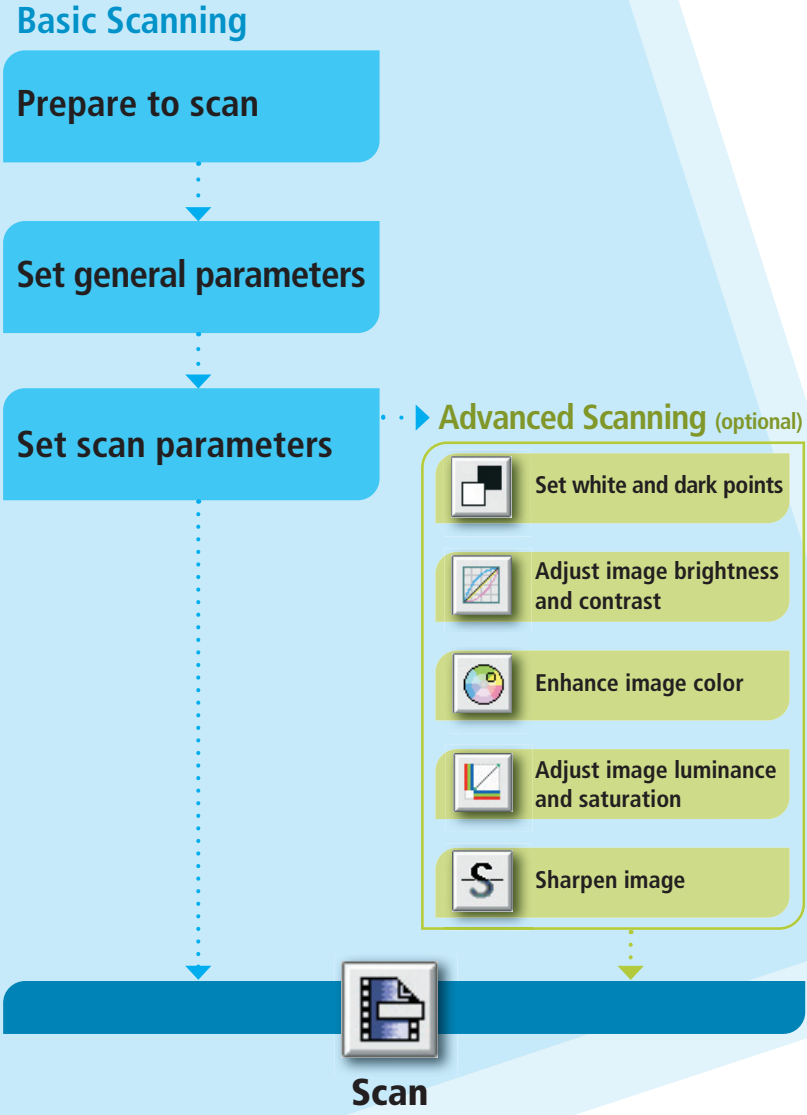
Creo Smart Scanners

Quick Reference Guide

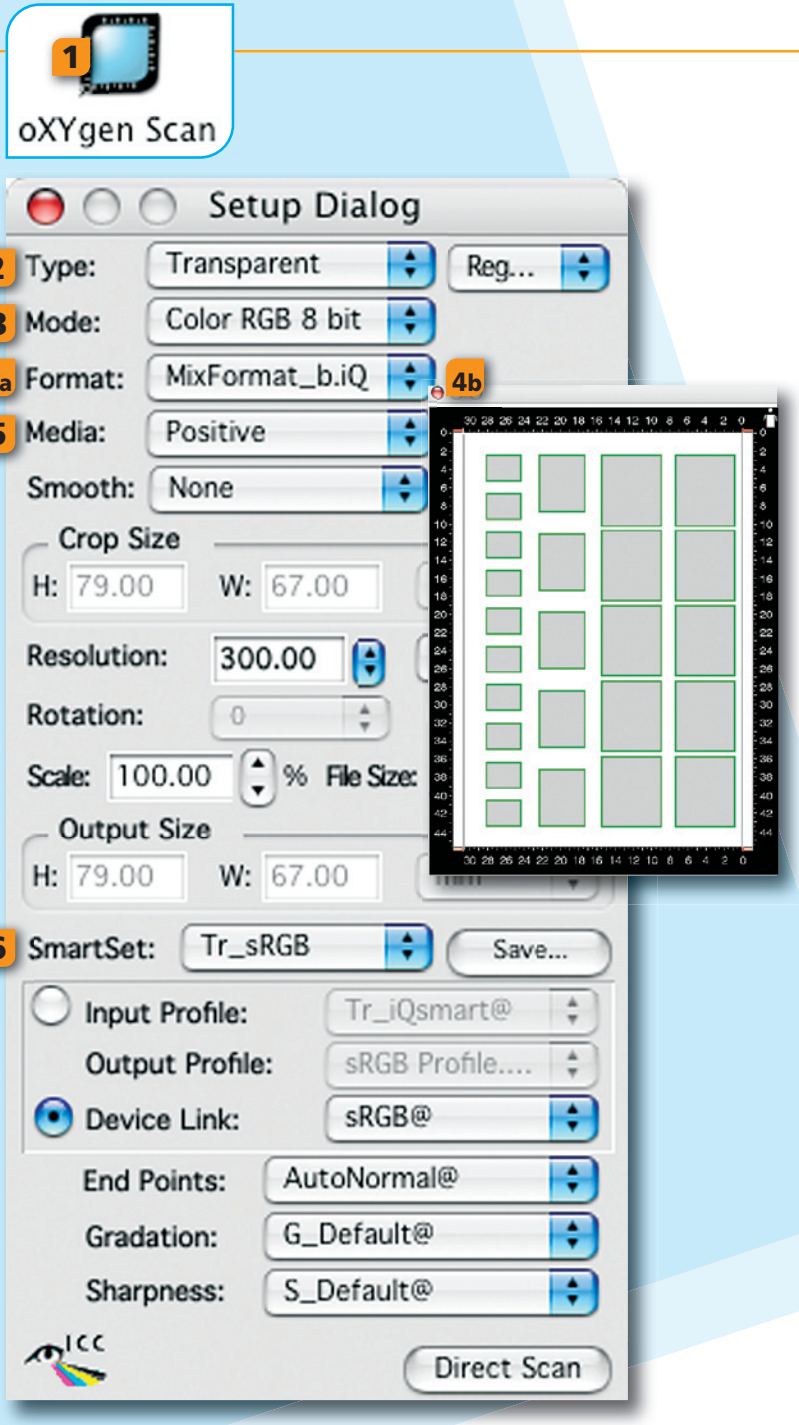
creo™

Follow these steps to produce a high-quality, high-resolution scan:



Prepare to scan

1. Install the scanner according to the installation guide.
2. Turn on the scanner, and then turn on the computer.
3. Clean the originals and clean the base glass.
4. Mount the originals, emulsion-side down, on the mask.
5. Place the mask over the registration pins.
6. Make sure the stitching area is clean and is not covered by an original.
7. Close the top cover.


1
oXYgen Scan
Setup Dialog
2 Type:
Transparent
Reg...
3 Mode:
Color RGB 8 bit
4a Format:
MixFormat_b.iQ
4b
5 Media:
Positive
Smooth:
None
Crop Size
H: 79.00
W: 67.00
Resolution:
300.00
Rotation:
0
Scale:
100.00
%
File Size:
Output Size
H: 79.00
W: 67.00
6 SmartSet:
Tr_sRGB
Save...
Input Profile:
Tr_iQsmart@
Output Profile:
sRGB Profile....
Device Link:
sRGB@
End Points:
AutoNormal@
Gradation:
G_Default@
Sharpness:
S_Default@
ICC
Direct Scan

Set general parameters

1. To start the oXYgen Scan software, double-click the **oXYgen Scan** icon.

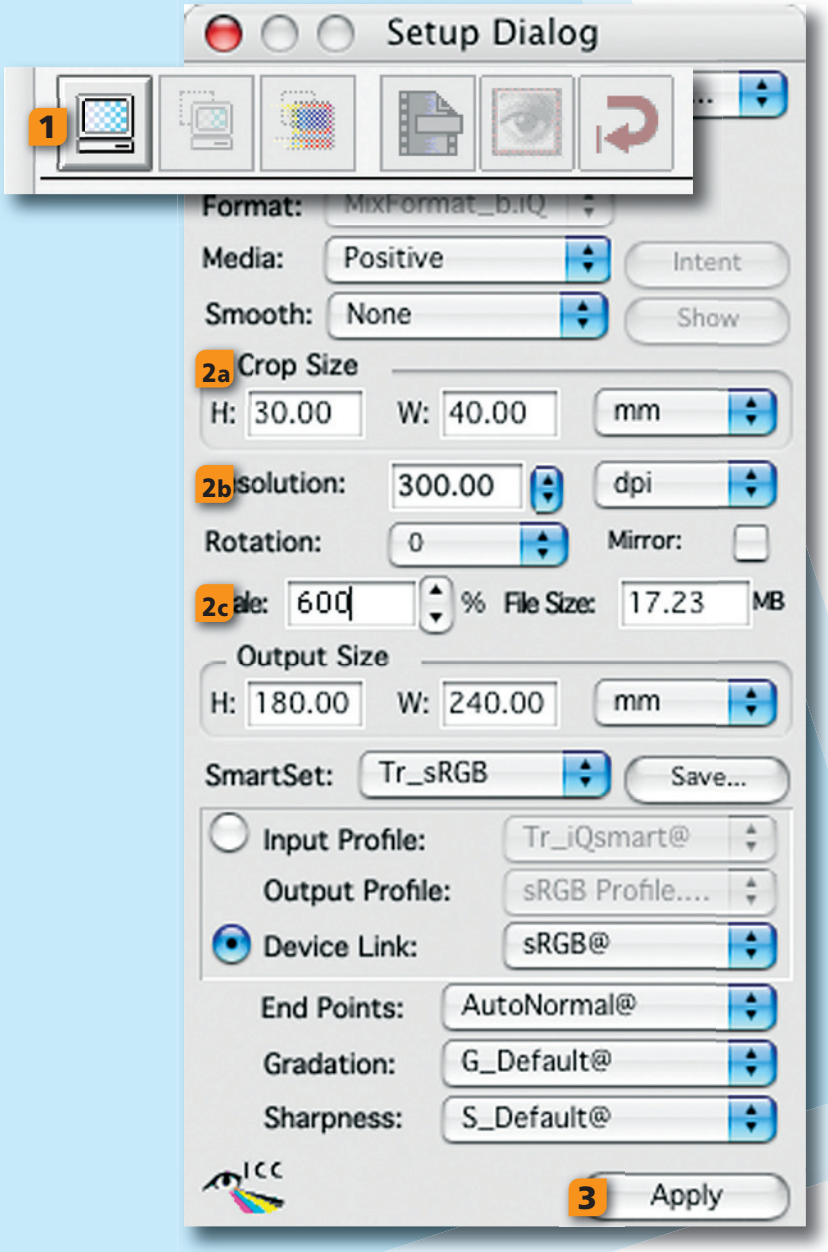
2. From the **Type** list, select **Transparent** or **Reflective** according to the type of original.

3. From the **Mode** list, select a scan mode (**Color RGB 8 bit**, **Color RGB 16 bit**, **B/W**, **Line-art**, **Color CMYK**, or **DT**).

4. From the **Format** list, select a format that matches the original or mask you are using:
   - Single original without mask:
     a. Select a format that includes the size of the original.
     b. In the Layout Display window, you can manually adjust a selected format.
   - Original(s) with mask:
     a. Select a format according to the mask you are using.
     b. In the Layout Display window, you can select the image(s) in the mask that you want to preview.

5. From the **Media** list, select **Positive** or **Negative** according to the media type of the original.

6. For automatic color settings, from the **SmartSet** list select a SmartSet table that suits the output device. The table determines the color profiles and the **End Points**, **Gradation**, and **Sharpness** tables.


Setup Dialog
1
Format:
Media:
Positive
Intent
Smooth:
None
Show
2a
Crop Size
H: 30.00
W: 40.00
mm
2b
Resolution:
300.00
dpi
Rotation:
0
Mirror:
2c
Scale:
600
%
File Size:
17.23
MB
Output Size
H: 180.00
W: 240.00
mm
SmartSet:
Tr_sRGB
Save...
Input Profile:
Tr_iQsmart@
Output Profile:
sRGB Profile....
Device Link:
sRGB@
End Points:
AutoNormal@
Gradation:
G_Default@
Sharpness:
S_Default@
ICC
3
Apply

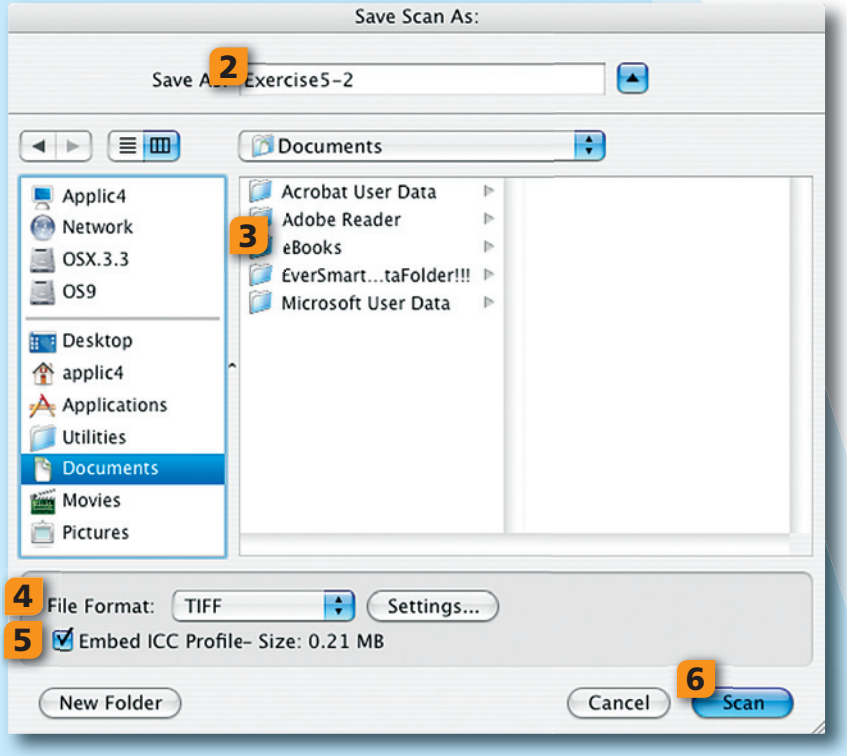
Set scan parameters

1. Click the **Preview** button to view a low-resolution scan of each selected image.

2. To adjust each image separately:
   a. Crop the image in one of the following ways:
      - In the **Crop Size** area, enter height and width values.
      - In the Image Display window, use the **Crop** tool to manually crop the image.
   b. In the **Resolution** area, select a scan resolution and resolution unit.
   c. In the **Scale** box, use one of the following methods:
      - Enter an enlargement size.
      - In the **File Size** box, enter a size.

3. Click **Apply**.


1


Save Scan As:
2
Exercise5-2
Documents
Applic4
Network
OSX.3.3
OS9
Desktop
applic4
Applications
Utilities
Documents
Movies
Pictures
Acrobat User Data
Adobe Reader
3
eBooks
EverSmart...taFolder!!!
Microsoft User Data
4
File Format:
TIFF
Settings...
5
Embed ICC Profile- Size: 0.21 MB
New Folder
Cancel
6
Scan

Scanning

1. Click the **Scan** button.
   The Save Scan As dialog box opens.

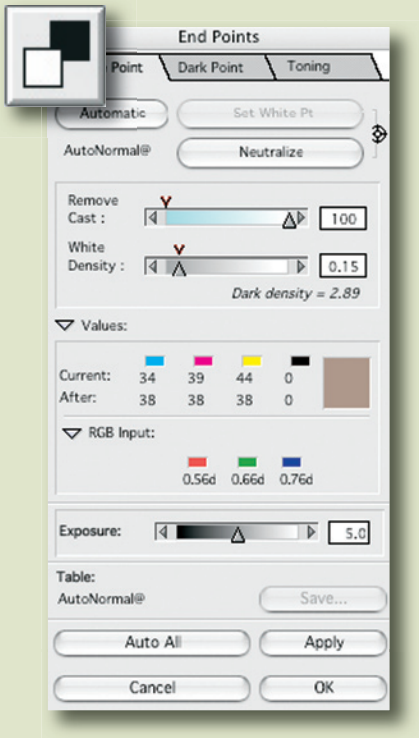
2. Enter a name for the scan file.

3. Specify a file destination.

4. From the **File Format** list, select a file format.

5. Select the **Embed ICC Profile** check box to attach the color profile of the scanner to the image.

6. To begin scanning, click **Scan**.

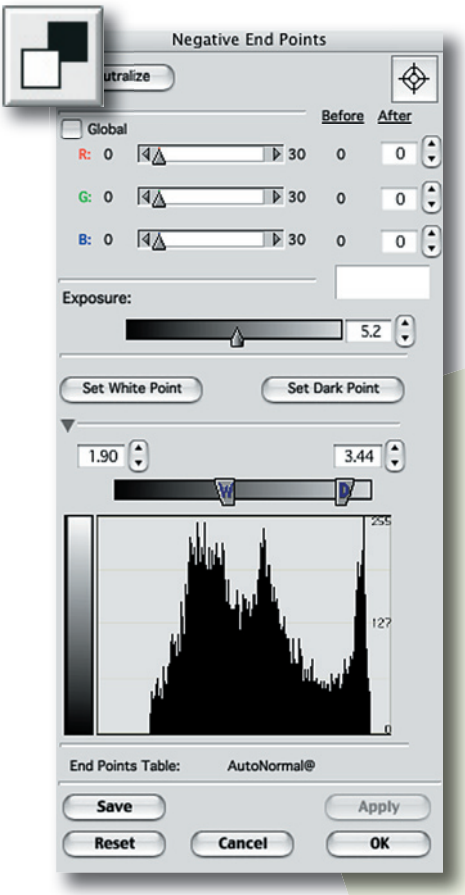


End Points

Use the End Points dialog box to produce tonal changes.

During preview, the scanner performs an image analysis of each crop, and then automatically selects its whitest and darkest points. These points are displayed in the End Points dialog box.

Before After



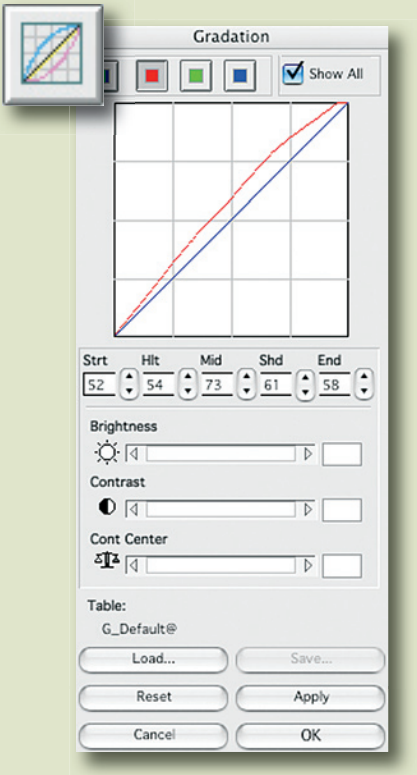
Negative End Points

A negative original requires special care because it has a built-in orange layer that produces a yellowish cast. This cast differs depending on the type of film and emulsion.

To ensure accurate cast removal, select the appropriate film type in the Setup dialog box. Then use the Negative End Points dialog box to perform final corrections.

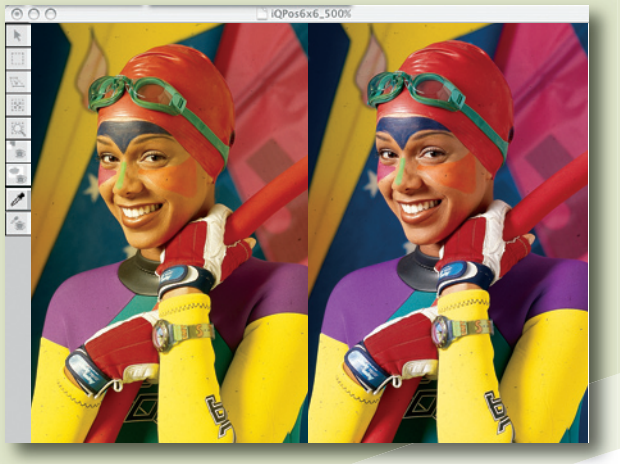
Quick Balance

The Quick Balance tool enables you to make color balance changes in a negative image. Use the numeric keypad as a controller. You can save changes in the Negative End Points dialog box.



Gradation

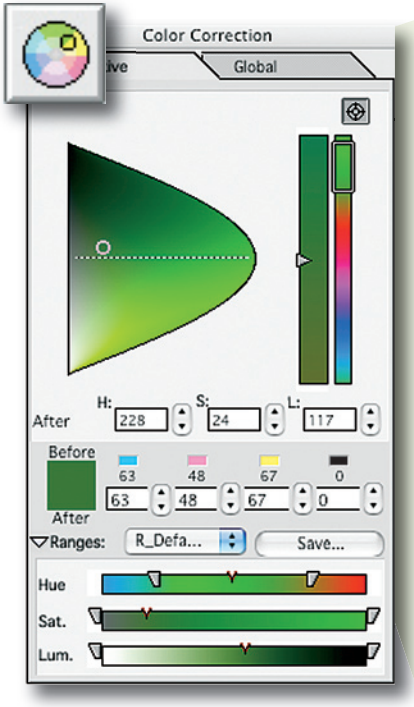
After setting the whitest and darkest points, you can use the Gradation dialog box to enhance image brightness and contrast. You can adjust each color channel separately or multiple channels simultaneously. Use curves to adjust gradation within a shadows-to-highlights range.



Before After

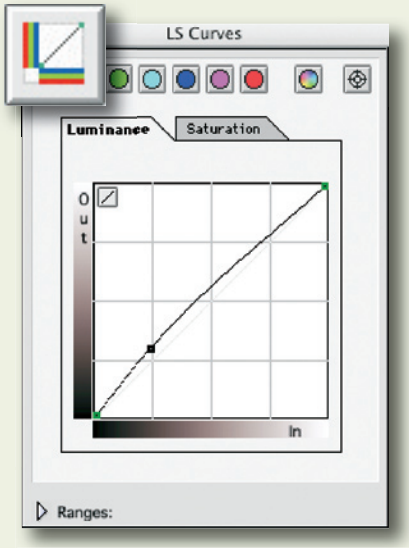
Color Correction

In the Color Correction dialog box, you can adjust specific colors in the image using HSL, CMYK, or RGB controls. You can also control the range of hues affected by color corrections.



LS Curves

In the LS Curves dialog box, you can adjust the luminance curve to make an image brighter or darker. To increase or decrease the vividness of an image, you can adjust the saturation curve.



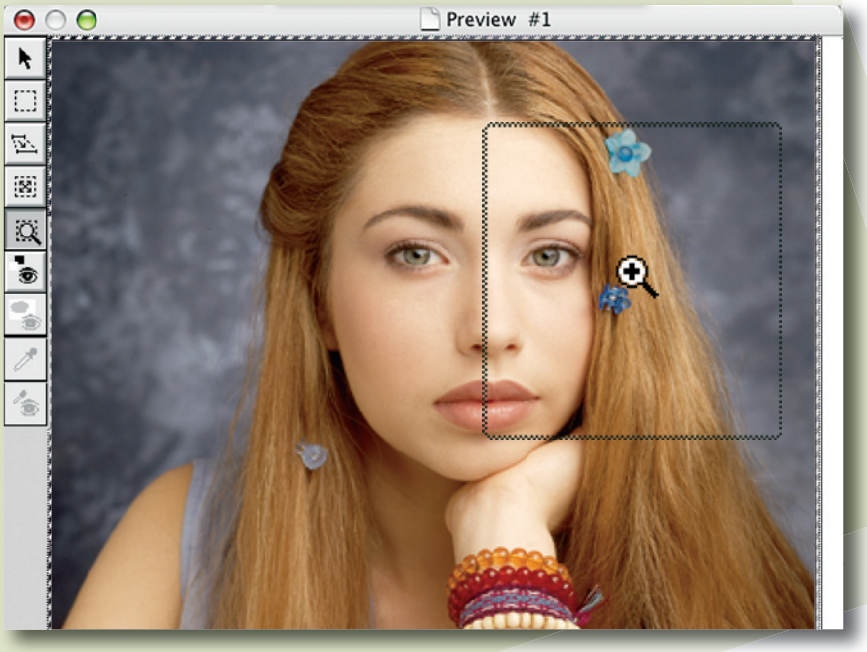
Before After

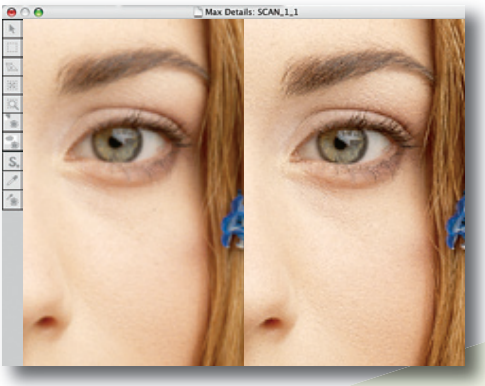
Max Detail

Use **Max Detail** to perform a scan of an enlarged area. Such an enlargement is useful for examining the results of sharpening as well as for editing the sharpness parameters at the actual scan scale.

Sharpness

In the Sharpness dialog box, you can sharpen an image to compensate for quality lost during scanning or printing. The default sharpness table produces good results in most cases. Adjusting the **Intensity** value can also provide satisfactory results. In general, it is recommended that you change the sharpness settings in the enlargement that you produce using **Max Detail**, and then keep additional changes to a minimum.

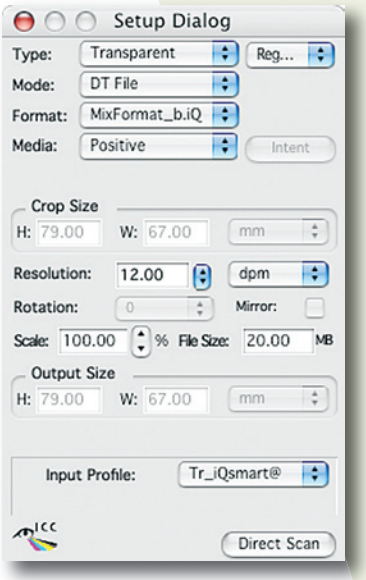




Before After

Split Screen

Use **Split Screen**, an interactive, soft-proofing tool, to compare an image before and after you make adjustments. You can use **Split Screen** horizontally or vertically, in **Preview**, **Prescan**, or **Max Detail** modes.



DT Files

A DT file is a raw-data, 16-bit file. You can open a DT file with oXYgen Scan software or with oXYgen Open software (and a dongle), and then set parameters, edit colors, and make other modifications in the same way as with an analog original.

You can also open a DT file in Adobe® Photoshop® software with the Creo DT Tone plug-in.

For more information about advanced scanning features, see the *oXYgen Scanning Application User Guide* and the *oXYgen Scan Learning Guide* CD.

www.creo.com/scanners