

ORIS Ink Saver

User Manual

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Hainburg, Germany

January 12, 2017



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About ORIS Ink Saver

ORIS Ink Saver reduces CMY ink usage and total ink coverage – a benefit to all larger print operations with a high volume of process ink usage. This is achieved with professional GCR and UCR transformations.

These transformations are stored in ORIS color tables (*.dat). Color tables for various printing standards and different reduction levels are available on the CGS web site <http://www.cgs-oris.com> and on your product CD. The color tables are explained below.

The color tables can be applied in any of the ORIS format conversion hotfolders (e.g. ANY-TIFFIT.HFS). Refer to page 7 for more details.

There is also a special ORIS Ink Saver Workflow consisting of two hot-folder. The first creates an ink-optimized PDF file, the second calculates the estimated ink savings. See page 4 for details on using this workflow. Applying Ink Saver color tables requires a software license (O-CT-SAV).

Available Ink Saver Color Tables

It is easy to find the appropriate ORIS Ink Saver color table, because the file names indicate what the color tables are used for. There are the following components in a file name:

- Printing standard (ISOcoated, ISOwebcoated, etc.)
- Total ink coverage (375, 360, 350, etc.)
- Degree of CMY reduction (light, medium or strong)

The starting point of black ink is always 10. This means the first black dot to be printed will appear as soon as all CMY channels have reached or exceeded 10%.

The following ORIS Ink Saver color tables are available:

ISOcoated (FOGRA27)

```
Inksaver ISOcoated 350 light (v4).dat
Inksaver ISOcoated 350 medium (v4).dat
Inksaver ISOcoated 350 strong (v4).dat
```

ISOcoated v2 (FOGRA39)

```
Inksaver ISOcoated v2 eci 300 light (v4).dat
Inksaver ISOcoated v2 eci 300 medium (v4).dat
Inksaver ISOcoated v2 eci 300 strong (v4).dat
Inksaver ISOcoated v2 eci 330 light (v4).dat
Inksaver ISOcoated v2 eci 330 medium (v4).dat
Inksaver ISOcoated v2 eci 330 strong (v4).dat
```

ISOnewspaper26v4

```
Inksaver ISOnewspaper26v4 240 light (v4).dat
Inksaver ISOnewspaper26v4 240 medium (v4).dat
Inksaver ISOnewspaper26v4 240 strong (v4).dat
```

ISOuncoatedyellowish (FOGRA30)

```
Inksaver ISOuncoatedyellowish 320 light (v4).dat
Inksaver ISOuncoatedyellowish 320 medium (v4).dat
```

Inksaver ISOuncoatedyellowish 320 strong (v4).dat

ISOwebcoated (FOGRA28)

Inksaver ISOwebcoated 300 light (v4).dat

Inksaver ISOwebcoated 300 medium (v4).dat

Inksaver ISOwebcoated 300 strong (v4).dat

PSO LWC Improved (FOGRA45)

Inksaver PSO LWC Improved eci 300 light.dat

Inksaver PSO LWC Improved eci 300 medium.dat

Inksaver PSO LWC Improved eci 300 strong.dat

PSO LWC Standard (FOGRA46)

Inksaver PSO LWC Standard eci 300 light.dat

Inksaver PSO LWC Standard eci 300 medium.dat

Inksaver PSO LWC Standard eci 300 strong.dat

PSO Uncoated ISO12647 (FOGRA47)

Inksaver PSO Uncoated ISO12647 eci 300 light.dat

Inksaver PSO Uncoated ISO12647 eci 300 medium.dat

Inksaver PSO Uncoated ISO12647 eci 300 strong.dat

PSO Coated (FOGRA51)

Inksaver PSOcoated_v3 300 low.dat

Inksaver PSOcoated_v3 300 medium.dat

Inksaver PSOcoated_v3 300 high.dat

PSO Uncoated (FOGRA52)

Inksaver PSOuncoated_v3 300 low.dat

Inksaver PSOuncoated_v3 300 medium.dat

Inksaver PSOuncoated_v3 300 high.dat

PSRgravure

Inksaver PSRgravureHWC light.dat

Inksaver PSRgravureHWC medium.dat

Inksaver PSRgravureHWC strong.dat

Inksaver PSRgravureLWC 360 light (v3).dat

Inksaver PSRgravureLWC 360 medium (v3).dat

Inksaver PSRgravureMF 375 light (v3).dat

Inksaver PSRgravureMF 375 medium (v3).dat

Inksaver PSRgravureSC 360 light (v3).dat

SC paper

Inksaver SC paper eci 270 light.dat

Inksaver SC paper eci 270 medium.dat

Inksaver SC paper eci 270 strong.dat

Using the ORIS Ink Saver Workflow

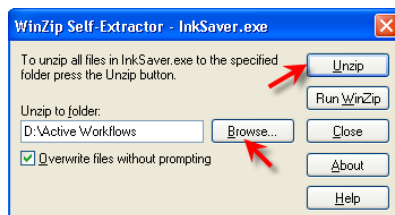
To convert your files to ink-optimized PDF documents and additionally create a report of the estimated ink savings, do the following:

Step 1: Install Workflow

1. Double-click on InkSaver.exe in the ORIS installation directory
...\\Program Files\\CGS\\ORIS Hotfolder Manager\\.

2. Specify where to save the files, then click UNZIP.

The workflow files are saved to a folder named OrisWorkInkSaver which is created inside the specified directory.

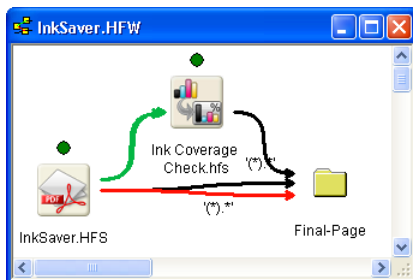


Step 2: Open Workflow

1. Double-click the file InkSaver.hfw in the OrisWorkInkSaver folder.

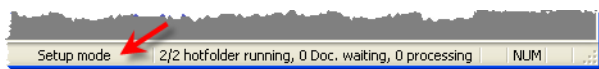
This starts the ORIS Hotfolder Manager program and opens the window of the ORIS Ink Saver Workflow.

The InkSaver.HFS icon can be used as drag-and-drop target for your input files. The Final-Page folder stores the optimized output files and the reports of the estimated ink savings.



2. Switch from *Operation mode* to *Setup mode*.

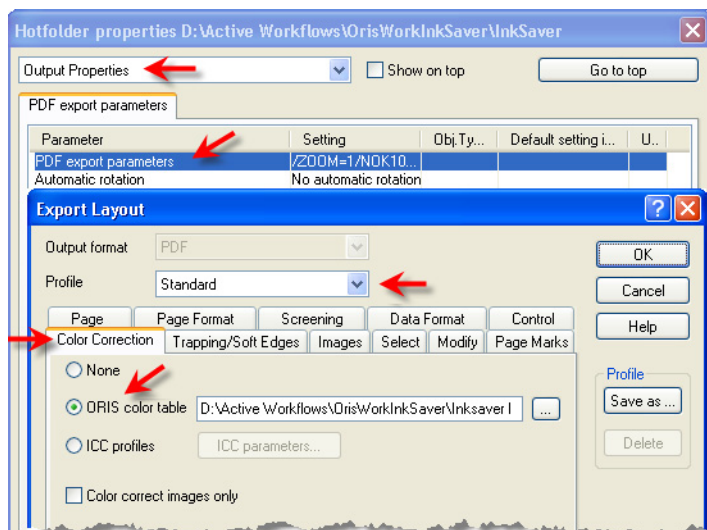
To do so, click on the status bar where the program mode is displayed and select **SETUP MODE** from the context menu.



Step 3: Select Color Table for 1. Hotfolder

Select the ORIS Ink Saver color table for the file conversion hotfolder:

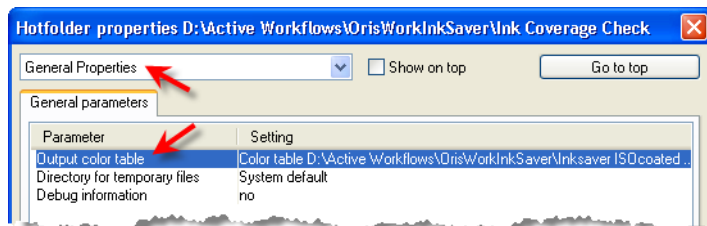
1. Right-click the `InkSaver.hfs` icon and select **CHANGE PROPERTIES** from the context menu.
2. Select **OUTPUT PROPERTIES** from the list at the top left.
3. Double-click on **PDF EXPORT PARAMETERS**. This opens the **EXPORT LAYOUT** dialog.
4. Select the **PROFILE** named **STANDARD**.
5. Click on the **COLOR CORRECTION** tab.
6. Enable the **ORIS COLOR TABLE** option.
7. Select the Ink Saver color table (`*.dat` file).
8. Make sure the **COLOR CORRECT IMAGES ONLY** option is disabled.
9. Close all dialogs using **OK** and save the hotfolder.



Step 4: Select Color Table for 2. Hotfolder

Select the same ORIS Ink Saver color table for the hotfolder that calculates the estimated ink savings:

1. Right-click the Ink Coverage Check.hfs icon and select CHANGE PROPERTIES from the context menu.
2. Select GENERAL PROPERTIES from the list at the top.
3. Click on the OUTPUT COLOR TABLE parameter.
4. Select the COLOR TABLE setting and choose the same color table (*.dat file) as before.
5. Click OK to close the dialog, then save the hotfolder.



Step 5: Process Files

Drop the files to be processed onto the InkSaver.HFS icon or add them to the ...\OrisWorkInkSaver\InkSaver\ folder.

The output will be saved to the Final-Page folder, in a subfolder with the name of the input file. There are two files in every subfolder:

- PDF file: This is the ink-optimized document.
- TXT file: This is a report of the estimated ink savings. Example:

```

Advertisement.txt - Notepad
File Edit Format View Help
ORIS Ink Saver - Ink Coverage Analysis, before and after
File examined      : 'Advertisement.pdf'
Ink saver settings used: 'D:\Active Workflows\orisworkInkSaver\Inksaver ISOcoated
v2 eci 300 medium (v3).dat'

-----
Page 'Advertisement.pdf'
      without      with      Difference      Savings
      Ink Saver   Ink Saver   absolute
Separation 'Cyan' : 28.271 %  25.680 %  -2.591 %    9.163 %
Separation 'Magenta' : 23.079 %  21.660 %  -1.419 %    6.150 %
Separation 'Yellow' : 14.478 %  12.856 %  -1.623 %   11.208 %
Separation 'key'   :  2.770 %   5.767 %   2.997 %  -108.165 %
-----
Separation (all)   : 68.599 %  65.963 %  -2.636 %    3.843 %
-----

The application of Ink Saver in this case would result in a
reduction of ink usage of 3.843 %

```


Using Hotfolders

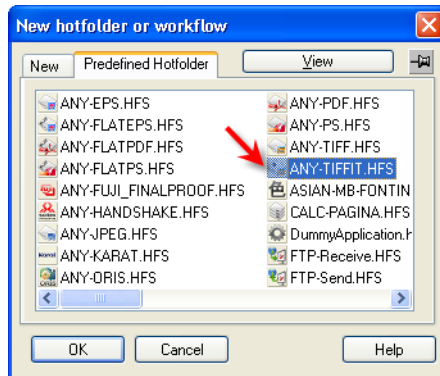
You can use any of the format conversion hotfolders to reduce CMY ink usage, e.g. the Any-TIFFIT hotfolder. Proceed as follows:

Step 1: Create Hotfolder

1. Start ORIS Hotfolder Manager.
2. Make sure the program runs in *Setup mode*.

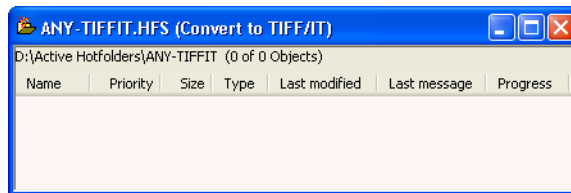


3. Click on  to open the NEW HOTFOLDER OR WORKFLOW dialog.
4. Double-click one of the ANY-....HFS entries, e.g. ANY-TIFFIT.HFS for TIFF/IT output.




5. You are requested to save the new hotfolder. Choose a directory outside the software installation path. This directory will be monitored by the hotfolder.

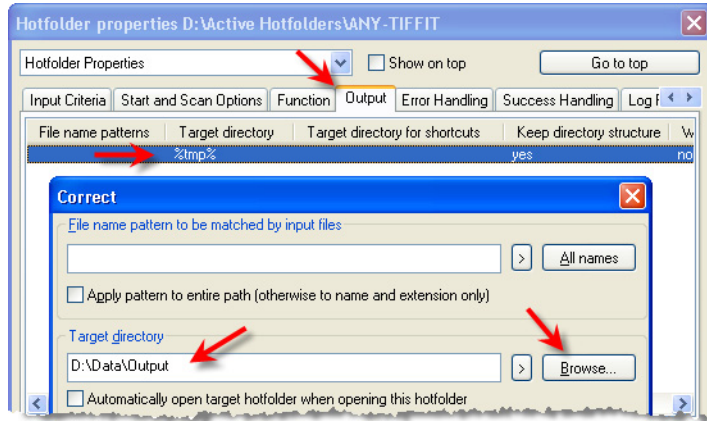
The hotfolder window appears. You can use it as a drag-and-drop target for your input files.



Step 2: Specify Output Directory

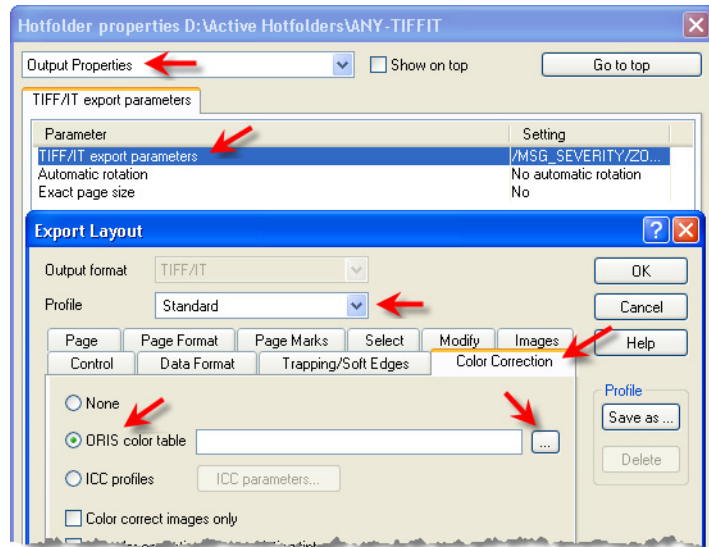
By default, output files will be saved to your computer's temporary folder. Do the following to specify a different directory:

1. Click on  to open the HOTFOLDER PROPERTIES dialog.
2. Click on the OUTPUT tab.
3. Double-click on the list entry to open the CORRECT dialog.
4. Use the TARGET DIRECTORY option to specify the output directory.
5. Close the CORRECT dialog using **OK**.



Step 3: Specify Color Table

1. Select OUTPUT PROPERTIES from the list at the top left.
2. Double-click on ...EXPORT PARAMETERS to open the EXPORT LAYOUT dialog.
3. Select the PROFILE named STANDARD.
4. Click on the COLOR CORRECTION tab.
5. Enable the ORIS COLOR TABLE option.
6. Select the color table (*.dat file).
7. Make sure the COLOR CORRECT IMAGES ONLY option is disabled.
8. Enable the NO COLOR CORRECTION ON OVERPRINTING TINTS option.
9. Make sure the KEEP K100 OF TINTS... option is disabled.
10. Close all dialogs using **OK** and save the hotfolder.



Step 4: Process Files

1. Click on ► to make the hotfolder active.
2. Drop the files onto the hotfolder window or add them to the directory monitored by the hotfolder.

The converted files will be created in the specified output folder.

