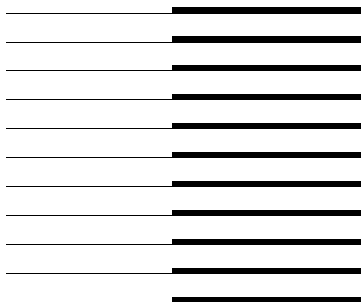




# Océ Tune2Print®

User manual





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# Notes for the reader

## Introduction

This manual helps you to use the Océ Tune2Print®. The manual contains a description of the Océ Tune2Print® and guidelines to use and operate the Océ Tune2Print®. There are also tips to increase your knowledge of the Océ Tune2Print® 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 Tune2Print® or a tip.
- A part marked with **Attention** contains information to prevent damage to items, for example the Océ Tune2Print®, an original or a file.
- A part marked with **Caution** contains information to prevent personal injury. **Caution** is found only in manuals that describe physical products.



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# Contents

Notes for the reader 4

---

## Chapter 1

### Introduction

About Océ Tune2Print® 8

Install Océ Tune2Print® 11

---

## Chapter 2

### Use Tune2Print

The user interface 16

The hot-folder structure 21

Enhance a PDF file 23

---

## Appendix A

### Miscellaneous 25

Reader's comment sheet 26

Addresses of local Océ organisations 28



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# Chapter 1

## Introduction



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# About Océ Tune2Print®

## Introduction

### **Smart software to upgrade PDF images**

Océ Tune2Print® is specially designed as an optional module for the Océ CPS700/800/900 colour production systems.

Océ Tune2Print® optimises your PDF images. Just click and drag the PDF files into a folder on your desktop for automatic processing.

The application

- analyses the PDF file,
- detects and extracts bitmap images,
- checks the quality level,
- and upgrades the image quality when needed.

## Higher image quality

To achieve a higher quality Océ Tune2Print® can upgrade images in your PDF documents on aspects as resolution, sharpness, contrast, noise reduction and colour cast removal.

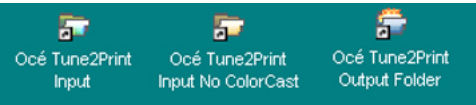
Good images won't degrade, bad images will be improved.

The color cast removal operation is (or is not) applied depending on the hot folder in which you drop your PDF document.



Hot folder based processing

Océ Tune2Print® picks up PDF documents you drop into one of its two input hot folders.



[1] The hot folder desktop icons

The images in PDF documents you drop in its input hot folder 'Océ Tune2Print® Input' will get enhanced on all aspects, including color cast removal. The enhanced document is stored in its output folder, name 'xxxx\_enhanced.pdf'.

The images in PDF documents you drop in its input hot folder 'Océ Tune2Print® Input No ColorCast' will get enhanced on all aspects, excluding color cast removal. The enhanced document is stored in its output folder, name "xxxx\_enhanced\_ncc.pdf".

After processing the original document is stored in its Archive folder. You can use your preferred previewing tool to compare both original and enhanced version of the pdf.

Minimum system requirements

| Minimum system requirements for Océ Tune2Print® |                                                                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware                                        | Pentium 4 PC<br>20 Gb Harddisk (minimum)<br>256 Mb RAM* (minimum internal memory)<br>* Additional memory will result in a better performance. |
| Compatible operating systems                    | ■ Microsoft Windows 2000 Professional/service pack 4<br>■ Microsoft Windows XP                                                                |
| Network requirements                            | Ethernet                                                                                                                                      |

[1] System requirements

## **License modes**

Océ Tune2Print® requires that a valid license is installed.

If the program is unlicensed (no license, invalid license file, or time limited license expired) Océ Tune2Print® will report that a license is required. (visible in the about tab that becomes active automatically). No functionality is available.

## **License identification**

The about tab of Océ Tune2Print® shows license information, such as:

- Owner information as entered during installation (user, company)
- MAC address to which Océ Tune2Print® is bound.
- License number, if licensed.
- Text clarifying the license type and days until expiration (if applicable).

All licenses are hardware bound, i.e. related to the Ethernet MAC-address of the specific PC on which Océ Tune2Print® is installed.

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# Install Océ Tune2Print®

## Introduction

To receive the software, just download the software from the Océ site ([www.oce.com](http://www.oce.com)). After you have downloaded and installed the program please contact the Océ representative to obtain a license for using Océ Tune2Print®. The representative will guide you through the process to receive the license file.

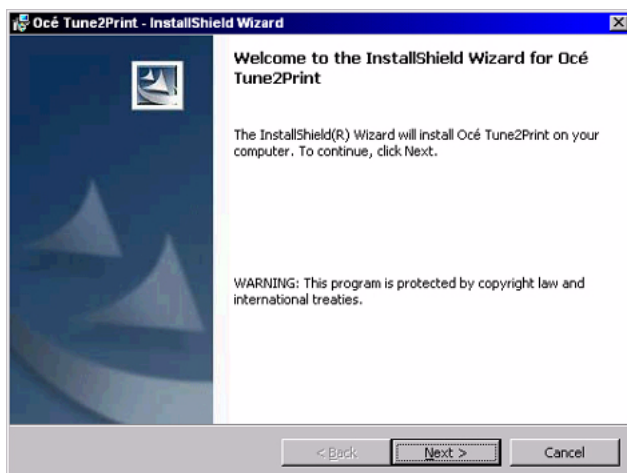
The Océ Tune2Print® software uses InstallShield® installer.

**Attention:** *You can only install Océ Tune2Print® once on your PC. If you want to reinstall the software on an other/new PC you will need a new license file.*

## How to install Océ Tune2Print®

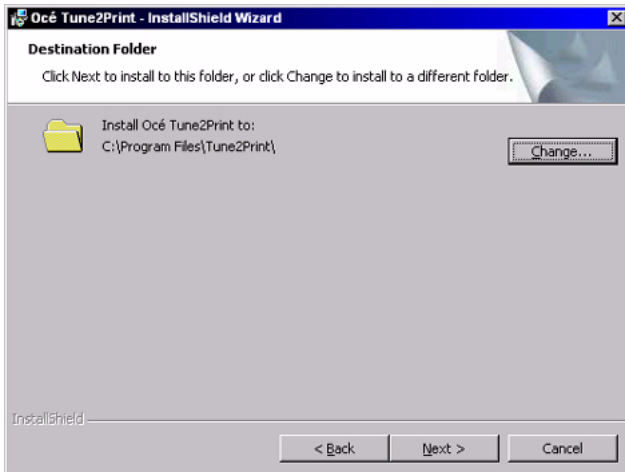
1. Navigate to the location where you stored the downloaded software.
2. Double-click the executable file named "setup.exe".

The welcome screen appears.



[2] The welcome screen

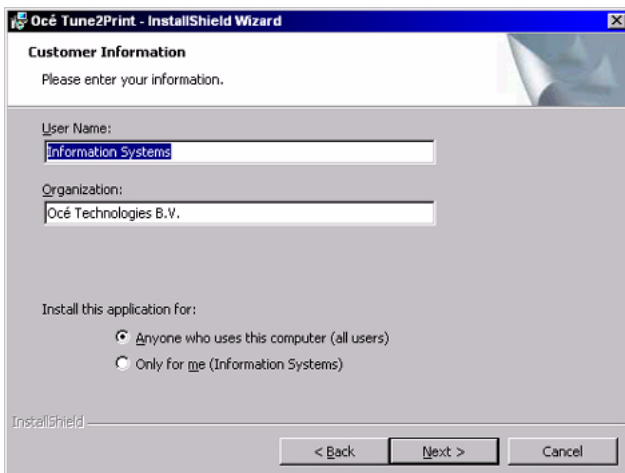
3. Click 'Next' to continue
4. Point to the required destination folder.



[3] Destination folder

**Note:** Make sure that Océ Tune2Print® is installed on a disk with enough free space to store/archive the original and enhanced PDF documents.

5. Enter the required information in the next dialogues.

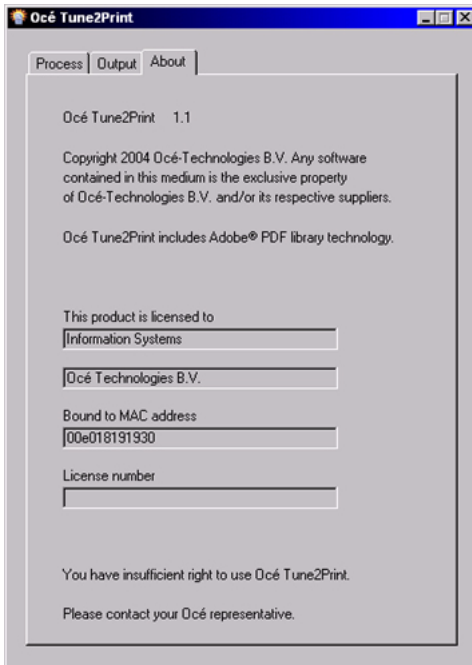


[4] The information dialogue

6. Enter the properties in the information dialogue.
7. Click 'Finish' to end the installation process.

## How to install the Océ Tune2Print® license file

1. After the installation, select the About tab.



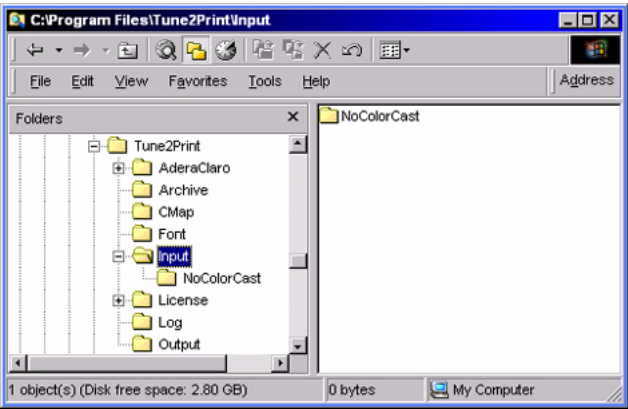
[5] Mac address

2. Send the MAC address to your Océ representative (copy/paste from the 'Bound to MAC address' box).  
You will receive the license file from your Océ representative ('license.res').
3. Install a copy of the file 'license.res' in the License subfolder of the Océ Tune2Print® installation folder.  
For a typical installation, the license file would be:  
**C:\Program Files\Tune2Print\License\license.res**

Result

The folder structure

After installation you will find the specific Océ Tune2Print® folder structure.



[6] The folder structure

| Folders               | Function                                                                                                                                                                                    |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input                 | To place your PDF files that must be enhanced, including color cast removal operation.<br>Shortcut on desktop.                                                                              |
| Input/<br>NoColorCast | To place your PDF-files that must be enhanced, excluding color cast removal operation.<br>Shortcut on desktop.                                                                              |
| Output                | Folder that Océ Tune2Print® uses to store the enhanced PDF files ('enhanced.pdf' and 'enhanced_ncc.pdf').<br>Shortcut on desktop.<br>The output folder must be cleaned manually, if needed. |
| Log                   | When Océ Tune2Print® starts, it (starts or continues) logging in a log file, yyyyymmdd.txt.<br>The log folder must be cleaned manually, if needed.                                          |
| Archive               | The original file without enhancements is stored in the archive folder.<br>The archive folder must be cleaned manually, if needed.                                                          |
| License               | Contains the license.res file.<br>Without this file Océ Tune2Print® cannot be used.                                                                                                         |

[2] Installed folders

---

# Chapter 2

## Use Tune2Print



# The user interface

## Introduction

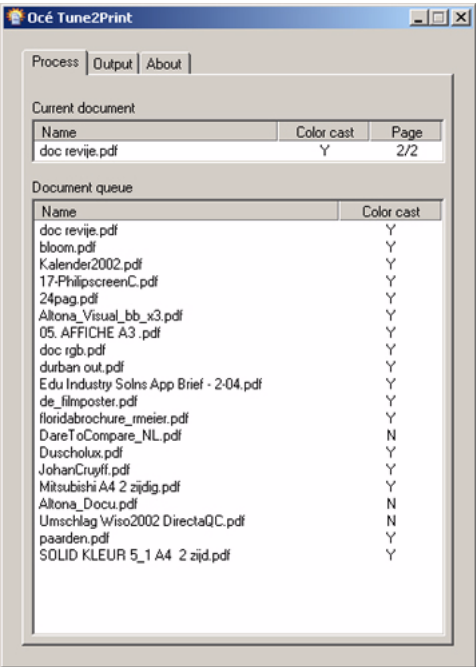
The user interface concept is based on a tab card control and has a fixed size. Three tabs are shown.

Tab sheets:

- Process
- Output
- About

The 'Process' tab is default at start-up, except in case that no license is available. If no license is available the 'About' tab is shown.

## The process tab



[7] The process tab



The 'Process' tab shows the document that is currently processed and the document queue. The currently processing document is shown at the top of the queue. If the queue is empty, both sections are empty.

### **Current document**

The 'Current document' section contains more information for the currently processing document. The section shows three columns. You can adjust the width of the columns.

- The first column shows the name of the currently processing document.
- The second shows the column labelled 'Color cast', either 'Y' (yes) or 'N' (no). see color cast.....
- The third column shows the current page and the total number of pages. For example '3/7'. This means that Océ Tune2Print® is processing page 3 of a document that contains 7 pages. If Océ Tune2Print® proceeds with the next page, this column will show '4/7'.

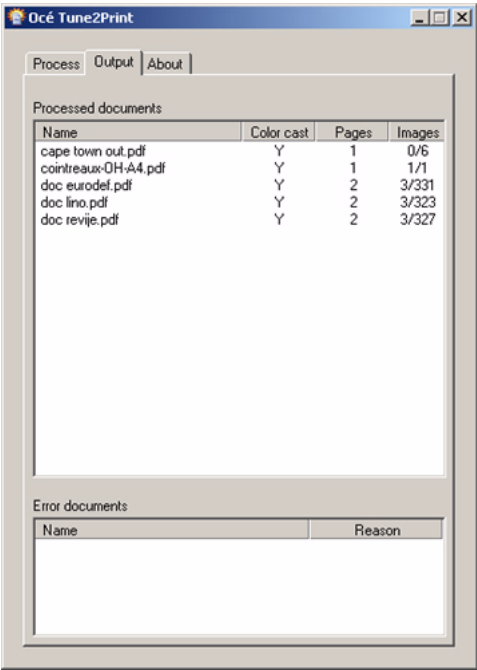
### **Document queue**

When Océ Tune2Print® starts, it will scan the input folders for PDF files to add to the Document queue, top to bottom. This initial scan is not related to the order in which documents were received.

After adding documents based on the initial scan, Océ Tune2Print® will add each document that is received in one of its input hot folders to the bottom of the document queue.

When the current document is ready, the 'Current document' section is erased. The (same) document name is removed from the queue. Then the (new) document is placed in the 'Current document' section and processing starts for this document.

The output tab



[8] The output tab

As soon as Océ Tune2Print® finishes processing a document it is removed from the 'Current document' section and 'Document queue' section as shown in the process tab (see above). From that moment on the document is shown in the 'Output tab'. The 'Output tab' shows an 'Processed documents' section and an 'Error documents' section. A processed document appears in exactly one of these sections.

**Note:** When Océ Tune2Print® starts, the 'Processed documents' and 'Error documents' lists are empty.

### Processed documents

Océ Tune2Print® shows output documents in the 'Processed documents' section. This section contains four columns.

- The first column contains the name of the document.
- The second column shows the channel to which the document was exposed.
- The third column shows the number of pages in the document.
- The fourth column shows the number of images that was enhanced and the total number of images.

For example '5/10'. This means that 5 images were enhanced and that in total 10 images are present in the document.

Output documents are added at the bottom in the 'Processed documents' section (the documents are shown in order of completion time).

### Error documents

The 'Error documents' section shows documents that could not produce an output document. This section contains 2 columns.

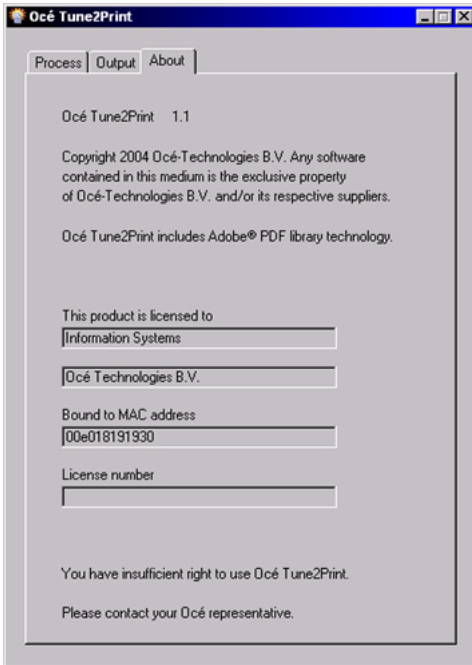
- The first column shows the document name.
- The second column shows the error explanation.

One of the following reasons can be displayed.

| Number | Explanation        |
|--------|--------------------|
| 1      | Corrupt            |
| 2      | PDF security       |
| 3      | Encrypted          |
| 4      | File name too long |

[3] Error explanations

## The about tab



[9] The about tab

The 'About' tab shows general information related to the application and license.

---

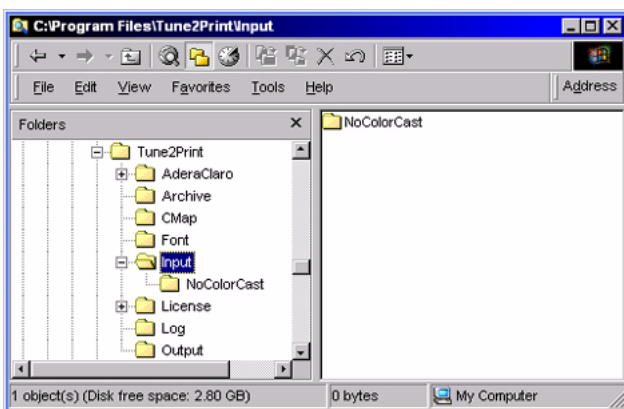
## The hot-folder structure

### Introduction

The InstallShield® installer will create a number of hot-folders on your PC.

**Hot-folder** a folder that is monitored by Océ Tune2Print® for automatic processing.

Those folders can be reached through the shortcuts generated by the installer on your Desktop.



[10] The folder structure

## The input folder

The input hot-folders of Océ Tune2Print® are easily accessible via shortcuts on the desktop.

These are called 'Océ Tune2Print® Input' and 'Océ Tune2Print® Input No ColorCast'.

When you double-click one of these shortcuts the Windows explorer application is started for the associated hot-folder on your file system.

Documents and folders can be copied into these hot-folders. Only PDF documents (i.e. file names with pdf extension) will appear in the 'Document queue' section of Océ Tune2Print® as soon as the document is arrived completely in the hot-folder.

### Color cast removal

If a document is copied into the 'Océ Tune2Print® Input' folder (or one of its sub folders), the 'Color cast' column shows 'Y'.

If a document is copied in the 'Océ Tune2Print® Input No ColorCast' folder (or one of its sub folders), the 'Color cast' column shows 'N'.

### Windows Explorer

The explorer application can be used as normal. When you delete a document in the hot folder, this will effect the 'Document queue' section (the row for that document is deleted). New documents are shown on top of the 'Document queue' section (first in first out). The current document, top-of-queue, cannot be deleted.

**Note:** *In general the queue order in Océ Tune2Print® is not kept when the application is closed and started again.*

## The output folder

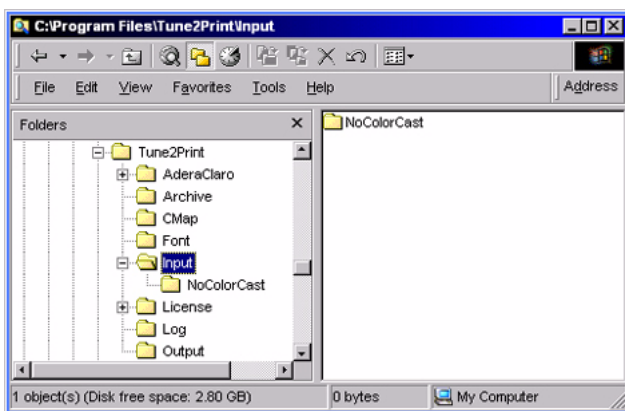
The 'Processed documents' section only shows the documents that were successfully processed during the current session of Océ Tune2Print®. The documents can be accessed via the output folder (accessible via for example the 'Océ Tune2Print® Output' icon on the desktop). After starting-up Océ Tune2Print® the 'Processed documents' section is empty.

When you delete or rename documents in the output folder, using for example Windows explorer, this does not affect the 'Processed documents' section in Océ Tune2Print®.

---

## Enhance a PDF file

### Illustration



[11] The input hot-folders

### How to enhance a PDF file

1. Select a PDF file.
2. Drag-and-drop this file to the required input hot-folder:
  - Océ Tune2Print® Input
  - Océ Tune2Print® Input No ColorCast
3. Watch the progress in the Océ Tune2Print® 'Process' tab.
4. Check the results in the Océ Tune2Print® 'Output' tab.





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# Appendix A

## Miscellaneous



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## 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](mailto:itc-userdoc@oce.nl)

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

---

## Addresses of local Océ organisations

|                                                                                                                                                         |                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Océ-Australia Ltd.<br>P.O. Box 363<br>Ferntree Gully MDC<br>Vic 3165<br><b>Australia</b><br><a href="http://www.oce.com.au/">http://www.oce.com.au/</a> | Océ-Osterreich GmbH<br>Postfach 95<br>1233 Vienna<br><b>Austria</b><br><a href="http://www.oce.at/">http://www.oce.at/</a>                                                                                      |
| Océ-Belgium N.V./S.A.<br>J. Bordetlaan 32<br>1140 Brussel<br><b>Belgium</b><br><a href="http://www.oce.be/">http://www.oce.be/</a>                      | Océ-Brasil Comércio e Indústria Ltda.<br>Av. das Nações Unidas, 11.857<br>Brooklin Novo<br>São Paulo-SP 04578-000<br><b>Brasil</b><br><a href="http://www.oce-brasil.com.br/">http://www.oce-brasil.com.br/</a> |
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| Océ-Czech Republic ltd.<br>Hanusova 18<br>140 21 Praha 4<br><b>Czech Republic</b><br><a href="http://www.oce.cz/">http://www.oce.cz/</a>                | Océ-Danmark a/s<br>Vallensbækvej 45<br>2605 Brøndby<br><b>Denmark</b><br><a href="http://www.oce.dk/">http://www.oce.dk/</a>                                                                                    |
| Océ Finland OY<br>Tallberginkatu 2 A, PL 163<br>00180 Helsinki<br><b>Finland</b><br><a href="http://www.oce.fi">http://www.oce.fi</a>                   | Océ-France S.A.<br>32, Avenue du Pavé Neuf<br>93161 Noisy-le-grand, Cedex<br><b>France</b><br><a href="http://www.oce.fr/">http://www.oce.fr/</a>                                                               |

|                                                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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| <p>Océ-Hungaria Kft.<br/>1241 Budapest<br/>Pf.: 237<br/><b>Hungary</b><br/><a href="http://www.oce.hu/">http://www.oce.hu/</a></p>                                                                                     | <p>Océ-Ireland Ltd.<br/>3006 Lake Drive<br/>Citywest Business Campus<br/>Saggart<br/>Co. Dublin<br/><b>Ireland</b></p>                                                                                                  |
| <p>Océ-Italia S.p.A.<br/>Strada Padana Superiore 2/B<br/>20063 Cernusco sul Naviglio (MI)<br/><b>Italia</b><br/><a href="http://www.oce.it/">http://www.oce.it/</a></p>                                                | <p>Océ Japan Corporation<br/>3-25-1, Nishi Shinbashi<br/>Minato-Ku<br/>Tokyo 105-0003<br/><b>Japan</b><br/><a href="http://www.ocejapan.co.jp/">http://www.ocejapan.co.jp/</a></p>                                      |
| <p>Océ-Belgium S.A.<br/>Rue Astrid 2/A<br/>1143 <b>Luxembourg</b>-Belair<br/><a href="http://www.oce.lu/indexfr.htm">http://www.oce.lu/indexfr.htm</a></p>                                                             | <p>Océ Malaysia Sdn. Bhd.<br/>#3.01, Level 3, Wisma Academy<br/>Lot 4A, Jalan 19/1<br/>46300 Petalig Jaya<br/>Selangor Darul Ehsan<br/><b>Malaysia</b><br/><a href="http://www.ocemal.com.my">www.ocemal.com.my</a></p> |
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| <p>Océ-Poland Ltd. Sp.z o.o.<br/>ul. Bitwy Warszawskiej 1920 r. nr. 7<br/>02-366 Warszawa<br/><b>Poland</b><br/><a href="http://www.oce.com.pl">http://www.oce.com.pl</a></p>                                          | <p>Océ-Lima Mayer, S.A.<br/>Av. José Gomes Ferreira, 11 Piso 2 -<br/>Miraflores<br/>1497-139 Algés<br/><b>Portugal</b></p>                                                                                              |

|                                                                                                                                                                     |                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Océ Singapore Pte Ltd.<br>190 MacPherson Road<br>#03-00 Wisma Gulab<br><b>Singapore</b> 348548                                                                      | Océ Printing Systems (PTY) Ltd.<br>P.O.Box 629<br>Rivonia 2128<br><b>South Africa</b>                                                                         |
| Océ España SA<br>Business Park Mas Blau<br>Osona, 2 08820 El Prat de<br>Llobregat<br>Barcelona<br><b>Spain</b><br><a href="http://www.oce.es">http://www.oce.es</a> | Océ-Svenska AB<br>P.O. Box 754<br>S-191 27 Sollentuna<br><b>Sweden</b><br><a href="http://www.oce.se">http://www.oce.se</a>                                   |
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**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.

---

# Index

---

## A

about tab 20

---

## C

color cast 22

---

## E

enhance a pdf file 23

---

## H

hot-folder 21

---

## I

input folder 22

install océ tune2print® 11

---

## O

output folder 22

output tab 18

error documents 18

processed documents 18

---

## P

process tab 16

current document 16

document queue 16

---

## S

system requirements 9

---

## T

tabs 16

---

## U

user interface 16