function key 'Print from mailbox...'.
- 4 Select the print job and check the settings if necessary.
- 5 Use the numeric keys to define the number of prints.
- 6 Press the Start key .
- 7 A message appears 'Job needs My Paper. Please indicate the tray'.



[13] Indicate the tray

- 8 Indicate the correct paper tray on the operator panel.
- 9 Press the function key 'OK' to continue.

The job starts to print.

After the job is ready, the operator panel displays a message that asks you to remove the remaining 'My Paper' from the paper tray.

Covers in a print job

Introduction

Task for operators

The Océ VarioPrint 2090 allows you to use covers at the front side or back side of your document. When you define a print job in for example the printer driver or in Océ Intra Logic, you can indicate the use of covers.

To use covers, you can do one of the following.

- Indicate that a paper tray contains covers.
- Load the covers in a paper tray that the Océ VarioPrint 2090 indicates when the print job with the covers starts to print.

You can also define the use of covers on the operator panel.

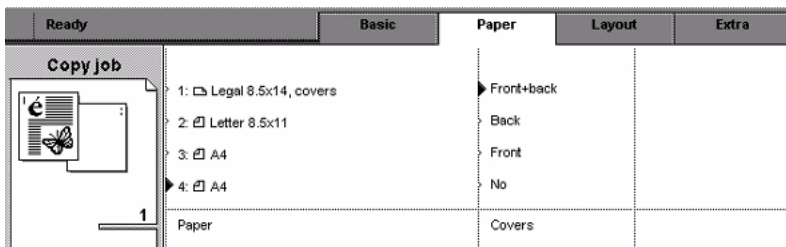
Note: *The key operator can define a default paper tray for covers in the Océ Settings Editor.*

How to create a print job with covers

- 1 Select the print option in your application.
The print window of your application appears.
- 2 Select the Océ VarioPrint 2090 printer.
- 3 Select 'Properties' to access the settings in the printer driver.
The 'Job' tab is opened automatically.
- 4 Select a template or define the settings.
- 5 Select 'Settings'.
- 6 Select 'Paper'.
- 7 Check the check box for 'Front', 'Back', or both in the 'Covers' section.
- 8 Click 'OK' to confirm your settings.
- 9 Click 'OK' to send the job to the mailbox.

How to define covers on the operator panel

- 1 Use the arrow keys to select your user name.
- 2 Press the function key 'Print from mailbox...'.
3 Select the print job.
- 4 Press the function key 'Edit...'.
5 Press the function key 'Paper'.
- 6 Press the function key 'Covers' to define the required covers.

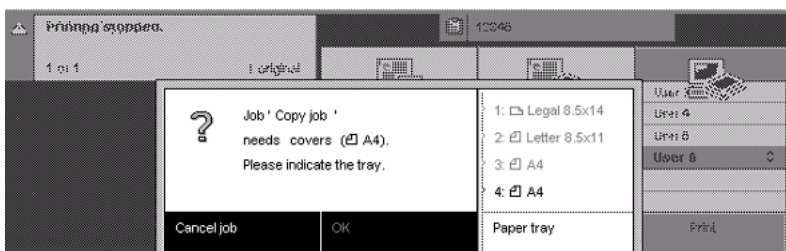


[14] Define the use of covers

How to print a job with covers

- 1 Load the covers in tray 1, 2 or 4 (see 'Load the paper trays' on page 150).
- 2 Use the arrow keys to select your user name.
- 3 Press the function key 'Print from mailbox...'.
4 Select the print job and check the settings if necessary.
- 5 Use the numeric keys to define the number of prints.
- 6 Press the Start key .

A message appears 'Job needs covers. Please indicate the tray'.



[15] Indicate the 'Covers' tray

- 7 Indicate the correct paper tray on the operator panel.
- 8 Press the function key 'OK' to continue.
The job starts to print.

Note: When the paper trays contain the required paper, the Océ VarioPrint 2090 can also print the jobs on covers automatically. When the paper trays do not contain the required paper, the job is always printed from the mailbox.

Special paper in a print job

Introduction

Task for operators

Special paper can be any kind of paper that you choose to use in a print job. You can create a print job with special paper on your PC. You must indicate on the 'Job' tab of the printer driver that you want to use special paper.

You can use up to 3 different types of special paper ('Special 1', 'Special 2' or 'Special 3').

Note: *The key operator can define default paper trays for the special paper in the Océ Settings Editor.*

How to create a job with special paper

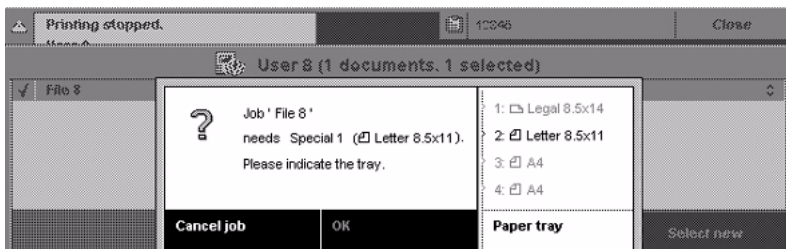
- 1 Select the print option in your application.
The print window of your application appears.
- 2 Select the Océ VarioPrint 2090 printer.
- 3 Select 'Properties' to access the settings of the printer driver.
The 'Job' tab is opened automatically.
- 4 Select a template or define the settings.
- 5 Select 'Settings'.
- 6 Select 'Paper'.
Note: *You can also click the short-cut link 'Media type' in the 'Preview' section.*
- 7 Select 'Special 1', 'Special 2' or 'Special 3' in the 'Media type' box.
- 8 Click 'OK' after you finished.
The printer driver window closes.
- 9 Click 'OK' to send the job to the Océ VarioPrint 2090 .

Note: *You can use the page programmer to define more than one type of 'Special' paper in one print job (see 'About the page programmer' on page 60).*

Note: *You can rename the 'Special 1', 'Special 2' and 'Special 3' paper names according to your requirements. This makes the use of special paper easier.*

How to print a job on special paper

- 1 Load the paper in tray 1, 2 or 4 (see 'Load the paper trays' on page 150).
- 2 Use the arrow keys to select your user name.
- 3 Press the function key 'Print from mailbox...'.- 4 Select the print job and check the settings if necessary.
- 5 Use the numeric keys to define the number of prints.
- 6 Press the Start key .
- 7 A message appears 'Job needs Special. Please indicate the tray'.



[16] Indicate the 'Special' tray

Note: If 1 of the paper trays is already configured for 'Special', the message box will not appear. The print job starts and takes paper from the paper tray that is configured for 'Special' by the key operator.

- 8 Indicate the correct paper tray on the operator panel.
- 9 Press the function key 'OK' to continue.

Note: When the paper trays contain the required paper, the Océ VarioPrint 2090 can also print the jobs on special paper automatically. When the paper trays do not contain the required paper, the job is always printed from the mailbox.

Use the mailbox

About the mailbox

Introduction

Information for operators

A mailbox is a digital storage area (not intended for archiving purposes) for print jobs from the network. This digital storage area is on the hard disk of the Océ Smart Imager.

When you print a document from your desktop, there are 2 options.

- 1 The print job is sent to the mailbox of the Océ VarioPrint 2090 (interactive printing).
- 2 The print job is sent to the job queue of the Océ VarioPrint 2090 (automatic printing).

If the job is sent to the mailbox, you can access the job on the operator panel of the Océ VarioPrint 2090 . You have a personal user area in the mailbox where you can find your print jobs.

In the Océ VarioPrint 2090 Windows and Mac printer drivers you can change the name of your personal mailbox.

The mailbox allows you to do the following.

- Edit the job settings for multiple print jobs.
- Start to print one or more jobs.
- Delete one or more jobs.

When you start a job from the mailbox, you send a copy of the mailbox job to the job queue. The original job remains in the mailbox. You can reuse the mailbox job as many times as required. Each time you start a job from the mailbox, you create a copy of the print job that is sent to the job queue.

To remove a job from the mailbox, you must delete the job.

If you delete the mailbox job, the jobs that are started to the job queue are not automatically deleted as well. You must delete these jobs separately.

Note: *The key operator can clear the mailboxes periodically. The key operator can define the storage time of jobs in the mailbox in the Océ Settings Editor.*

Job order in the mailbox

When you open your mailbox on the operator panel, you see all your jobs. All new (or not printed) jobs that you sent from your desktop are highlighted. (The user that last sent a print job to the Océ VarioPrint 2090 is highlighted in the user list on the operator panel.) You can scroll through the list of jobs with the 4 arrow keys (, ,  and ) on the right-hand side of the display.

If you send a job to the job queue, the job gets a check mark . This check mark indicates that the job is 'Done' (printed before).

Mailbox information

The mailbox header contains the following information.

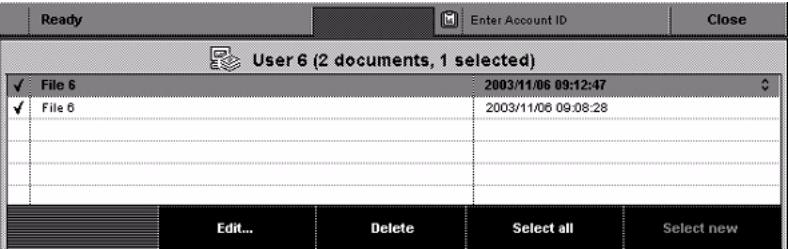
Nr.	Header information
1	The user name.
2	The total number of jobs in the mailbox.
3	The number of jobs that you select.

[22] Information in the header of the mailbox

The mailbox of the Océ VarioPrint 2090 displays the following job information.

Nr.	Job information
1	A check mark  to indicate that the job is sent to the job queue.
2	The file name of the job.
3	The date and time the job arrived in the mailbox.

[23] Presentation of the jobs in the mailbox



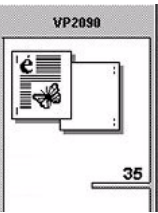
[17] Example of a personal mailbox

Graphical information

The left-hand side of the job editor displays graphic information about the job settings for mailbox jobs, copy jobs and scan jobs. The information is described in the table below. (Please note that some information is fixed for mailbox jobs and variable for the other jobs.)

Nr.	Graphical information
1	Title of the mailbox job (or copy job)
2	Staple indication, 0, 1 or 2 staples
3	1-sided or 2-sided
4	Document orientation
5	Document type
6	Document size (variable for copy jobs only)
7	Margin shift
8	Number of prints

[24] Graphical information



[18] Graphical feedback in the job editor

Print a job from the mailbox

Introduction

Task for operators

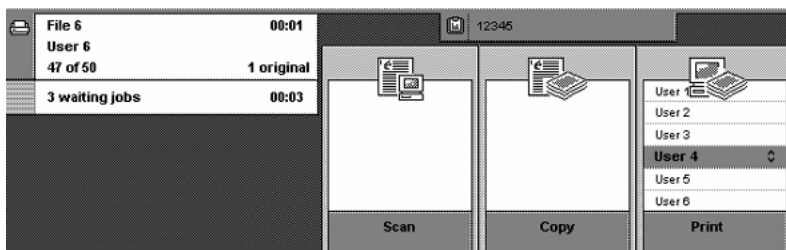
If you send a print job from your desktop to the Océ VarioPrint 2090, the job goes to the job queue or to the mailbox. A job that goes to the job queue is called an automatic print job (AP). A job that goes to the mailbox on the Océ VarioPrint 2090 is called an interactive print job (IP).

Before you begin

- Create a print job on your desktop (see 'Create a print job' on page 65).
- Select the job settings in the printer driver.
- Send the print job through the network to the mailbox on the Océ VarioPrint 2090.

How to print a job from the mailbox

- 1 Use the arrow keys at the right-hand side of the operator panel to select your user name from the list.



[19] Select your user name

- 2 Press the function key 'Print' or 'Print from mailbox...'.
3 Use the arrow keys at the right-hand side of the operator panel display to select a job from the list.

Note: You can press the function keys 'Select all' or 'Select new' to make a selection.

- 4 Press the Start key .

Result

A copy of the mailbox job is sent to the job queue of the Océ VarioPrint 2090. The mailbox job gets a check mark ✓. This check mark indicates that the job has been sent to the job queue. The job remains in the mailbox and you can use the job again until you delete the job.

Edit a mailbox job

Introduction

Task for operators

When you start a job from the mailbox, a copy of this mailbox job is sent to the job queue. You can change the settings of that job in the job editor before you send the job to the job queue. Your changes are not applied to the original job that you sent to the mailbox. The changes you make in the job editor are applied to the job that is sent to the job queue.

Options

You access the job settings through the 'Edit...' function. The job settings are accessible in the following 4 sections.

- 'Basic'
- 'Paper'
- 'Layout'
- 'Extra'

Use the numeric keys to define the number of prints. The number of prints is displayed at the left-hand side of the screen.

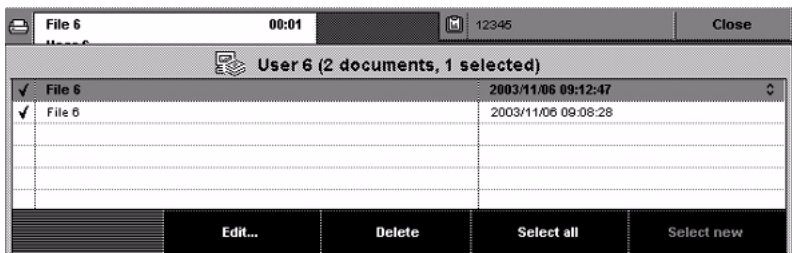
Note: *If you select more than one job in the mailbox and you edit a setting, that setting is changed in all the selected jobs.*

When to do

If you want to check or change the job settings of a print job or define the number of prints before you start a print job, you can access the job settings in the mailbox.

After you have checked and changed the settings in the 4 sections, you can press the Start key  to send the modified job to the job queue.

Illustration



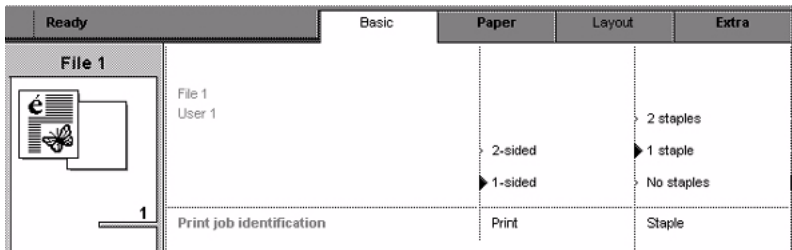
[20] Edit a mailbox job

How to edit a mailbox job

- 1 Open the mailbox to access your print job (see *'Print a job from the mailbox'* on page 81).
- 2 Press the function key 'Edit...'.
The job editor opens with the settings of the initial mailbox job.
- 3 If necessary, follow the procedures described below.
These procedures help you to change the values of the print job settings.

Change the settings in the 'Basic' section

- 1 Press the function key 'Basic' (only necessary if the section is not displayed after you pressed the function key 'Edit...').



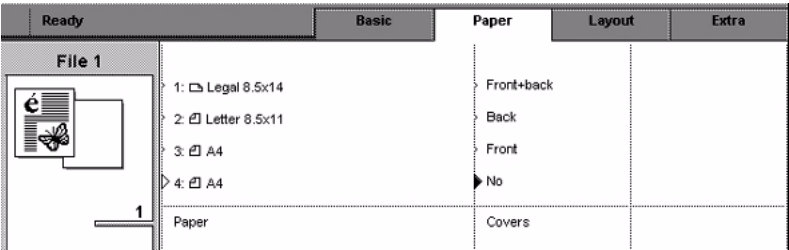
[21] The 'Basic' section

- 2 Press the function key 'Print'.
You can define that the print is '1-sided' or '2-sided'.
- 3 Press the function key 'Staple'.
You can set the number of staples. Select 'No staple', '1 staple' or '2 staples' for the print job.

Note: The 'Print job identification' section displays the file name and the user name. You can not change this information for a print job.

Change the settings in the 'Paper' section

- 1 Press the function key 'Paper'.

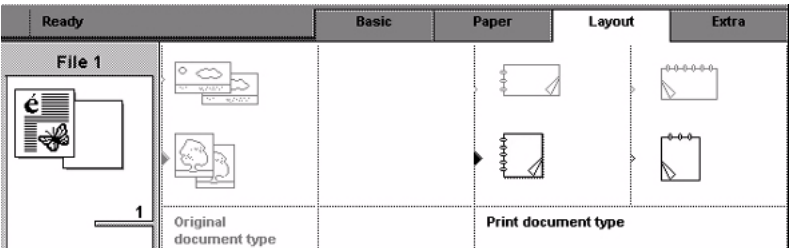


[22] The 'Paper' section

- 2 Press the function key 'Paper' to select the paper tray for the print job.
- 3 Press the function key 'Covers' to define the use of covers.

Change the settings in the 'Layout' section

- 1 Press the function key 'Layout'.



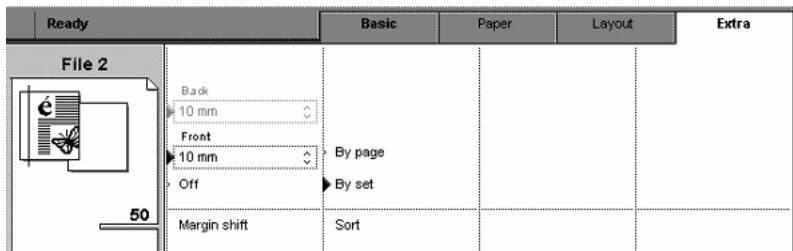
[23] The 'Layout' section

- 2 Press the function key 'Print document type'.
- You can set the binding edge of the print. This setting defines if the document flips over the long edge or the short edge of a sheet. This setting also allows you to select the orientation of the print. You can select landscape or portrait. You can only set 1 staple for documents that flip over the short edge of a sheet.

Note: The 'Original document type' section displays an indication of how the information is oriented on the original, in landscape or portrait direction. You can not change this information for a print job.

Change the settings in the 'Extra' section

- 1 Press the function key 'Extra'.



[24] The 'Extra' section

- 2 Press the function key 'Margin shift'.
You can indicate the distance between the information on the sheet and the binding edge. When you increase the margin shift, the information on the sheet is shifted away from the binding edge of the print.
- 3 Press the function key 'Sort'.
When you select 'By page', the output is sorted in the order 111, 222, 333.
When you select 'By set', the output is sorted in the order 123, 123, 123.
Note: The setting 'Sort' is only visible when the key operator enables the 'Display expert settings' in the Océ Settings Editor.

Stop printing

Introduction

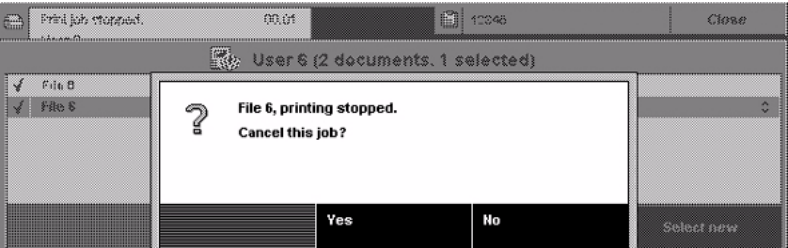
Task for operators

Press the Stop key  one time if you want to stop a print job at the end of a set. Press the Stop key two times to stop within a set (end of page).

After you press the Stop key, the printing stops and a dialogue is displayed. Then you can cancel or resume the job.

You can use the Stop key for example if you made a mistake in the job definition.

Illustration



[25] Stop printing

Stop key behaviour

If you want to stop a job at the	Then press the Stop key  ...
End of a set	One time
End of a page	Two times

[25] Stop key behaviour

Result

After the printer stops printing, the following dialogue with two options appears.

'Cancel this job?'	Result
'Yes'	The job is cancelled. If the job is stored in the mailbox, you can print the job again. If you stopped printing at the end of a page, you must remove the partial set from the output trays. The Océ VarioPrint 2090 prints the next job in the job queue.
'No'	The Océ VarioPrint 2090 continues to print the job.

[26] Stop key dialogue

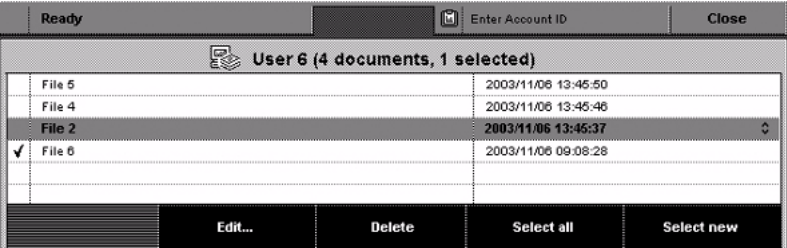
Remove jobs from the mailbox

Introduction

Task for operators

The jobs in the mailbox are not automatically deleted after they are sent to the queue. If a mailbox job is not needed anymore, you must manually remove the job. The key operator can also use the Océ Settings Editor to remove the jobs.

Illustration



How to remove jobs from the mailbox

- 1 Open the mailbox to access your print jobs (see ‘Print a job from the mailbox’ on page 81).
- 2 Use the arrow keys to scroll through the print jobs in the mailbox.
Note: If you want to select more than 1 job, you can use the function keys ‘Select all’ and ‘Select new’.
- 3 Press the function key ‘Delete’. The selected jobs are removed from the mailbox.

Note: If you want to delete a job from the job queue, you must open the job queue manager and manually delete the job from the job queue with the function key ‘Delete’. This action is only possible for jobs in the job queue that were not started yet. If the job in the job queue is currently printed, you must first use the Stop key . Please note that if you delete a job from the mailbox, this action does not affect the jobs in the job queue.

Océ Intra Logic

About Océ Intra Logic

Definition

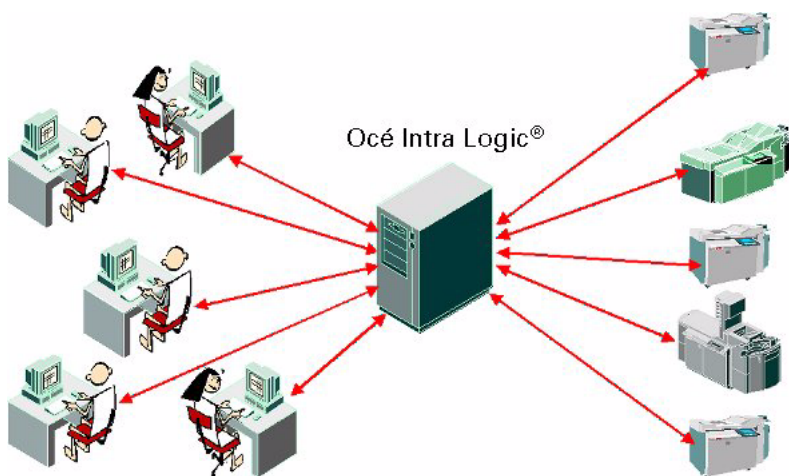
Information for operators

Document and device control @ your desktop

Maximise the efficiency, optimise the device usage and simplify management and support.

Print and copy from and to every networked machine. Océ Intra Logic® provides convenient desktop access to these functions.

Illustration



[27] Océ Intra Logic

The concepts of Océ Intra Logic

Makes multi-functional devices work

Do you need many different office devices to handle document tasks and do you find that different interfaces and stand-alone functions increase complexity and cause time-consuming manual handling?

Océ Intra Logic makes devices work in a single, easy-to-use environment. With simple desktop access from any location.

Gets digital and analogue documents under control

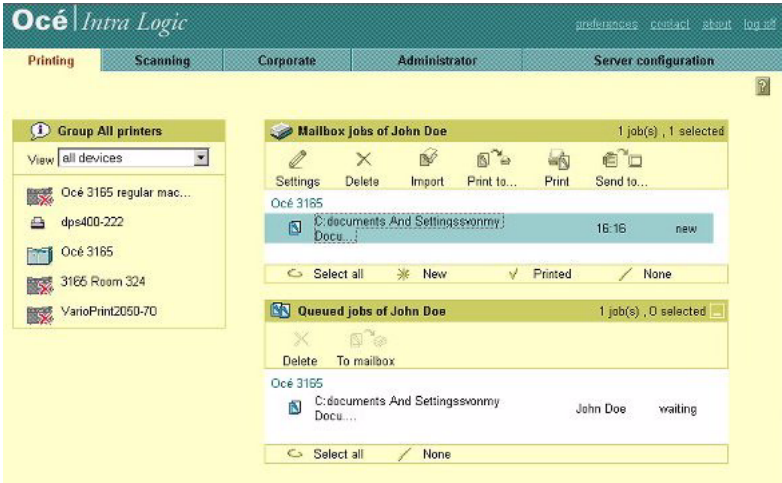
Océ Intra Logic makes it easy for you to access all the document functions you need. That means efficient reproduction, handling and distribution of digital documents. But also - with convenient scan to email and other scan to office applications - the ability to do all the same tasks with hard-copy documents.

Supports effective information sharing

When business processes depend on fast information availability, get documents to those who need them is more important than ever. Thanks to the open interface to different tasks like fax, archive and other office applications. All these tasks are accessible from the users' desktops.

Get maximum productivity from all office devices.

With Océ Intra Logic you can make the most efficient, productive use of printers and copiers. Address all SNMP/MIB compatible printing systems through a web based browser interface. You can use the right resources for every job, wherever the jobs are located.



[28] Océ Intra Logic screen

Simplify management and support tasks

Support document-related network devices like printers, desktop scanners. Ensure maximum availability which can be a time-consuming task for IT and help desk staff. Océ Intra Logic makes it easy to work with remote device access. Specialists can check configuration and status details, and even read the total counters and alerts (for example runtime contradictions), all without leaving their desks.

Part of Océ's integrated document management solutions

Océ Intra Logic is part of Océ's wide range of solutions, focused on maximising the availability of documents and information. Comprising hardware, software and supporting services, the Océ range offers users highly flexible and modular solutions to their document needs.

Océ Intra Logic functions

Introduction

Information for operators

Océ Intra Logic® is an easy-to-use intranet application that is used to make more efficient use of the printer. This application allows you to do the following.

- Know which paper is loaded.
- See whether the machine is available or not available.
- Gather jobs, the whole day and print all the jobs in one session.
- Get information about problems (for example that the machine is out of paper).
- Program difficult jobs.

Only relevant information is offered to the user, for example the user is informed when there is a paper jam or paper empty situation for a job.

Next to the items listed above, you can use Océ Intra Logic to change job settings for jobs on the Océ VarioPrint 2090 . In the figure below you see an example of job settings in Océ Intra Logic.

Océ Intra Logic

Change job settings

Job name <http://fermi-oil-2/intralogsic/access/login.asp>

Copies

2-sided

☐ 1-sided

☒ 2-sided

Staple

☒ No staple

☐ 1 staple

☐ 2 staples

Document type

Type:

Mediatype

Type:

Covers

☐ Front

☐ Back

Margin shift

Front

Back

OK Cancel

[29] Océ Intra Logic job settings

Job settings overview

The following table gives an overview of the job settings you can change in Océ Intra Logic. In the table you see a Yes when a setting is applicable. You see a No when the setting does not influence the Océ VarioPrint 2090 .

Setting label	Change in mailbox via Océ Intra Logic
General	
Number of copies	Yes
AP/IP	No
Security Code	No
Basic	
Original sides	No
Print sides	Yes
Staple	Yes
Zoom	No
Paper	
Paper size	No (read-only)
Paper tray	No
Paper type	Yes
Cover	Yes
Orientation (jobs from glass plate only)	No
Document type	No
Image type (analogue originals only)	No
Lay out print	
Lay out Booklet	No (read-only)
Document type	Yes
Margin shift front	No
Margin shift back	No

[27] Océ Intra Logic job settings

Chapter 7

The copy function



Basic copies

Make a copy

Introduction

Task for operators

The Océ VarioPrint 2090 is a network printer and copier. The print jobs are digital originals that you send from the desktop to the mailbox. The copy jobs are analogue originals that you scan and print on the Océ VarioPrint 2090 .

The workflow to make a copy is presented in the table below.

Actions	Description
1	Put originals in the automatic document feeder or on the glass plate
2	Access the 'Copy' function to create a copy job
3	Describe the original and print settings
4	Set the number of copies
5	Start the copy job with the Start key 

If you press the Start key  and you have not selected the 'Copy' function on the operator panel, a message appears on the display. The message indicates that you must first select the function 'Copy' on the operator panel to start a copy job.

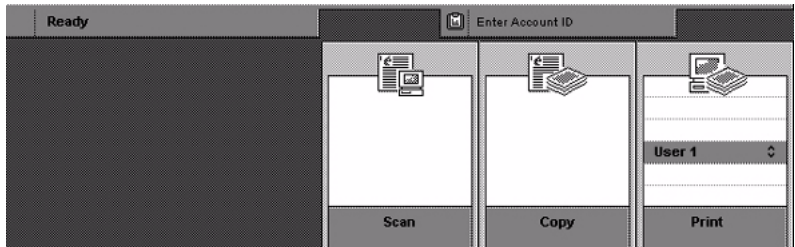
After the originals are scanned, you can use the 'Copy' template for a new job. The system remembers the settings of the previous job.

Before you begin

When you start a copy job.

- Remove all staples from your originals with the staple remover.
- Remove the paper clips.
- Make sure that the originals in the automatic document feeder have the same size.
- Make sure that the originals are not curled.

Illustration



[30] Use the 'Copy' template

How to make a copy

- 1 Put the originals face down and in readable form into the automatic document feeder or on the glass plate.
- 2 Adjust the original guides.
- 3 Press the function key 'Copy'.
- 4 Define the settings in the sections 'Basic', 'Paper', 'Layout' and 'Extra'.
- 5 Enter the number of copies with the numeric keys.
- 6 Press the Start key .

Types of copy job settings

Introduction

Information for operators

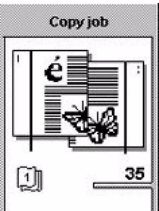
When you create a copy job, you define the job settings in the job editor on the operator panel. The job settings allow you to describe the originals and the copies.

There are 4 sections available to define the job settings. Press the function keys on the operator panel to access the following sections.

- 'Basic'
- 'Paper'
- 'Layout'
- 'Extra'.

Graphical information

The left-hand side of the job editor displays graphic information about the copy job settings for copy jobs (and mailbox jobs). The information is described in the table below. (Please note that some information is fixed for mailbox jobs and variable for copy jobs.)



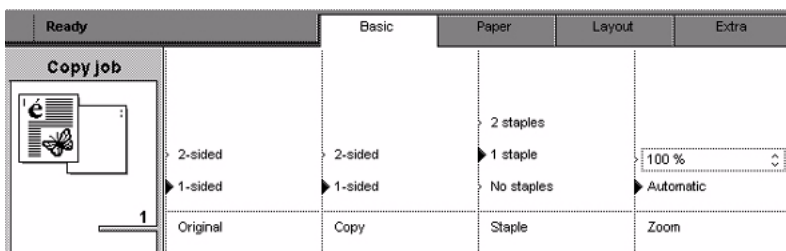
[31] Graphical feedback

Number	Graphical information
1	Title and number of the copy job (or mailbox job)
2	Staple indication: 0, 1 or 2 staples
3	1-sided or 2-sided
4	Document orientation
5	Document type

Number	Graphical information
6	Document size (variable for copy jobs only)
7	Margin shift
8	Subset number (for copy jobs only)
9	Number of copies

[28] Graphical information

The settings in the 'Basic' section



[32] The 'Basic' section

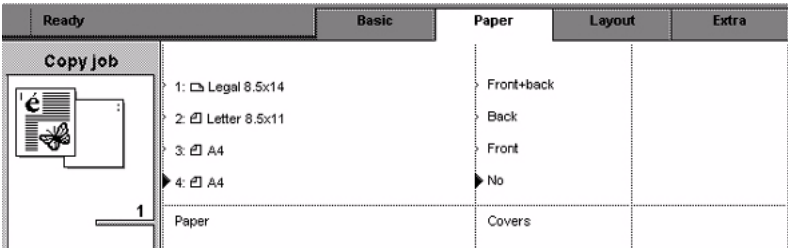
The following table describes the settings.

Settings	Description
'Original'	The setting describes if the originals must be scanned '1-sided' or '2-sided'.
'Copy'	This setting describes if the copies must be '1-sided' or '2-sided'.
'Staple'	This setting allows you to set the number of staples. You can set 0, 1 or 2 staples. Note: <i>The position of 1 staple depends on the selected original document type (landscape stapling possible).</i>
'Zoom'	The setting has the following options. ■ 'Automatic'. This function resizes the information on the original to fit on a copy with a different paper size. The automatic function uses fixed conversion values. ■ Manual setting. The zoom range is between 25% and 400%.

[29] The settings in the 'Basic' section

Note: *The settings of the 'Basic' section for a copy job are not the same as the settings of the 'Basic' section for a print job. The 'Basic' section for a print job has less options (see 'Edit a mailbox job' on page 83).*

The settings in the 'Paper' section



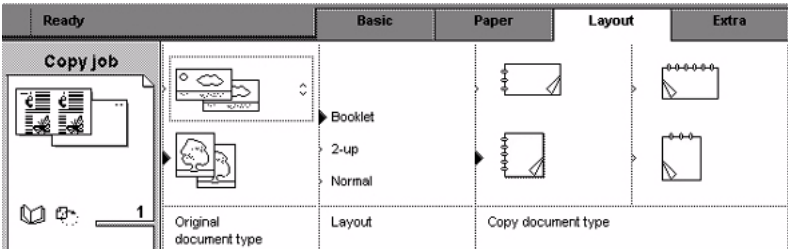
[33] The 'Paper' section

The following table describes the settings.

Settings	Description
'Paper'	This setting allows you to indicate the paper tray. The setting also indicates the paper in the paper tray and the orientation of the paper in the paper tray.
'Covers'	You can use the setting to define the use of covers for your document. ■ 'Front+back' ■ 'Back' ■ 'Front' ■ 'No' You must indicate to the system in which paper tray you put the covers.

[30] The settings in the 'Paper' section

The settings in the 'Layout' section



[34] The 'Layout' section

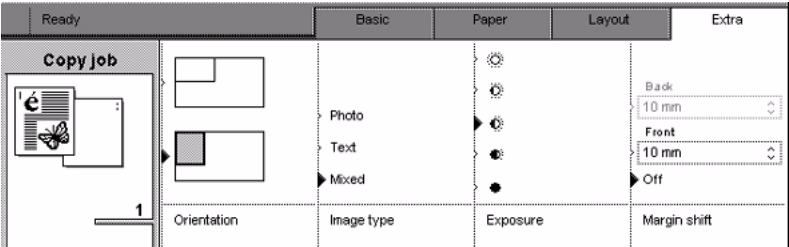
The following table describes the settings.

Settings	Description
'Original document type'	The setting allows you to indicate how the information is displayed on the original. A figure at the left-hand side on the operator panel presents the display of the information. You have the following options (use the arrow keys to access the 2 topmost options, the values Portrait, book or Landscape, book are displayed by default.) ■ Landscape, book ■ Portrait, book ■ Landscape, calendar ■ Portrait, calendar Note: <i>You can only change this setting for a copy job or scan job. The value is fixed for a print job.</i>

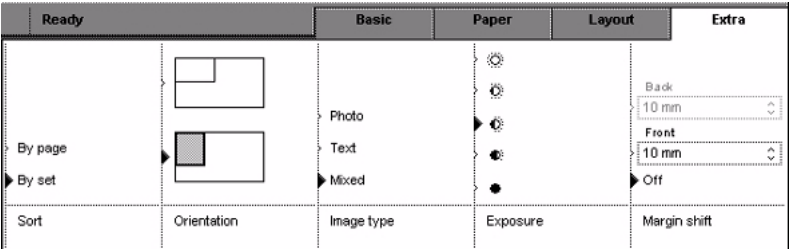
Settings	Description
'Layout'	The setting allows you to print more than 1 image on a sheet. You have the following options. ■ 'Booklet' The system prints 2 images per sheet. The system automatically prints your job 2-sided. The system shuffles the pages so that a booklet is created when you fold the copies. ■ '2-up' The system prints 2 images per sheet. When you select '1-sided', the next 2 images are printed on a new sheet. When you select '2-sided', the next 2 images are printed on the rear of the sheet. ■ 'Normal' Your job is copied with no special layout settings. Note: <i>When you select 'Booklet' or '2-up' the system copies the images, when possible, 1:1. For example, when you copy A4 originals, the images are printed on A3.</i>
'Copy document type'	The setting allows you to select the binding edge of the copies. A figure at the left-hand side of the operator panel displays the result after you select a value for a particular binding edge. You have the following options. ■ The portrait copy turns on the long edge. ■ The landscape copy turns on the short edge. ■ The portrait copy turns on the short edge. ■ The landscape copy turns on the long edge. Note: <i>It can occur that the original document type and the copy document type that you select, have a different content orientation. For example, the original is a portrait document and the copy is a landscape document. When this situation occurs, the system resizes the information on the portrait original to fit on the landscape copy.</i>

[31] The settings in the 'Layout' section

The settings in the 'Extra' section



[35] The 'Extra' section without 'Sort' option



[36] The 'Extra' section with 'Sort' option

The following table describes the settings.

Settings	Description
'Sort'	■ 'By page'. The output is sorted in the order 111, 222, 333. ■ 'By set'. The output is sorted in the order 123, 123, 123. Note: The setting is only visible when the key operator enables the setting 'Display expert settings' in the Océ Settings Editor. When the setting is enabled, the 'Extra' section contains 5 settings. Then the graphical feedback at the left-hand side is not visible.
'Orientation'	You can use the setting when you scan the original from the glass plate and the original is small enough to make a scan in 2 directions (A3 can only be scanned in 1 direction on the glass plate). Note: This setting is read-only for the originals that you put in the automatic document feeder.

Settings	Description
'Image type'	You can use the setting to select the required image quality for the following types of information. ■ 'Photo', for originals that mainly contain pictures or images. ■ 'Text', for originals that mainly contain text. ■ 'Mixed', for originals that contain a combination of text and pictures. Note: <i>The system scans the originals with the optimal settings for each image type.</i>
'Exposure'	You can use the setting to change the brightness of the images. ■  to make the lightest possible copies ■  to make lighter copies ■  to make a 1:1 copy ■  to make darker copies ■  to make the darkest possible copies
'Margin shift'	This setting allows you to indicate the distance between the information on the sheet and the binding edge. When you increase the margin shift, the information on the sheet is shifted away from the binding edge of the copy.

[32] The settings in the 'Extra' section

Correct the settings for a copy job

Introduction

Task for operators

You can define or change the settings of a copy job until you press the Start key  or the Set-build key . When you create a copy job, you open the job editor. There you select the required job settings. Use the Correction key  to correct the settings.

How to correct the quantity setting for a copy job

- 1 Press the Correction key  one time to reset the quantity setting (number of prints).
- 2 Use the numeric keys to enter a new value.
- 3 Press the Start key  to send the job to the job queue.

How to correct the settings in the copy job sections

- 1 Press the Correction key  two times to reset the values in the 4 sections of the job editor. This action changes all the copy job settings back to the default value.
- 2 Use the function keys above the operator panel to access the 4 copy job sections.
- 3 Use the function keys below the operator panel to define the settings for each section.
- 4 Press the Start key  to send the job to the job queue.

Copy special originals and originals of a non-standard size

Introduction

Task for operators

Special originals can cause problems in the automatic document feeder. Use the glass plate to copy special originals. When you use the glass plate, you must use the Set-build key  to make 2-sided copies.

Special originals are the following.

- Pages from a bound original like a book or a magazine
- Damaged or curled originals
- Originals of a non-standard size.

When the original is put on the glass plate, the sheet size and the orientation of the original are not automatically detected. The Océ VarioPrint 2090 uses a number of rules to calculate the size and the orientation. These rules are the following.

- The sheet size of the original and the default sheet size of the print are the same, standard sizes.
- The default sheet orientation is a vertical orientation.
- The zoom value for the print is 'Automatic'.

For example, the default size of the paper in the paper trays is A4 paper. The Océ VarioPrint 2090 then calculates that the original on the glass plate is an A4 original with portrait orientation.

To copy an original of a non-standard size and orientation, you must manually set the sheet orientation to vertical (portrait) or horizontal (landscape).

Make sure that the original fits in the following ranges.

- The minimum size for the short edge is 10 mm. The maximum size for the short edge is 297 mm.
- The minimum size for the long edge is 10 mm. The maximum size for the long edge is 432 mm.

You can not use the 'Automatic' setting for zoom to copy an original of a non-standard size and orientation to a different size. Then you must adjust the zoom setting by hand.

How to copy special originals from the glass plate

- 1 Put the original on the glass plate, in the upper left corner. Make sure that the original is in readable form, that is face down and in horizontal orientation or vertical orientation.
- 2 Press the function key 'Copy'(see '*Types of copy job settings*' on page 100).
- 3 Press the function key 'Zoom' to select the percentage box.
- 4 Use the arrow keys to select the required zoom factor.
- 5 Press the function key 'Layout'.
- 6 Press the function key 'Original document type' to select vertical or horizontal. This setting describes how the information is mapped on the original.
- 7 Press the function key 'Extra'.
- 8 Press the function key 'Orientation' to define the way in which the original is put on the glass plate.
- 9 Press the Start key  to send the copy job to the job queue.

Stapled copies

Introduction

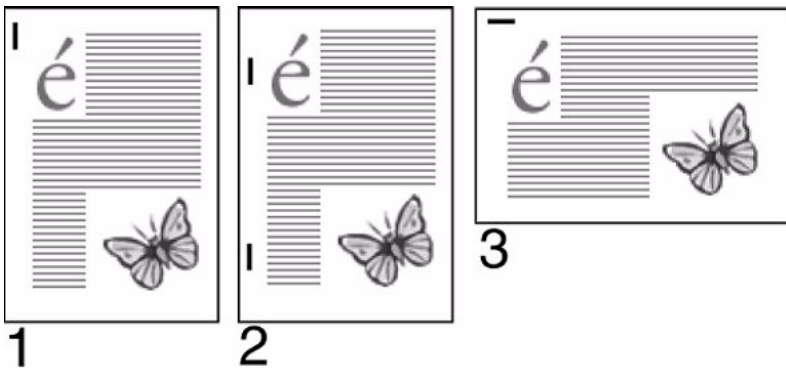
Task for operators

The finisher of the Océ VarioPrint 2090 has two staplers to staple sets. The finisher can also have an off-line stapler.

You can staple documents as follows.

- 1 staple in portrait direction
- 2 staples in portrait direction
- 1 staples in landscape direction.

Select the correct document type to create a document with a landscape staple.



[37] Staple function

The screen displays a dialogue if your set is too thick to staple. The stapler cannot handle sets of more sheets than 80 sheets or sets thicker than 8.25 mm. The number of 80 sheets was defined for Océ Red Label paper of 80 g/m² (20 lb bond). If you see the dialogue described above, you can do the following.

- Continue without staples.
- Cancel the job.

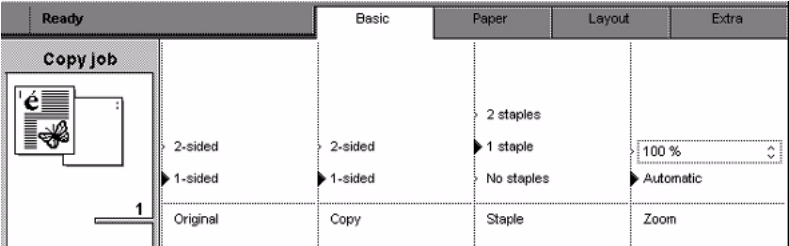
If one of the staplers is empty or runs empty, the screen displays a dialogue. You can do the following.

- Continue without staples.
- Refill the staplers.
- Cancel the job.

Before you begin

- 1 Remove any staples or paper clips.
- 2 Check that the originals in the automatic document feeder have the same size.
- 3 Check that the originals are not curled.

Illustration



[38] Settings for 1 staple

How to staple the copies

- 1 Put the originals face down and in readable form into the automatic document feeder.
- 2 Use the original guides to align the original.
- 3 Select the function key for 'Copy'.
- 4 Use the function key 'Staple' to define the number of staples.
- 5 Define the required settings in the other 3 sections ('Paper', 'Layout' and 'Extra') (see '*Types of copy job settings*' on page 100).
- 6 Enter the number of copies.
- 7 Press the Start key .

How to staple a landscape oriented document

- 1 Follow the steps 1-3 from the previous paragraph.
Note: *You can use only 1 staple for a landscape oriented document.*
- 2 Select the 'Layout' section.
- 3 Set the 'Original document type' setting to landscape.
- 4 Set the 'Copy document type' setting to landscape. This setting allows you to describe the orientation and binding edge of the copy.
Note: *If you change the settings, the left part of the operator panel shows the result of these changes.*
- 5 Define the required settings in the other 3 sections 'Basic', 'Paper' and 'Extra'(see 'Types of copy job settings' on page 100).
- 6 Enter the number of copies.
- 7 Press the Start key .

Extended copies

Combine subsets into one document

Introduction

Task for operators

The Océ VarioPrint 2090 allows you to create your documents and make a report, a manual or a brochure. Combined (built) documents can include different parts like a title page, the table of contents, the various chapters and the appendices. You can scan some parts of the document 1-sided and other parts 2-sided. You can print the different parts of a document on cover material and separation sheets. You can insert for example pre-printed paper and blank pages.

Subsets

A subset of a document is a number of pages to process in a defined way, for example print on red paper. When the required processing method changes, a new subset begins. When you process parts of a document in different ways, you must divide the document into subsets.

The Set-build key

Use the Set-build key  to scan different subsets.

When you use the Set-build key, the following settings apply to the whole document.

- The staple settings.
- The number of copies.

Remember that you can only combine hardcopy originals into a set-build job. You can not use the set-build key for digital documents in the mailbox. You can only use originals from the glass plate or the automatic document feeder. Use the 'Copy' function on the operator panel to start a set-build job.

The automatic document feeder

Use the automatic document feeder to copy a set of originals. You can put a maximum of 75 originals into the automatic document feeder. This number refers to A4 originals of 80 g/m² (20 lb bond).

- The originals must have the same size.
- The originals must not be smaller than 140 x 203 mm.
- The originals must not be larger than 297 x 432 mm.
- The weight of the originals can be between 60 and 170 g/m².

Note: *Make sure that the size is one of the supported standard formats if you use the automatic document feeder.*

Before you begin

- 1 Divide your documents into subsets.
- 2 Arrange the different subsets in the required order.

How to combine subsets into 1 document

- 1 Put your first subset into the automatic document feeder, or put the first original on the glass plate.
- 2 Press the function key 'Copy'.
- 3 Define the settings for the original and the copy in the 'Basic', 'Paper', 'Layout' and 'Extra' sections on the operator panel (see '*Types of copy job settings*' on page 100).
- 4 Press the Set-build key .
The first subset is scanned.
- 5 Prepare and scan the following subsets as described in the steps 2 - 4 above.
- 6 Press the Start key  after you scanned the last subset.
The job is sent to the job queue.

Concatenation and chapterization

Introduction

Information for operators

The Set-build key  of the Océ VarioPrint 2090 combines different originals, the subsets, into one document. For example a report or a book. You can change 1-sided originals into 2-sided documents. If the combination of your originals results in an odd number of pages, an empty page can separate your subsets.

The Océ VarioPrint 2090 detects this odd number of pages that results from the set-building process. The system allows you to delete the empty page or keep the empty page. The concatenation and chapterization functions allow you to indicate how the system must combine the subsets.

About concatenation and chapterization

When you use the Set-build key  to combine subsets, an odd number of pages can occur. When the system detects an odd number of pages, you can start the next subset on the rear of the last sheet, or on a new sheet. You can also indicate if you want to use this setting for the whole document or only for this subset.

Concatenation

You decide to print the next subset on the empty page (do not keep the empty page). The subsets are combined without an empty page, like the links of a chain.

Chapterization

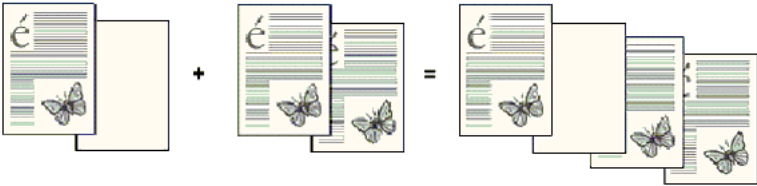
You decide to keep the empty page and start the next subset on a new sheet (a new chapter starts on a new sheet). An empty page separates the subsets, just like the chapters of a book.

The following figure shows an example of concatenation.



[39] Concatenation

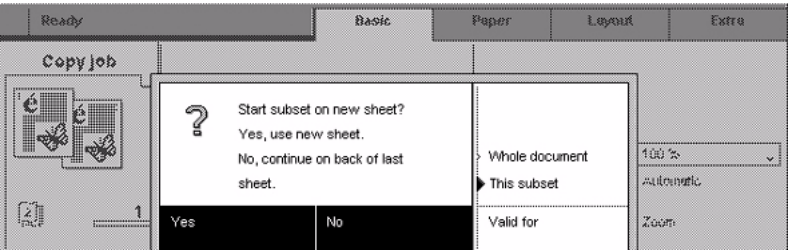
The following figure shows an example of chapterization.



[40] Chapterization

Use concatenation and chapterization

When the system detects an empty page, the operator panel displays the following message.



[41] Start subset on a new sheet

If you select...	Then
'Yes, use new sheet'	The first subset has an empty rear sheet, which is not used. The next subset starts on a new sheet. This is called chapterization.
'No, continue on back of last sheet'	The next subset starts on the rear of the last sheet of the previous subset. There is no empty page between the two subsets. This is called concatenation.
'Whole document'	The next subsets all have the same setting.
'This subset'	The setting is used for this subset only.

[33] Concatenation and chapterization settings

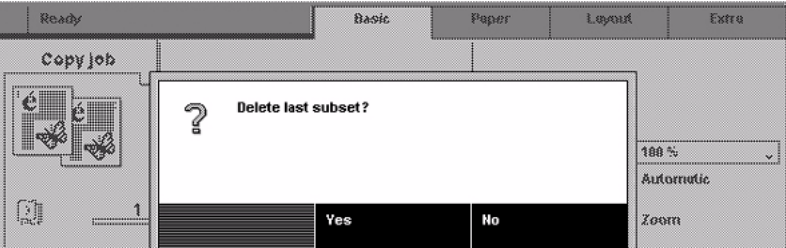
Delete subsets

Introduction

Task for operators

Use the Correction key  to delete subsets. When you press the Correction key, the Océ VarioPrint 2090 removes the last scanned subset. You can delete as many subsets as needed, one by one.

Illustration



[42] Delete a subset

How to delete subsets

- 1 Press the Correction key . See the table below for the results.

If you press the Correction key...	Then
One time	The number of copies is reset to one Note: <i>If the number of copies was already one, the system resets the job settings to the default values after just one press of the Correction key</i>
Two times	The job settings in the four sections on the operator panel are reset to the default values
Three times	The last subset is deleted. First you must confirm this message 'Delete last subset?' 'Yes'/'No'

[34] Correction key behaviour

- 2 Select 'Yes' to delete the subset.
- 3 Press the Correction key  again.
The following message appears. 'Delete last subset?' 'Yes'/'No'.
- 4 Repeat step 3 until all the incorrect subsets are deleted.

Create a booklet

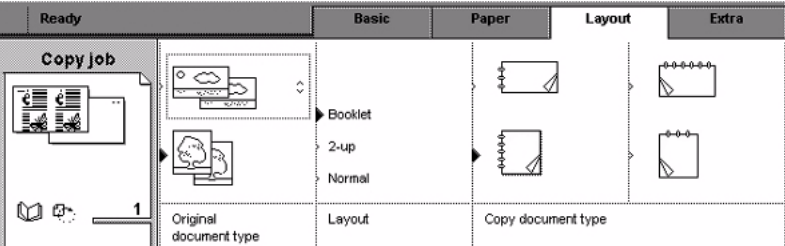
Introduction

Task for operators

The Océ VarioPrint 2090 allows you to create a booklet. The system shuffles the originals in such a way that a booklet is created when you fold the copies. When you select the 'Booklet' option, the 'Copy' setting is set to '2-sided'.

Note: *You can also create a booklet with the Océ VarioPrint 2090 printer driver.*

Illustration



[43] Create a booklet

How to create a booklet

- 1 Put the originals in the automatic document feeder.
- 2 Press the function key 'Copy'.
- 3 Press the upper function key 'Layout'.
- 4 Press the lower function key 'Layout' to select 'Booklet'.
The graphical feedback displays the booklet icon .
- 5 Enter the number of copies.
- 6 Press the Start key .

Stop the scanning of a copy job

Introduction

Task for operators

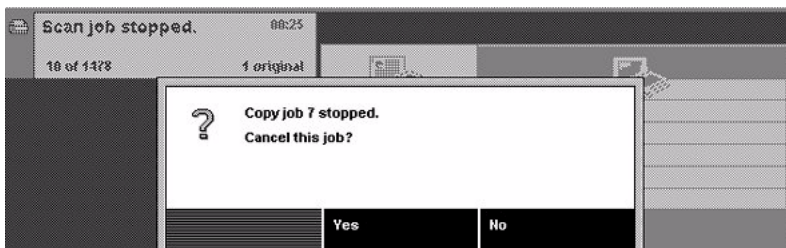
When you make a copy, the Océ VarioPrint 2090 first scans the documents that are in the automatic document feeder or on the glass plate. The documents in the automatic document feeder are separated first and then scanned.

You can stop the scanning process with the Correction key  on the operator panel. If you press the Correction key, the scanner first scans the originals that were separated in the automatic document feeder and then stops.

The screen displays the message 'Cancel this job?' with two options.

- 'Yes'
- 'No'

Illustration



[44] Stop scanning

How to stop scanning

- 1 Press the Correction key  on the operator panel while the scanner scans the originals.

Result

- The scanning of the originals stops.
- The message 'Cancel this job?' appears. Select 'Yes' to cancel or 'No' to resume the job.
- If you select 'Yes', the job is removed from the job queue.

Note: If you use the Set-build key , the cancel option only cancels the last subset, not the job in the job queue (see 'Delete subsets' on page 118).

Note: If you cancel a scanning process that is part of a copy job, the copy job is also cancelled.

Chapter 8

The scan function



Configure the scan-to-file function

Introduction to the scan-to-file function

Introduction

Information for operators, system administrators

One of the options for the Océ VarioPrint 2090 is the scan-to-file function. The scan-to-file function provides a way to convert the information of a physical document into a digital document. The Océ VarioPrint 2090 supports the Adobe® Portable Document Format (PDF) and the TIFF format for scan jobs. You can only use this scan-to-file function if you installed a valid license.

When you scan a document to file, the generated file is exported to a folder or digital storage area on a scan server. The export mechanism is normally FTP. You can get the file from this destination folder on the scan server.

Definition

When you scan a document to file, you must first select a **scan profile**. A scan profile is a combination of the following preset settings for scan jobs.

- The destination for the resulting file
- The resolution
- The file format.

Your company can use many scan profiles. For example, each department can have a scan profile to archive the files, a scan profile to display the files on screen and a scan profile to print the files. An example of a scan profile is 'Purchasing, 300 dpi, TIFF'.

When you use a scan profile, your document is scanned with the resolution defined in the scan profile. The generated file has the format and the location indicated in the scan profile. The file name, scan resolution and file format are fixed. You cannot change these items on the operator panel.

There are some settings that you can change, but only for the **current** scan job. You can change the settings for 'Original', 'File' and 'Image quality'(see '*Types of scan job settings*' on page 136).

The 'Info' tab only displays an overview of the main settings and the file name of the scan job.

You can select a scan profile on the base of three items. These items were included when the scan profile was defined in the Océ Settings Editor. You cannot change these items on the operator panel.

Item	Definition
Name	The name can indicate a departmental directory or a department.
Resolution	The resolution indicates the number of dots per inch. You can select 300 dpi or 600 dpi.
File format	Select the TIFF format, if you require a general format, compatible with a range of graphical applications. Remember that a TIFF file can be large in size. Select the PDF format, if you require a format that is compatible with the Acrobat® applications. A PDF is a file with compressed graphics and text. This format matches all print systems and is common in the Internet environment.

[35] The contents of a scan profile

Tasks for system administrators to maintain the scan-to-file function

The system administrator must do the following to enable and maintain the scan-to-file function.

- Configure the scan server.
- Configure the export function for the scan jobs.
- Create the scan profiles.
- Download the scan profiles from the Océ Settings Editor to change the settings of the scan profile.
- Upload the scan profiles to the Océ Settings Editor after the settings are changed.
- Install the scan server to which the files are sent.

Note: *See the on-line help of the Océ Settings Editor for more information about the above tasks of the system administrator.*

The configuration of the scan-to-file function

Introduction

Information for system administrators

The scan-to-file function is an optional function that enables you to scan analogue or physical documents and create digital files. You must configure the following items to make this scan-to-file function operational.

- 1 The scan server
- 2 The scan settings in the Océ Settings Editor
- 3 The settings for the Scan Job Ticket (SJT).

Scan-to-file function

The table below shows the actions that are necessary to configure the items in the list.

Step	Action
1	■ Define a scan server on the network to store the scan jobs ■ Create an FTP account (a user name, a password and a destination directory) on the scan server ■ Share the destination directory under the FTP root on the scan server.
2	■ Access the scan-to-file settings and the scan server settings in the Océ Settings Editor. ■ Define the settings for the scan server (see ‘<i>Configure the scan server</i>’ on page 128).
3	■ Access the settings for the scan job ticket in the Océ Settings Editor. ■ Define the settings for the Scan Job Ticket (see ‘<i>About the scan profiles file</i>’ on page 135).

[36] Scan-to-file function

Configure the scan server

Introduction

Task for system administrators

When you use the scan-to-file function, the generated file is sent to a predefined location, the scan server. The scan server is a designated server in your network that stores the scan-to-file jobs that you create on the Océ VarioPrint 2090 .

Purpose

When the scan server on the network is defined, you must configure a number of scan server settings in the Océ Settings Editor.

You must configure the following settings to access the scan server.

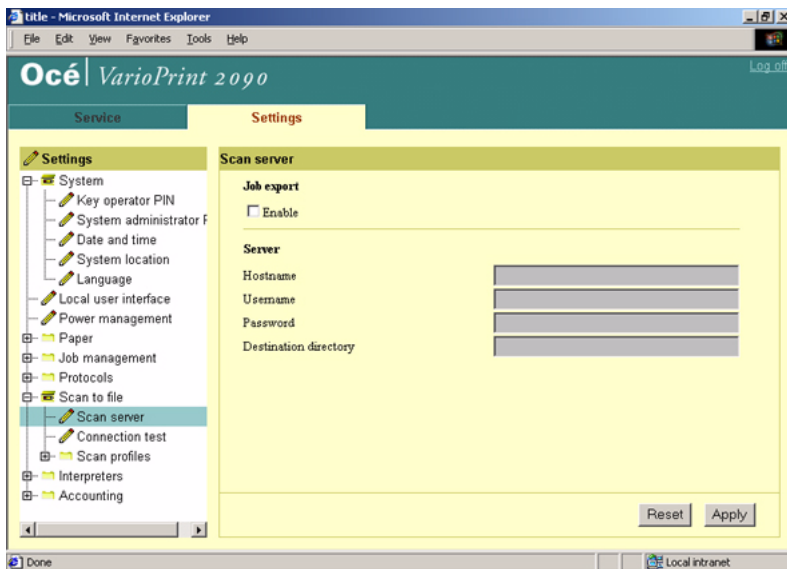
- Host name
- User name
- Password
- Destination directory.

You can do a connection test to check the settings on the scan server. Do this connection test when a communication problem with the scan server occurs.

Before you begin

Start the Océ Settings Editor in your web browser in the system administrator mode.

Illustration

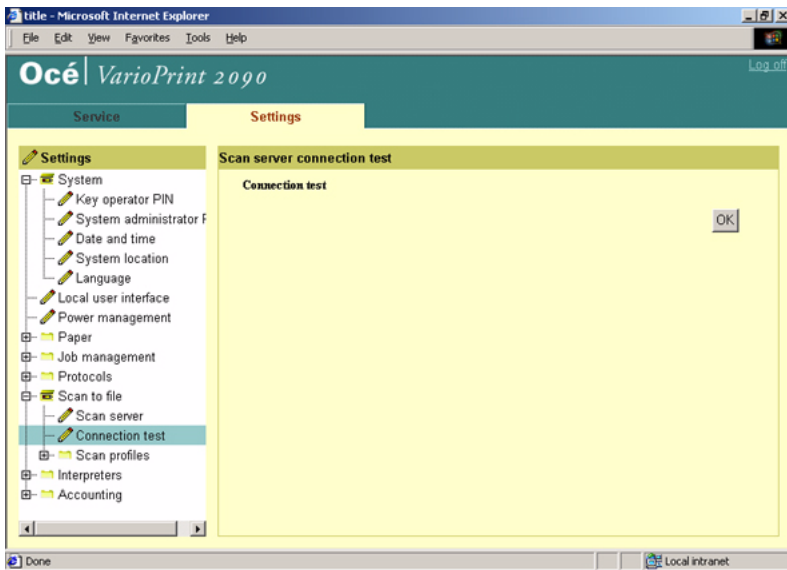


[45] The scan server settings

How to define the scan server settings

- 1 Select 'Settings' in the title bar of the Océ Settings Editor.
- 2 Click 'Scan to file'.
- 3 Click 'Scan server'.
- 4 Enter the host name.
- 5 Enter the user name.
- 6 Enter the password.
- 7 Enter the destination directory.
- 8 Click 'Apply' to confirm the settings.

Illustration



[46] Test the connection

How to test the connection to the scan server

- 1 Select 'Settings' in the title bar of the Océ Settings Editor.
- 2 Click 'Scan to file'.
- 3 Click 'Connection test'.
- 4 Click 'OK'.

Configure the scan job export function

Introduction

Task for system administrators

When you scan an analogue document on the Océ VarioPrint 2090 , the document is exported to and saved on the scan server. The connection to the scan server is established through a scan job export. If the scan-to-file function is active, you must enable the 'Job export' setting.

The capacity of the export buffer is limited. The situation can occur that the maximum capacity of the export buffer is reached. The Océ VarioPrint 2090 displays an error message when the export buffer is full.

The export buffer keeps the jobs for 48 hours. After 48 hours, the jobs are deleted.

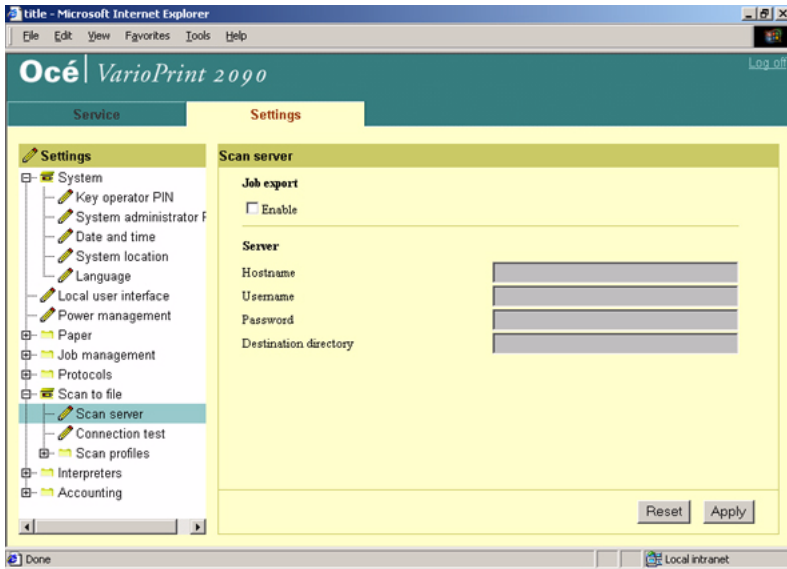
When to do

In some maintenance or error situations, there must be an option to disable the scan job export function. For example when you must reset scan server settings or network settings. You can put the export of scan jobs on hold. The scan jobs remain in the export buffer.

Before you begin

Start the Océ Settings Editor in your web browser in the system administrator mode.

Illustration



[47] Enable the scan job export

How to enable and disable the scan job export

- 1 Select 'Settings' in the title bar of the Océ Settings Editor.
- 2 Click 'Scan to file'.
- 3 Click 'Scan server'.
- 4 Click the check box for 'Job export'.
A check mark indicates that the 'Job export' is enabled.
An empty check box indicates that the 'Job export' is disabled.
- 5 Click 'Apply' to confirm the setting.

Check the export status of a scan job

Introduction

Task for system administrators

Jobs that you scan on the Océ VarioPrint 2090 go to the scan job export buffer. Then the system sends the jobs to the scan server. If a scan-to-file job is not available on the scan server, you can check the status of the scan job in the scan job export buffer.

You can check a number of details for the last exported scan-to-file job in the Océ Settings Editor. These details are the following.

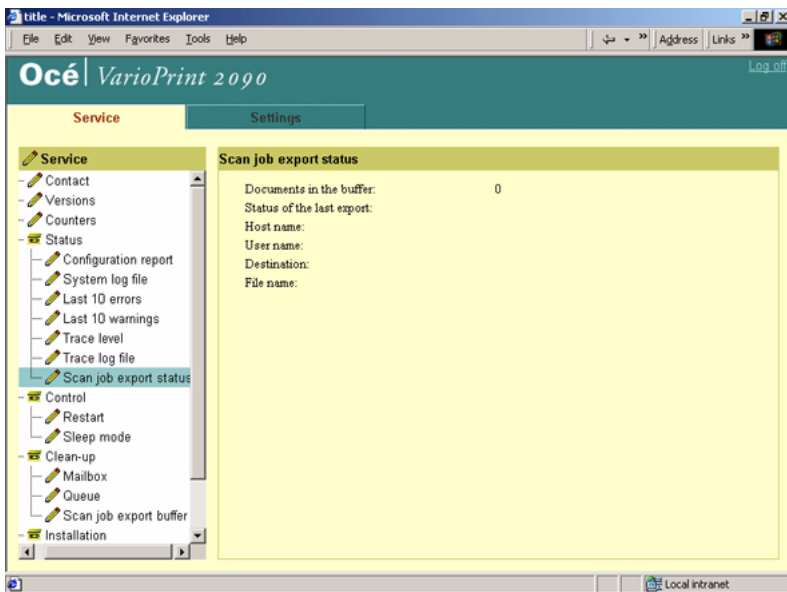
Information	Description
Documents in the buffer	The total number of documents in the export buffer
Status of the last export	Indication whether the export has failed
Host name	Host name of the scan server
User name	User name defined to access the scan server
Destination	Target directory on the scan server
File name	Name of the scan job

[37] The export status of a scan job.

Before you begin

Start the Océ Settings Editor in your web browser in the system administrator mode.

Illustration



[48] Check the export status

How to check the export status of a scan job

- 1 Select 'Service' in the title bar of the Océ Settings Editor.
- 2 Click 'Status'.
- 3 Click 'Scan job export status'.

About the scan profiles file

Introduction

Information for system administrators

The scan profiles are templates that you can access on the operator panel of the Océ VarioPrint 2090 . The scan profiles are stored in a file on the Océ Smart Imager. The file has the name sjt.csv (Scan Job Ticket). You can download the file from the Océ Smart Imager and edit the contents.

After you update the file, you can upload the file to the Océ Smart Imager. The changed file overwrites the previous file.

You can define the file name in the sjt.csv file. The file name is a combination of the following elements: <prefix>_<number that the user entered>_<date>_<time>_<postfix>.<extension>.

The following table describes the elements. The format for <date> is yyyyymmdd. The format for <time> is hhmmss. The 24-hour notation is used.

About the .csv file

The system creates .csv files. The system administrator can define the field separator (comma or semicolon) in the Océ Settings Editor.

The .csv file format is based on a text file format that consists of a sequence of lines of text. A line of text is an ordered sequence of characters. The last characters indicate the end of line.

The settings in the scan profiles file

The scan profiles contain the default job settings. The scan profiles file contains information about for example the format, resolution and identification of a job.

For each job, you can change a number of scan profile settings on the operator panel. The changes on the operator panel are only valid for the current scan job. You can not change the template on the operator panel. You can only change the default settings of a scan profile after you download the sjt.csv file from the Océ Smart Imager. You can open the file with an application of your choice, for example Microsoft® Excel.

Use the scan-to-file function

Types of scan job settings

Introduction

Information for operators

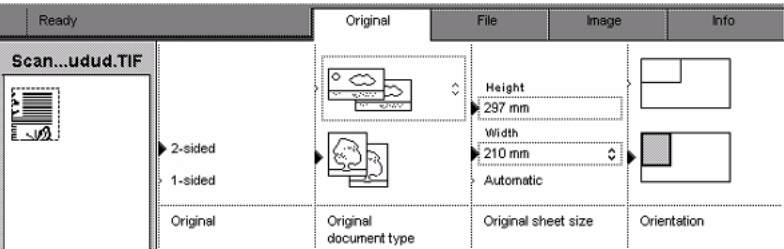
When you select a scan profile on the operator panel of the Océ VarioPrint 2090, you can change some settings. A scan profile contains two types of settings.

- Fixed settings. These settings are the destination, the resolution and the file format of the scan job.
- Settings that you can change, like the settings for 'Original', 'File' and 'Image'.

After you select a scan profile, you can press the function key 'Edit...' to change the settings for the **current job**. Your changes are not saved to the scan profile. Only the system administrator can change the default settings of a scan profile permanently (see ‘About the scan profiles file’ on page 135).

Note: You can check the main properties of the scan job in the 'Info' section.

The settings in the 'Original' section



[49] The 'Original' section

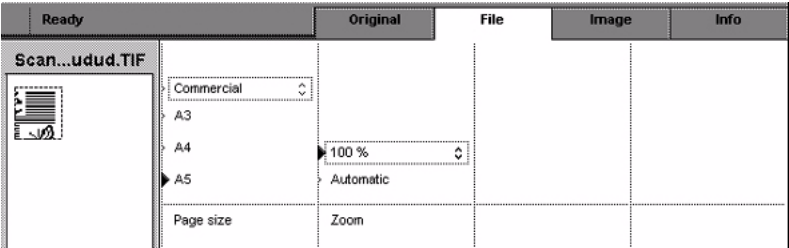
The following table describes the settings.

Settings	Description
'Original'	This setting describes if the originals are scanned '1-sided' or '2-sided'.
'Original document type'	This setting allows you to indicate the layout of the information on the original. A figure at the left-hand side on the operator panel shows the layout of the information. You have the following options. ■ Landscape, book ■ Portrait, book ■ Landscape, calendar ■ Portrait, calendar The values Portrait, book and Landscape, book are displayed. Use the scroll buttons to access the 2 other, topmost options. Note: <i>You can only change this setting for a copy job or scan job. The setting is fixed for a print job.</i>

Settings	Description
'Original sheet size'	This setting has the following options. ■ 'Automatic'. When you use the automatic document feeder, sensors determine the size. When you use the glass plate, the size is determined by the size of the required file divided by zoom. ■ 'Width' / 'Height'. You can define the size of a non-standard size original on the glass plate. You can increase and decrease the size in small steps of 1 mm (US: 1/24") or large steps of 5 mm (US: 6/24"). Note: <i>You can define the size of an original in a scan profile. The system uses that value for scan jobs from the glass plate. You can change the size for the current job in the 'File' section. The system does not use the value in the scan profile for jobs from the automatic document feeder. The size that the sensors detect always overrules the size in the scan profile.</i>
'Orientation'	You can use this setting when you scan the original from the glass plate and the original is small enough to make a scan in 2 directions (A3 can only be scanned in 1 direction on the glass plate). Note: <i>This setting is read-only for the originals that you put in the automatic document feeder.</i>

[38] The settings in the 'Original' section

The settings in the 'File' section



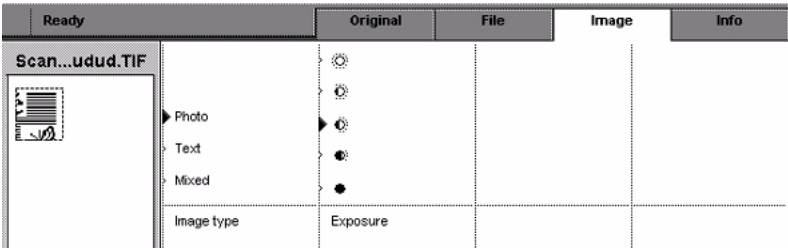
[50] The 'File' section

The following table describes the settings.

Settings	Description
'Page size'	The setting allows you to define the size of the bitmap that results from the scan-to-file job. You can select one of the following standard sizes. ■ A4 (US: Letter) ■ A3 (US: Ledger) ■ A5 (US: Legal). You can also select a non-standard size from the scroll box.
'Zoom'	The setting has the following options. ■ 'Automatic'. This function resizes the information on the original to fit on a bitmap with a different paper size. The automatic function uses fixed conversion values. ■ Manual setting. The zoom range is 25% - 400%.

[39] The settings in the 'File' section

The settings in the 'Image' section



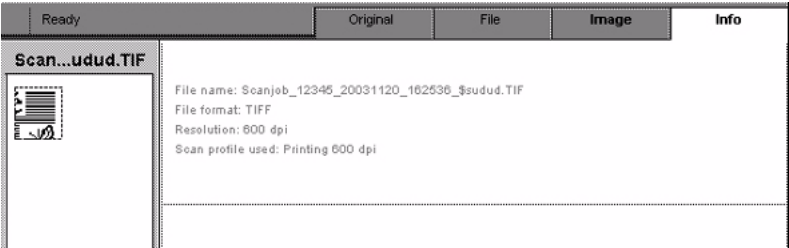
[51] The 'Image' section

The following table describes the settings.

Settings	Description
'Image type'	■ You can use the setting to select the required image quality for the following types of information. ■ 'Photo', for originals that mainly contain pictures or images. ■ 'Text', for originals that mainly contain text. ■ 'Mixed', for originals that contain a combination of text and pictures. Note: The system automatically uses the optimal settings for each image type.
'Exposure'	You can use the setting to change the brightness of the images. ■ , to create the lightest possible images ■ , to create lighter images ■ , to create 1:1 images ■ , to create darker images ■ , to create the darkest possible images

[40] The settings in the 'Image' section

The information in the 'Info' section



[52] The 'Info' section

- The 'Info' section contains the following information for the scan job.
- The file name.
- The file format.
- The resolution.
- The scan profile that you used.

Scan special originals and originals of a non-standard size

Introduction

Task for operators

Special originals can cause problems in the automatic document feeder. Use the glass plate to scan special originals.

Special originals are the following.

- Pages from a bound original like a book or a magazine
- Damaged or curled originals
- Originals of a non-standard size.

When the original is put on the glass plate, the sheet size and the orientation of the original are not automatically detected. The Océ VarioPrint 2090 uses a number of rules to calculate the size and the orientation. These rules are the following.

- The sheet size of the original and the default page size of the file are the same, standard sizes.
- The default sheet orientation is a vertical orientation.
- The zoom value for the file is 'Automatic'.

For example, the default page size of the file is A4 size. The Océ VarioPrint 2090 then calculates that the original on the glass plate is an A4 original with portrait orientation.

To scan an original of a non-standard size and orientation, you must manually set the sheet orientation to vertical (portrait) or horizontal (landscape).

Make sure that the original fits in the following ranges.

- The minimum size for the short edge is 10 mm. The maximum size for the short edge is 297 mm.
- The minimum size for the long edge is 10 mm. The maximum size for the long edge is 432 mm.

You can not use the 'Automatic' setting for zoom to scan an original of a non-standard size and orientation to a different size. Then you must adjust the zoom setting by hand.

How to scan special originals from the glass plate

- 1 Put the original on the glass plate, in the upper left corner. Make sure that the original is in readable form. The readable form is face down and in horizontal orientation or vertical orientation.

Note: *Put the original in the upper left corner of the glass plate.*

- 2 Press the function key 'Scan'(see 'Types of scan job settings' on page 136).
- 3 Use the arrow keys to select a profile.
- 4 Press the function key 'Edit...'
- 5 Define the settings for the original in the 'Original' section.
- 6 Press the function key 'File'.
- 7 Define the page size of the file.
You can select a default page size. You can also define a page size in the percentage box.
- 8 Press the function key 'Image' to define the image type and exposure.
- 9 Press the Start key  to export the scan job to file.

Combine subsets into one file

Introduction

Task for operators

The Océ VarioPrint 2090 allows you to create your documents and make a report, a manual or a brochure. Combined (built) documents can include different parts like a title page, the table of contents, the various chapters and the appendices. You can combine different originals into one digital file.

Subsets

A subset of a document is a number of pages to process in a defined way. When the processing method changes, a new subset begins. When you process parts of a document in different ways, you must divide the document into subsets.

The Set-build key

Use the Set-build key  to scan different subsets.

Remember that you can only combine hardcopy originals into a set-build job. You can not use the Set-build key  for digital documents in the mailbox. You can only use originals from the glass plate or the automatic document feeder. Use the 'Scan' function on the operator panel to start a set-build job.

The automatic document feeder

Use the automatic document feeder to copy a set of originals. You can put a maximum of 75 originals into the automatic document feeder. This number refers to A4 originals of 80 g/m² (20 lb bond). Remember the following.

- The originals must have the same size.
- Use originals that are larger than 140 x 203 mm.
- Use originals that are smaller than 297 x 432 mm.
- The weight of the originals can be between 60 and 170 g/m².

Note: *Make sure that the size is one of the supported standard formats if you use the automatic document feeder.*

Before you begin

- 1 Divide your documents into subsets.
- 2 Arrange the different subsets in the required order.

How to combine subsets into 1 file

- 1 Put your first subset into the automatic document feeder, or put the first original on the glass plate.
- 2 Press the function key 'Scan'.
- 3 Select a scan profile.
- 4 If necessary, press the key for 'Edit...' to change the settings for the subset.
You can change the settings for 'Original', 'File' and 'Image quality'(see '*Types of scan job settings*' on page 136).
- 5 Press the Set-build key .
The first subset is scanned.
- 6 Prepare and scan the following subsets as described in the steps 2 - 5 above.
- 7 Press the Start key  after you scanned the last subset.
The job is exported to a file.

Stop the scanning of a scan job

Introduction

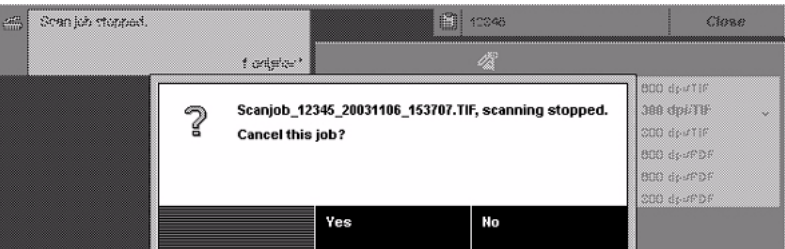
Task for operators

When you make a copy, the Océ VarioPrint 2090 first scans the documents that are in the automatic document feeder or on the glass plate. The documents in the automatic document feeder are separated first and then scanned. You can stop the scanning process with the Correction key  on the operator panel. If you press the Correction key, the scanner first scans the originals that were separated in the automatic document feeder and then stops.

The screen displays the message 'Cancel this job?' with two options.

- 'Yes'
- 'No'

Illustration



[53] Stop scanning

How to stop scanning

- 1 Press the Correction key  on the operator panel while the scanner scans the originals.

Result

- The scanning of the originals stops.
- The message 'Cancel this job?' appears. Select 'Yes' to cancel or 'No' to resume the job.
- If you select 'Yes', the job is removed from the job queue.

Note: If you use the Set-build key , the cancel option only cancels the last subset, not the job in the job queue.

Note: If you cancel a scanning process that is part of a copy job, the copy job is also cancelled.

Error messages and possible solutions

Introduction

Information for operators

The operator panel of the Océ VarioPrint 2090 can display an error message when you try to scan a document. An error can occur when a combination of settings is a not possible combination or the limit of the system capacity is reached.

Handle the error messages

The following errors are OREs, Operator Recoverable Errors. The table describes the possible error messages for scan jobs. The table also describes how you must react to each message.

Message	Action
'Maximum number of images scanned. Start a new job to scan the rest of the document'	The system memory is full. You can not scan more images for this job. Start the job. Scan the remaining originals as a new job.
'Maximum of 500 images imported'	You can not scan more than 500 images and combine them into a single TIFF or PDF file. Start the job. Scan the remaining originals as a new scan-to-file job.
'Please wait, scanning will continue soon...'	The system needs time to process the information and send the information to the scan server. No user interaction is required.
'Spool memory is almost full. No scan-to-file job can be started'	The maximum memory capacity on the Océ Smart Imager is reached. Use the Océ Settings Editor to empty the export buffer of the scan job.

[41] Messages and actions

Chapter 9

Add the supplies



Load the paper trays

Introduction

Task for operators, key operators

The Océ VarioPrint 2090 has 4 front-loading paper trays. All 4 paper trays can handle the same variety of copy materials (see '*Materials that can be used*' on page 174). You can add paper to the paper trays while the printer is running. When a paper tray is empty, the Océ VarioPrint 2090 automatically switches to another paper tray that contains the same paper.

The Océ Settings Editor contains the setting 'Paper tray locking'. The 'Paper tray locking' function is an electronic lock on the paper trays. The key operator can define in the Océ Settings Editor that the setting 'Paper tray locking' must be 'On' or 'Off'.

Note: *See the on-line help of the Océ Settings Editor for more information about the 'Paper tray locking'.*

When to do

You must load paper in the paper trays in the following situations.

- The paper tray is empty.
- The print job needs a special paper type.
- The print job needs covers or 'My Paper'.
- The paper tray does not contain the correct paper type.

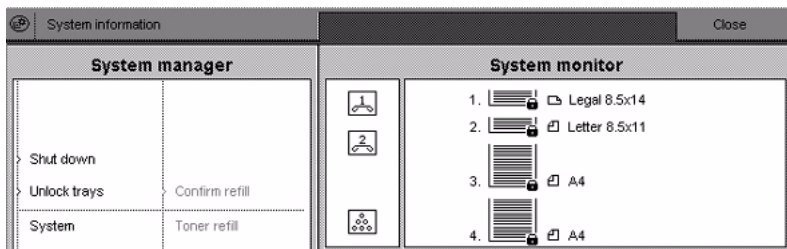
You can check the status of the paper trays on the operator panel. You can find the information in the 'System monitor' of the 'System information' section (see '*The 'System information' section*' on page 32).

You can also check the LED on the paper tray to see which paper tray is empty. The LEDs on the paper trays are off when the trays are full. When a paper tray runs empty, the LED blinks.

Note: *When the setting 'Paper tray locking' is enabled, a PIN code is required each time the paper trays are unlocked. The key operator must enter the same PIN code that is used to access the key operator settings in the Océ Settings Editor. Then you can refill the paper trays. Remember to lock the paper trays after you load the paper.*

How to unlock the paper trays

- 1 Press the System information key .
The following screen appears.

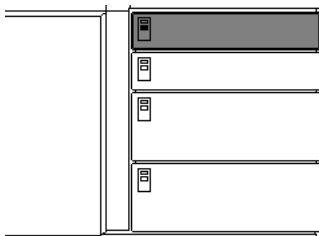


[54] Unlock the paper trays

- 2 Press the key for 'System' to select 'Unlock trays'.
- 3 Press the Start key .
A dialogue box appears.
- 4 Enter the PIN code.
All the paper trays are unlocked.

How to load the paper

- 1 Press the button on the front side of the paper tray to open the paper tray.



[55] Open the paper tray

The LED of the paper tray blinks rapidly while the plate inside the paper tray moves down.

- 2 Wait for the paper tray to unlock and open.
- 3 Take the paper from the pack.
- 4 Hold each pack of paper at the two short sides.
- 5 Bend the pack.
- 6 Put the paper into the paper tray.

Note: Load all oriented paper, for example company paper, always face down.

7 Adjust the paper guides.

The Océ VarioPrint 2090 can identify the paper size, based on the position of the paper guides.

Note: *You cannot set the paper type on the Océ VarioPrint 2090. You must define the paper types in Océ Intra Logic, the printer driver or another tool.*

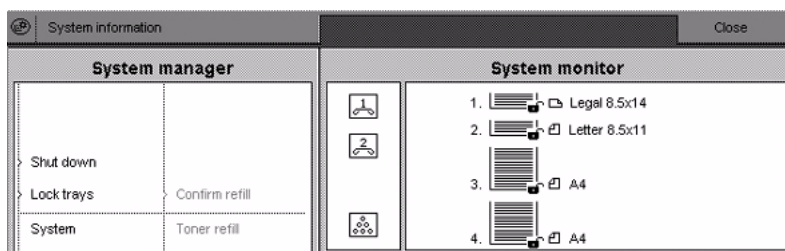
8 Close the paper tray.

The plate inside the paper tray moves up again. The LED on the paper tray is off.

How to lock the paper trays

1 Press the System information key .

The following screen appears.



[56] Lock the paper trays

2 Press the key for 'System' to select 'Lock trays'.

3 Press the Start key .

All the paper trays are locked.

Add the toner

Introduction

Task for operators, key operators

When the toner level of the Océ VarioPrint 2090 is low, the operator panel displays a toner icon  to inform the user of the status of the toner supply. The toner warning indication in the 'System information' section is highlighted when the toner level is low or all the toner is used.

Note: *Only add the toner when the operator panel displays the toner icon  and the warning message 'Toner level is low'.*

Attention: *Only use Océ F11 toner.*

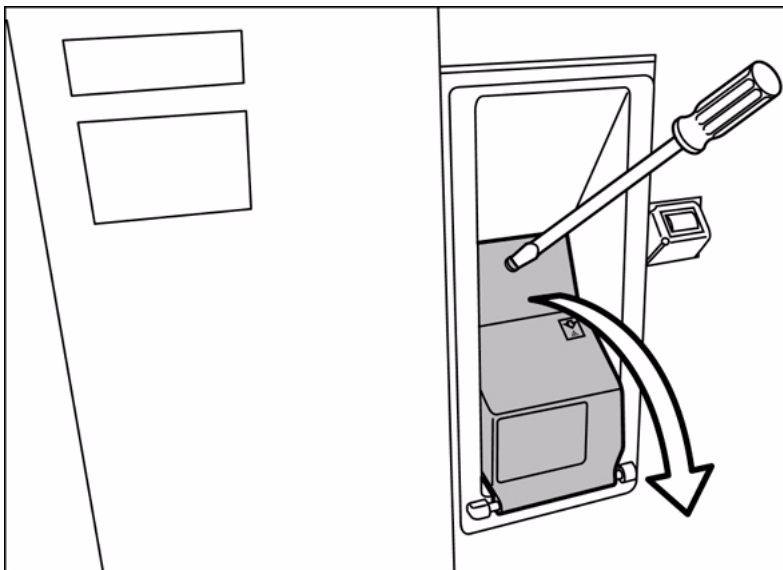
Attention: *Never add more than 1 bottle at a time.*

Attention: *The Océ VarioPrint 2090 must be switched on to add the toner.*

Attention: *If you spill toner, refer to the Safety data sheets in the Océ VarioPrint 2090 Safety manual for information about the removal and cleaning.*

How to access the toner reservoir

- 1 Open the left front door of the Océ VarioPrint 2090 .



[57] Open the front door

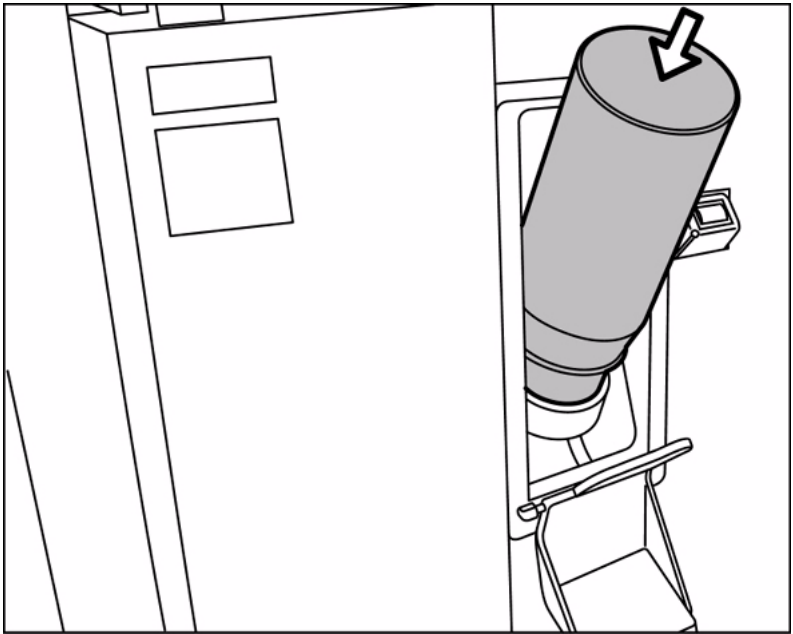
- 2 To open the reservoir, turn the screw of the toner reservoir anti-clockwise with a screwdriver or coin.
- 3 Pull the cover of the toner reservoir towards you.
- 4 Remove the cover of the toner reservoir.

How to add the toner

- 1 Shake the toner bottle well (see the instructions on the bottle).
- 2 Remove the screw cap from the bottle.

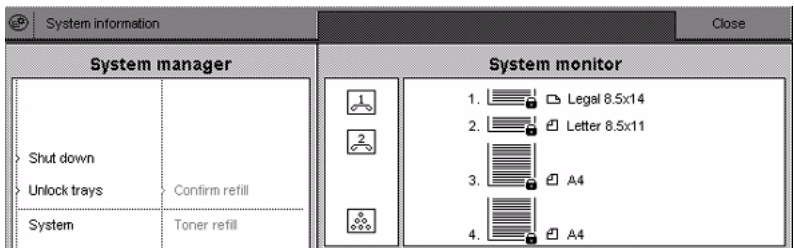
Note: *Do not remove the seal from the bottle.*

- 3 Check the ridge first to put the bottle into the right position. Then push the toner bottle into the toner reservoir. Remember that you can not rotate the bottle when the bottle is in the toner reservoir.



[58] Push the bottle into the reservoir

- 4 Remove the bottle when the bottle is empty. Be careful, do not spill toner.
- 5 Put the cap back on the empty toner bottle.
- 6 Close the cover of the toner reservoir.
- 7 Close the left front door.
- 8 Press the System information key  on the operator panel.



[59] Confirm the toner refill

- 9 Press the key for 'Toner refill' to select 'Confirm refill'.
- 10 Press the key for 'Close'.

Add the staples

Introduction

Task for operators, key operators

The finisher module has 2 on-line staplers and 1 off-line stapler. Each stapler can staple a maximum of 80 sheets or a paper stack of up to 8.25 mm. The number of 80 sheets was defined for Océ Red Label paper of 80 g/m² (20 lb bond).

When a stapler run out of staples, the 'System monitor' on the operator panel shows the  icon. The operator panel also indicates which stapler is empty, for example 'Stapler 1 is almost empty'.

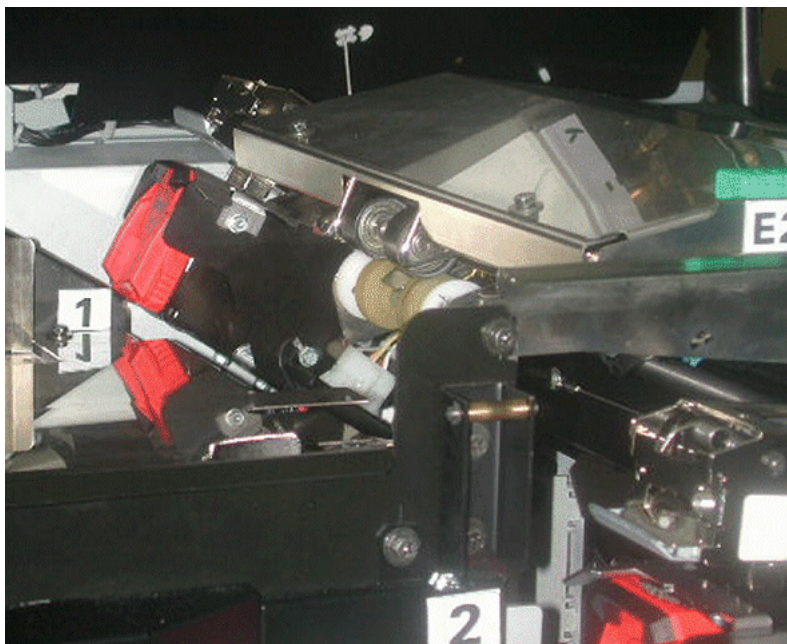
If the stapler runs empty when you start a job or during a job, a warning message appears. When a job stops because of a lack of staples, you can do the following.

- Refill the staplers.
- Cancel the job.
- Continue the job without staples.

The system automatically detects the refill of the staplers. The warning message disappears.

Note: *Only use staples of type S3.*

Illustration



[60] Location of the on-line staplers

How to access the staplers 1 and 2

- 1 Open the front door of the finisher.
- 2 Open the top cover of the finisher.
- 3 Check that the staplers are aligned correctly.
Note: *The staplers must be extended to the maximum position. If the staplers are not in the correct position, you cannot access stapler 1.*
- 4 Close the top cover of the finisher if the staplers are not in the correct position.
- 5 Pull stapler 2 toward you until the stapler cannot go any further.
- 6 Open the top cover of the finisher again.

Note: *You can access stapler 1 when the stapler cartridge is tilted upward.*

Attention: *When you open the front door and the top cover of the finisher, check that the jaws of the staplers are open. If the jaws are not **completely** open, you must close the top cover and the front door of the finisher. Wait 15 seconds. The Océ VarioPrint 2090 opens the jaws of the staplers. Now you can remove the stapler cartridge.*

Attention: Do not remove the stapler cartridge if the jaws are (partly) closed. If you did remove the stapler cartridge when the jaws were open, save the stapler cartridge. The service technician repairs the stapler cartridge at the next service visit.

Illustration



[61] Location of the off-line stapler

How to access stapler 3 (off-line stapler)

- 1 Open the front door of the finisher.
 - 2 The stapler cartridge is located in the left lower-hand corner of the finisher.
- Note:** The correct position of the off-line stapler cartridge is upside down.

How to add the staples

- 1 Push against the upper part of the stapler cartridge.
- 2 In the same movement, lift the lower part of the stapler cartridge and pull the stapler cartridge toward you.
- 3 Remove the stapler cartridge from the stapler.
- 4 Remove the loose staples if necessary.
Note: *Make sure that no staples fall into the finisher.*
- 5 Take a new cartridge, type S3.
- 6 Remove the packing material.
- 7 Slide the stapler cartridge into the stapler.
Note: *Remember that the correct position of the cartridge of stapler 3 (the off-line stapler) is upside down.*
- 8 Press until the stapler cartridge clicks into place.
Note: *If the new stapler cartridge does not fit, put back the old stapler cartridge and call service.*
- 9 Close the top cover of the finisher.
- 10 Close the front door of the finisher.

Chapter 10

Error handling



Handle contradictions

Introduction

Task for operators, key operators

Three types of contradictions can occur on the Océ VarioPrint 2090 .

■ **Specification contradictions**

Specification contradictions refer to combinations of settings that are not possible combinations.

For example, you cannot make a 2-sided scan from the glass plate. Change the original setting from 2-sided to 1-sided.

■ **Start contradictions**

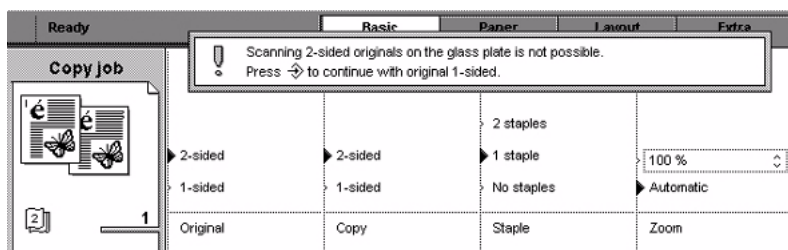
Start contradictions refer to errors that occur when the required resources for a job are not available. Start contradictions only appear after you press the Start key .

For example, a job needs staples, but the staplers are empty. An alarm bell is displayed. This alarm bell indicates that a certain supply is not available, for example staples or toner.

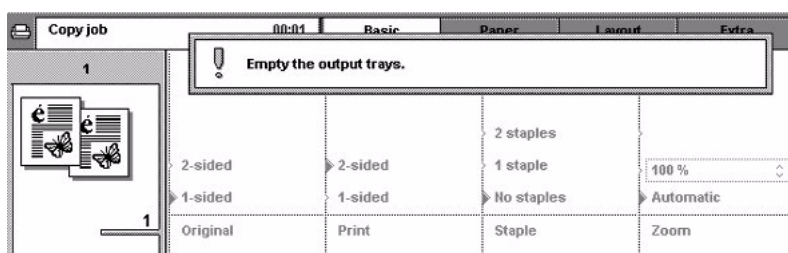
■ **Run-time contradictions**

Run-time contradictions occur when the system has not enough supplies, for example paper, while the system prints a job. The active or current job stops. The operator panel displays a message.

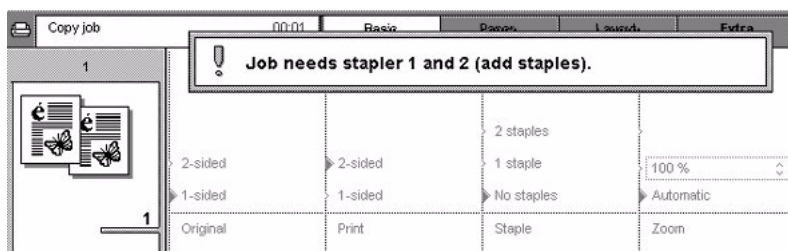
Illustration



[62] Example of a specification contradiction



[63] Example of a start contradiction



[64] Example of a run-time contradiction

How to correct a specification contradiction

Step	Action	Remarks
1	Press the Start key  or the Set-build key  .	The system checks the settings that you selected. If the settings do not match, the system can not print your job. A pop-up message appears.
2	Change the settings according to the specifications of the Océ VarioPrint 2090 .	For example, change the 'Print' settings from 2-sided to 1-sided, to make a copy from the glass plate. You can also press the Start key  two times. This action corrects the not correct setting.
3	Press the Start key  or the Set-build key  .	If the job has the correct settings, the job is processed. If you do not correct the settings, the system corrects the specification contradiction.

[42] Correct a specification contradiction

How to correct a start contradiction

- 1 Read the error message on the screen.
- 2 Add the needed resources. The job starts if there are no more contradictions.

How to correct a run-time contradiction

- 1 Add the required supplies.
- 2 The job starts if there are no more contradictions.

Handle errors

Introduction

Task for operators, key operators

If an error occurs, the Océ VarioPrint 2090 stops.

There are three types of errors that can occur on the Océ VarioPrint 2090 .

- **ORE** (operator recoverable error)
You must correct the error, for example a paper jam, before the scanning process or the printing process can continue. After you correct the error, the Océ VarioPrint 2090 checks that all activities to correct the error are done. If there are no more activities, the system continues with the active job. If you must do an additional activity, the system remains in the stand-by mode.
- **MRE** (machine recoverable error)
The operator panel displays a message that an MRE has occurred. After this message the system goes to sleep mode. You only need to turn on the system again. Follow the instructions on the screen.
- **PE** (permanent error)
If the system has a permanent error, the Océ VarioPrint 2090 stops. An error screen indicates that service is required. Only an Océ service technician can correct the error and remove the message.

Note: *The scan process and the print process are separate processes. If one of the processes has an ORE, the other process continues.*

The error screen

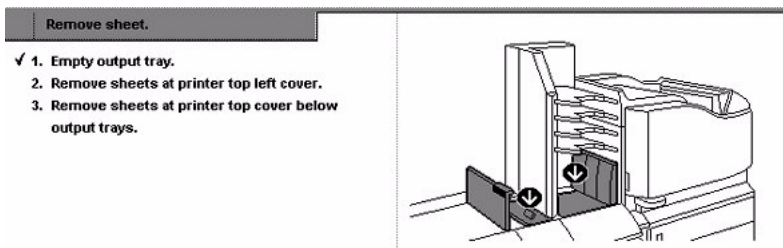
Screen messages or error screens A message shows you which areas you must inspect to find the error. A picture shows you how to correct the error. After you correct the error, the error screen disappears and the Océ VarioPrint 2090 starts to process.

The error screen of an ORE is divided into two sections, a left-hand pane and a right-hand pane.

The right-hand pane shows the part of the Océ VarioPrint 2090 where the error occurred. The screen gives you instructions for the area that you must inspect. If necessary, open doors or covers to access these areas.

The left-hand pane shows all the actions to take. The Océ VarioPrint 2090 traces your actions and marks the steps on the screen. After you have checked all the indicated areas and after you have corrected the problems, the error screen disappears.

Illustration



[65] The error screen

How to handle errors

- 1 Read the message on the operator panel.

Wait for more instructions.

The Océ VarioPrint 2090 stops the feeding of sheets from the input tray of the automatic document feeder when a scan error occurs.

If possible, the sheets in the paper path are flushed. Error sheets go to the upper output tray.

- 2 Follow the instructions on the operator panel.

Note: *Follow the steps in the order that is displayed on the screen. The system keeps track of the actions and recovers from this error.*

About the paper jams

Introduction

Information for operators, key operators

The media and originals normally move through the Océ VarioPrint 2090 without any problems. A sheet that gets stuck can cause a paper jam. If there is a paper jam, the operator panel displays an error message. The operator panel gives you an instruction to clear the error. The graphics on the screen indicate which part of the Océ VarioPrint 2090 has a paper jam.

The operator panel guides you through a sequence of steps to correct the problem. If paper jams occur in more than one location, the operator panel continues to give the instructions until all the paper jams are corrected. When the error is cleared, follow the instructions on the display. The job continues. All the prints and copies are moved correctly into the output trays or print tray.

If the print is still not correct, check the following.

- The originals must be aligned to the right in the automatic document feeder
- The original guides must not be too tight or loose
- The originals must not be too heavy, too curled or too damaged. If necessary, make the originals flat or make new originals on the glass plate.
- The originals must not be stapled. If necessary, remove any staples. Separate the originals after you remove the staples.

The cause of the problem can be also in the paper compartment. Check the following

- The paper is curled. Reload the paper upside down.
- The paper does not leave the paper tray because the guides are set too tight. Loosen the guides.
- The paper does not leave the paper tray, because a sheet is folded or damaged. Remove this sheet.

The green labels on several of the handles, covers and other parts of the Océ VarioPrint 2090 indicate the parts described in the instructions on the operator panel. Lift, press or open these parts to remove the paper jam.

For example the operator panel instructs you to open cover C1. A picture on the screen shows the exact location of cover C1 behind the open right-hand door. If you then open the door, you find a cover with a green label 'C1' at the indicated position.

Follow the instructions on the operator panel in the correct order.

Note: *If the key operator locked the paper trays, you can not clear the paper jams in these sections. Call the key operator to unlock the paper trays.*

Possible locations of the paper jams

Paper jams can occur in various stages of the print process.

Location	Description
Automatic document feeder	Open the top cover of the automatic document feeder to correct the paper jam. Note: <i>Also check the glass plate for originals.</i>
Paper trays	Open the paper trays if the LED blinks rapidly. Check for paper jams.
Paper input module	■ Open the front doors of the Océ VarioPrint 2090 . ■ Check the 4 paper path covers marked with the labels C1-C4. Note: <i>You can only open cover C2 when C1 is closed.</i>
Paper path	Open the front doors of the Océ VarioPrint 2090 to access the areas marked with the labels A1 and B1-B3. Note: <i>A small lamp illuminates when the paper path cover A1 opens.</i>
Finisher	There are 3 global areas in the finisher that you must check for paper jams. ■ Open the top covers that are left of the copy receiving unit and below the output trays of the finisher. ■ Open the front door of the finisher to access the covers marked with the labels D1-D2. Also check the internal error tray. ■ Open the front door and the top cover to access the paper path covers marked with the labels E1-E3. Note: <i>Remove any paper from the upper output tray when you open the top cover of the finisher.</i>
Upper output tray	Check the upper output tray for paper jams.

[43] Possible locations of paper jams

About the staple jams

Introduction

Information for operators, key operators

All the staplers can staple sets of 80 sheets of paper and sets of a maximum of 8.25 mm. The number of 80 sheets was defined with Océ Red Label paper of 80 g/m² (20 lb bond). When a staple error occurs, the operator panel shows a message. Follow the instructions on the screen to correct the problem.

General information

When a stapler error occurs, replace the stapler cartridge (see ‘*Add the staples*’ on page 156).

Remove any loose staples. Make sure that no staples fall into the Océ VarioPrint 2090 . Keep the stapler cartridge which caused the problems. Give the stapler cartridge to the Océ service technician.

Note: *After you correct the problem, the situation can occur that the stapler does not staple the next two or three sets.*

Appendix A

Overview and tables



Product specifications

Introduction

This table describes the main specifications of the Océ VarioPrint 2090 .

Part	Specification
Process	Paper Logic, for reliable productivity through constant feed of materials from the paper trays Image Logic, for high copy quality Bin Logic, for intelligent use of flexible output trays
Print speed	85 A4 pages a minute (1-sided and 2-sided)
Scan speed	56 A4 pages a minute
Resolution	Scan: 600 x 400 dpi Print: 600 x 600 dpi
Warm-up time	< 12 minutes
Zoom	Min: 25% Max: 400%
Auto-detectable sizes in the paper trays	■ A4 LEF ■ A4 SEF ■ A3 SEF ■ Letter 8.5 x 11 LEF ■ Letter 8.5 x 11 SEF ■ Legal 8.5 x 14 SEF ■ Ledger 11 x 17 SEF
Network connection	Switchable 10/100 Mbit/s Ethernet TCP/IP interface
Platforms	Platforms that support lpr/lpd over an Ethernet TCP/IPconnection, for example ■ Windows® 2000/NT®/ME/XP ■ Unix® ■ OS/2® ■ OpenVMS® ■ Mac®
Toner	F11

Originals that can be used

Introduction

The table below describes the main requirements for the originals that are suitable for the Océ VarioPrint 2090 .

Originals that can be used

Originals		Specifications
Original sizes	Glass plate	Max. 297 x 432 mm
	Automatic document feeder	Min. 140 x 203 mm Max. 297 x 432 mm
Original weight	Glass plate	Max. 10 kg
	Automatic document feeder	75 sheets of 80 g/m ² (20 lb bond)
Original type	Glass plate	Any type of original
	Automatic document feeder	Not damaged, 1-sided and 2-sided originals with a light curl

Note: *Do not put transparent originals into the automatic document feeder.*

Materials that can be used

Introduction

The Océ VarioPrint 2090 has 4 paper trays that you can refill during a print job, one tray at a time. The paper trays have auto-size detection. The paper trays open to the front side. All 4 trays can handle a variety of copy materials. The following tables describe the requirements for the paper trays and the requirements for the paper in the paper trays.

Materials that can be used

Tray	Size	Tray capacity
1	A4 A3 8.5 x 11 inches 8.5 x 14 inches 11 x 17 inches	600 sheets of 80 g/m ² (20 lb bond)
2	A4 A3 8.5 x 11 inches 8.5 x 14 inches 11 x 17 inches	600 sheets of 80 g/m ² (20 lb bond)
3	A4 A3 8.5 x 11 inches 8.5 x 14 inches 11 x 17 inches	1700 sheets of 80 g/m ² (20 lb bond)
4	A4 A3 8.5 x 11 inches 8.5 x 14 inches 11 x 17 inches	1700 sheets of 80 g/m ² (20 lb bond)

[44] Paper tray requirements

The information in the table below refers to all 4 paper trays.

Excellent	Good	Do not use
Materials: ■ Océ brand paper ■ Plain paper of comparable, excellent quality ■ Pre-printed paper ■ Thermo plotter	Materials: ■ Océ Green or Grey Label ■ Plain paper of good, but varying quality ■ Light curling paper (comparable to Océ Yellow, Blue Label) ■ Colour copy paper ■ Pre-printed paper	Materials: ■ Paper with extreme properties (e.g. heavily contaminated paper with glue, dust, talc, wax-paper, with different properties front and backside (chromolux)) ■ Machine coated paper
Weight: ■ 70 g/m² - 170 g/m²	Weight: ■ 60 g/m² - 70 g/m² ■ 170 g/m² - 200 g/m²	Weight: ■ < 60 g/m² and > 200 g/m²

[45] Requirements for the copy materials

All paper trays are best for the following media.

- Transparencies with back sheets.
- Punched paper.

Note: *Use paper of more than 170 g/m² only for covers.*

Appendix B

Miscellaneous



Reader's comment sheet

Questions

Have you found this manual to be accurate?

☐ Yes

☐ No

Were you able to operate the product, after reading this manual?

☐ Yes

☐ No

Does this manual provide sufficient background information?

☐ Yes

☐ No

Is the format of this manual convenient in size, readability and arrangement (page layout, chapter order, etc.)?

☐ Yes

☐ No

Could you find the information you were looking for?

☐ Always

☐ Most of the times

☐ Sometimes

☐ Not at all

What did you use to find the required information?

☐ Table of contents

☐ Index

Are you satisfied with this manual?

☐ Yes

☐ No

Thank you for evaluating this manual.

If you have other comments or concerns, please explain or suggest improvements overleaf or on a separate sheet.

Comments:

Date:

This reader's comment sheet is completed by:
(If you prefer to remain unknown, please do fill in your occupation)

Name:

Occupation:

Company:

Phone:

Address:

City:

Country:

Please return this sheet to:

Océ-Technologies B.V.
For the attention of ITC User Documentation.
P.O. Box 101,
5900 MA Venlo
The Netherlands

Send your comments by E-mail to: itc-userdoc@oce.nl

For the addresses of local Océ organisations see: <http://www.oce.com>

Addresses of local Océ organisations

Océ-Australia Ltd. P.O. Box 363 Ferntree Gully MDC Vic 3165 Australia http://www.oce.com.au/	Océ-Osterreich GmbH Postfach 95 1233 Vienna Austria http://www.oce.at/
Océ-Belgium N.V./S.A. J. Bordetlaan 32 1140 Brussel Belgium http://www.oce.be/	Océ-Brasil Comércio e Indústria Ltda. Av. das Nações Unidas, 11.857 Brooklin Novo São Paulo-SP 04578-000 Brasil http://www.oce-brasil.com.br/
Océ-Canada Inc. 4711 Yonge Street, Suite 1100 Toronto, Ontario M2N 6K8 Canada http://www.oce.ca/	Océ Office Equipment (Beijing) Co., Ltd. Xu Mu Cheng Chaoyang District Beijing 100028 China http://www.oce.com.cn
Océ-Czech Republic ltd. Hanusova 18 140 21 Praha 4 Czech Republic http://www.oce.cz/	Océ-Danmark a/s Vallensbækvej 45 2605 Brøndby Denmark http://www.oce.dk/
Océ Finland OY Tallberginkatu 2 A, PL 163 00180 Helsinki Finland http://www.oce.fi	Océ-France S.A. 32, Avenue du Pavé Neuf 93161 Noisy-le-grand, Cedex France http://www.oce.fr/
Océ-Deutschland GmbH Solinger Straße 5-7 45481 Mülheim/Ruhr Germany http://www.oce.de/	Océ-Hong Kong and China head office 12/F 1202 The Lee Gardens 33 Hysan Avenue Causeway Bay Hong Kong http://www.oce.com.hk/

Océ-Hungaria Kft. 1241 Budapest Pf.: 237 Hungary http://www.oce.hu/	Océ-Ireland Ltd. 3006 Lake Drive Citywest Business Campus Saggart Co. Dublin Ireland
Océ-Italia S.p.A. Strada Padana Superiore 2/B 20063 Cernusco sul Naviglio (MI) Italia http://www.oce.it/	Océ Japan Corporation 3-25-1, Nishi Shinbashi Minato-Ku Tokyo 105-0003 Japan http://www.ocejapan.co.jp/
Océ-Belgium S.A. Rue Astrid 2/A 1143 Luxembourg-Belair http://www.oce.lu/indexfr.htm	Océ Malaysia Sdn. Bhd. #3.01, Level 3, Wisma Academy Lot 4A, Jalan 19/1 46300 Petalig Jaya Selangor Darul Ehsan Malaysia www.ocemal.com.my
Océ-Mexico Ave. Prol. Paseo de la Reforma No. 61-6A2 Col. Paseo de las Lomas Delegación Álvaro Obregón México, D.F., 01330 México www.oceusa.com	Océ-Norge A.S. Postboks 4434 Nydalen Gjerdrums vei 8 0403 Oslo Norway http://www.oce.no
Océ-Poland Ltd. Ul. Lopuszaska 53 02-232 Warszawa Poland http://www.oce.com.pl	Océ-Lima Mayer, S.A. Av. José Gomes Ferreira, 11 Piso 2 - Miraflores 1497-139 Algés Portugal
Océ Singapore Pte Ltd. 190 MacPherson Road #03-00 Wisma Gulab Singapore 348548	Océ Printing Systems (PTY) Ltd. P.O.Box 629 Rivonia 2128 South Africa

Océ España SA Business Park Mas Blau Osona, 2 08820 El Prat de Llobregat Barcelona Spain http://www.oce.es	Océ-Svenska AB P.O. Box 754 S-191 27 Sollentuna Sweden http://www.oce.se
Océ-Schweiz AG Sägereistrasse 10 CH8152 Glattbrugg Schweiz http://www.oce.ch	Océ (Thailand) Ltd. B.B. Building 16/Floor 54 Asoke Road Sukhumvit 21 Bangkok 10110 Thailand
Océ-Nederland B.V. P.O.Box 800 5201 AV 's-Hertogenbosch The Netherlands http://www.ocenl.nl/	Océ (UK) Limited Océ House Chatham Way Brentwood, Essex CM14 4DZ United Kingdom http://www.oce.co.uk
Océ-USA Inc. 5450 North Cumberland Avenue Chicago, IL 60656 USA www.oceusa.com	

Note: The web site <http://www.oce.com> gives the current addresses of the local Océ organisations and distributors.

Note: The addresses of local Océ organisations for information about the Wide Format Printing Systems and the Production Printing Systems can be different from the addresses above. Refer to the web site <http://www.oce.com> for the addresses you need.

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