SilverFast®

SilverFast SE

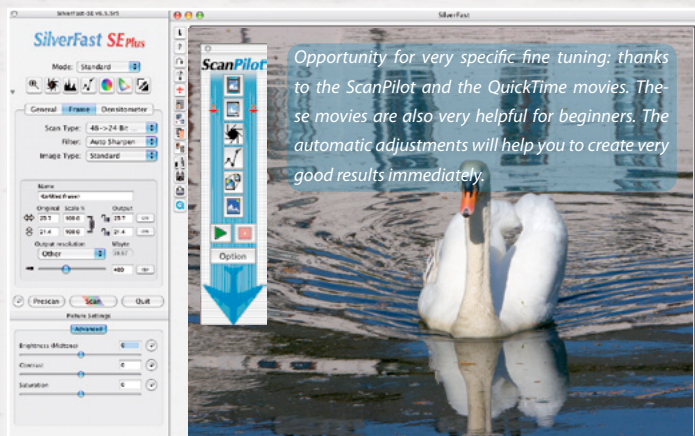*LaserSoft Imaging*®

SilverFast the Digital Power Tool

Opportunity for very specific fine tuning: thanks to the ScanPilot and the QuickTime movies. These movies are also very helpful for beginners. The automatic adjustments will help you to create very good results immediately.
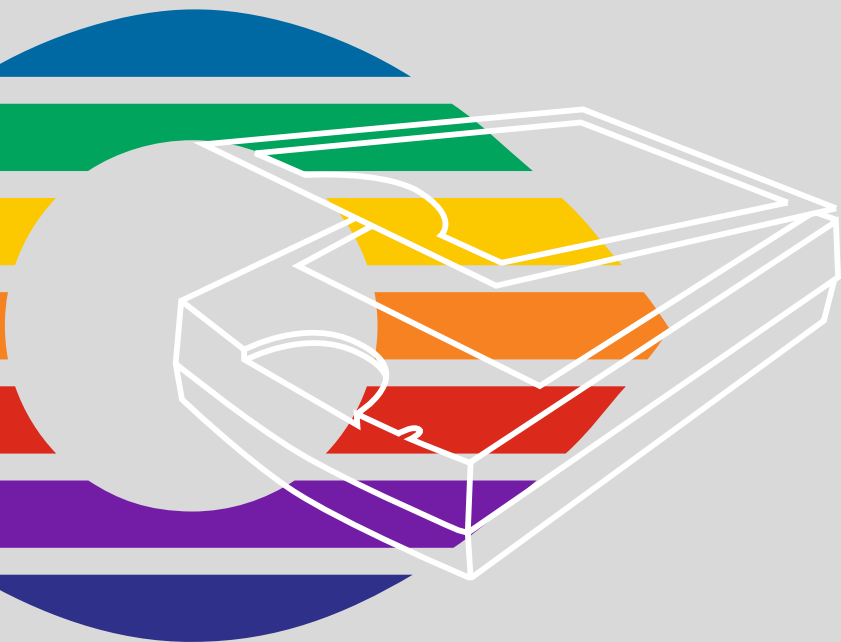
Upgrade to SilverFast®SEPlus

High Quality Scanning made simple!

SilverFast SE Plus is especially designed for those who want to enter the world of digital image processing. Images will immensely benefit from SilverFast's intelligent automatic functions which help to make the process of various adjustments much easier. Predictable color from the SilverFast SE preview gives imaging and color reproduction a new dimension securing the correct workflow with the ScanPilot.

SilverFastSE Plus wurde speziell für die Anwender entwickelt, die den Einstieg in den Bereich der Bildoptimierung suchen. Integrierte Automatikfunktionen und optimale Schärfeeinstellungen perfektionieren die Bilder wie von selbst. Der ScanPilot begleitet Sie Punkt für Punkt durch den Scanprozess nach empfohlenen Optimierungsschritten. Damit demonstriert er den professionellen Weg zum perfekten Bild.

SilverFast SE Plus a été spécialement conçu pour des utilisateurs qui souhaitent faire leurs débuts dans le domaine de l'optimisation de l'image. Des fonctions automatiques intégrées et des réglages optimaux de la netteté perfectionnent directement les images. Le ScanPilot vous accompagne point par point durant le processus de numérisation selon les étapes d'optimisation prescrites.

SilverFast SE Plus è progettato in maniera specifica per chi si avvicina al mondo del digital image processing. Grazie alle funzioni intelligenti automatiche di SilverFast, gli interventi sulle immagini risultano semplici ed efficaci. L'anteprima consente di previsualizzare i colori della scansione, fornendo così eccellenti risultati in termini di fedeltà cromatica; il tutto all'interno di un flusso di lavoro gestito da ScanPilot.
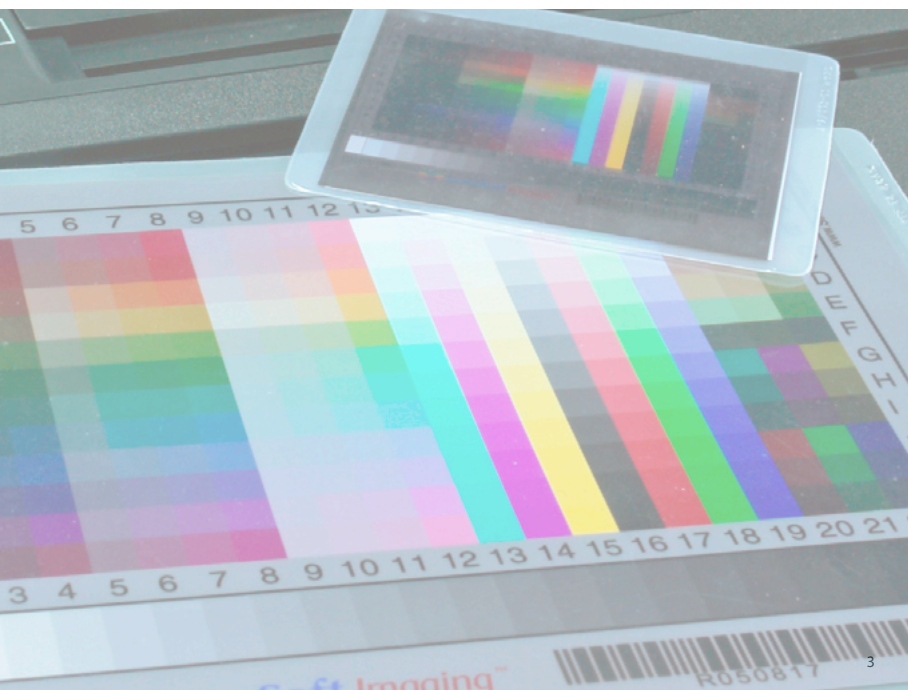
SilverFast SE Plus está especialmente diseñado para aquellos que se quieren iniciar en el mundo del procesamiento de imágenes digitales. Las imágenes se beneficiarán notablemente de las funciones inteligentes automáticas de SilverFast, que hacen mucho más fácil la realización de varios ajustes. La posibilidad de predecir los colores desde la previsualización de SilverFast SE da una nueva dimensión a la reproducción de imágenes y de color; mientras, el ScanPilot asegura un flujo de trabajo correcto.

SilverFast SE Plus foi desenvolvido especialmente para usuários iniciantes na área de otimização de imagens. Funções automáticas integradas e ajustes ótimos de nitidez aperfeiçoam as imagens sem esforço do usuário. O ScanPilot acompanha o usuário passo a passo pela sequência recomendada nos processos de digitalização e otimização. Ele demonstra o caminho profissional para a imagem perfeita.

Content

SilverFast® Software-Licence Agreement

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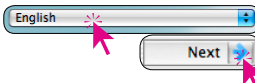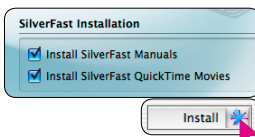
8. **Amendments**

   Amendments of this Agreement have to be in writing.

9. **Applicable Law**

   Applicable law is the German law; the United Convention of the International Sales of Goods (CISG) is hereby expressively excluded.

1996-2009 Copyright LaserSoft Imaging AG Germany • Luisenweg 6-8 • D 24105 Kiel
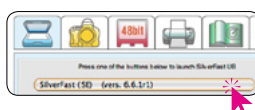
Installation of *SilverFast*

Insert the *SilverFast* installation CD-ROM into the drive. Start the CD if it does not run automatically. Double-click on the installation program "SilverFast Install Pilot.app".

• Select your language.
  Go on with "Next"..

• Click „Install SilverFast"

• Decide whether the *SilverFast* manuals and the *SilverFast* QuickTime movies should also be installed.
  Click on "Install".

• The installation parameters are now set and the actual installation process can begin. Follow the installation instructions of the operating system. Make sure that you have all installation rights (root or administrator) for your computer.
  End the installation process under "Quit".

Start *SilverFast*

Start from *SFLauncher*: Start *SFLauncher* by double-clicking the application. Choose the installed *SilverFast SE* version with a mouse-click on the appropriate palette.
SilverFast will start as usual.

Start from Photoshop: Start Photoshop and select your *SilverFast* version under "Import" in the "File" menu (Windows: "File" menu).
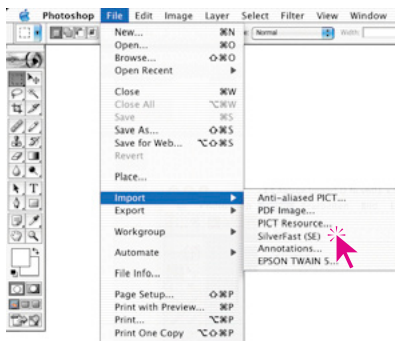
Serialization and Registration

The main dialogue comes up with the serialization dialogue, where you input your first name, last name, company and the serial number.

This code consists of numbers between 2 and 9 (no ones and no zeros) and all letters between A and Z – except the letters "i" and "o".

Click "Unlock SilverFast" once you have entered all data.

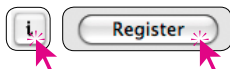Please register your version of *SilverFast*; only then will you receive support and have access to the latest versions using the Online-Update.

Clicking the „i" button, and then hitting the „Register" button will then launch the registration procedure.

SilverFast Workflow in six Steps

1. Prescan

Click "Prescan" to launch a pre scan. Next, adjust your scan frame to the desired size Adjust your frame by dragging the selection marquee over the image accordingly. Make sure the marqueed frame is inside the actual image area itself.
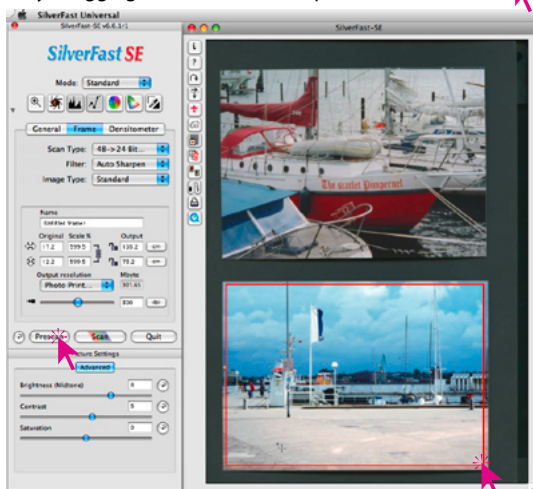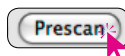
2. Image types and Auto-Optimization

Under "Image Type", make the appropriate selection to con-figure the "Auto-Adjust", so the automatic image control knows how to optimise the image. Immediately after the selection of an image type, the auto-adjust is applied auto-matically (notice how your image is optimised).

If you do not change "Image Type" selection you can press the auto-adjust icon in the tool bar to optimise the image. You'll soon notice how high lights, shadows and midtones are automatically corrected.
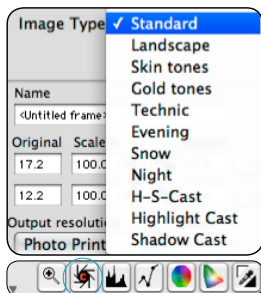
3. Correcting Brightness

If the image looks too bright or too dark you can open the "Gradation Curves" from the tool bar. Use the midtone slider to correct the overall brightness of your image.

Any correction that you perform can easily be undone by typing "Command-Z" and redone by typing "Command-Z" again ("Crtl-Z" on a Windows PC, respectively). In fact, you can toggle between the two.
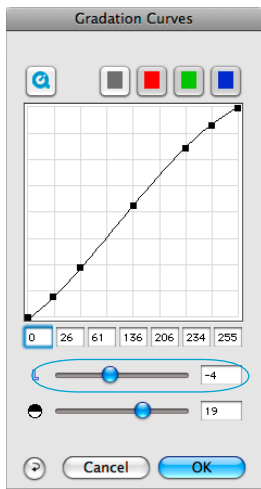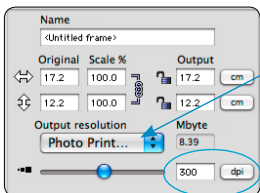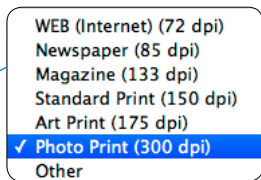
4. Setting the Image Dimensions of the Scan

Enter the desired output settings like output size and output resolution. An output resolu-tion between 200 and 300ppi is recommended for Ink jet and laser printers.
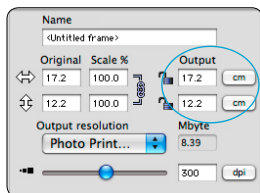
Setting the output size.   *Setting the output resolution.*

5. Sharpening the scan (USM)

Select "Sharpen (USM)" in the "Filter" menu. Since sharpening depends on resolution and scaling factor, be sure to set these parameters BEFORE sharpening. In order to see the effect of the USM on the scan, select "Prescan" in the

USM dialogue. *SilverFast* then scans the selected part of the image and displays the effects the current settings will have on the final scan. By clicking and holding the mouse into the window, the before/after effect is shown.
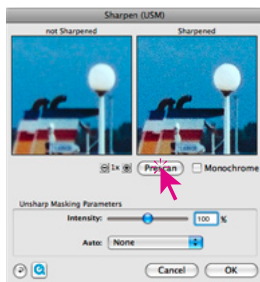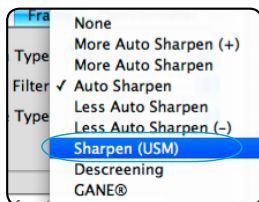
6. Start Scan / Start Batch Scan

In order to start scan click on "Scan" button and the scan into the image application or to disk will start.

SilverFast also has a batch mode. After all images have been optimized as shown in steps 1 through 5, switch to "Batch Mode (File)". (General Tab / Scan mode).
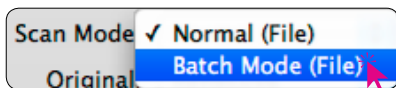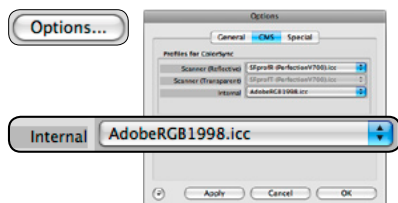

Clicking on the now updated "Scan" button will open the "Save" parameters; once selected, the batch scan will launch.
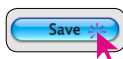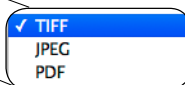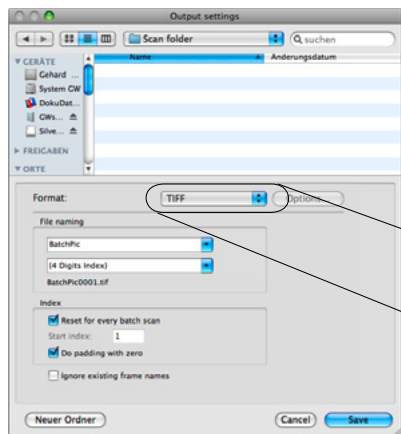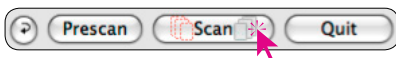
Colour management

Ideally, the viewed colour of the screen image should be the identical for *SilverFast* and Photoshop. However, that can only happen when an identical working colour palette is used in both programs.

SilverFast SE

The set up for a working colour palette is done in „Options… / CMS (Win: ICM)" at „Profiles for ColorSync / Internal".
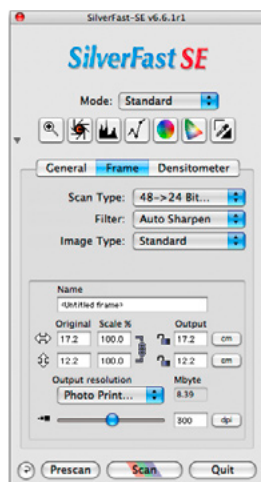
Photoshop

The set up of a working colour palette is done in „file / colour set up / RGB". Here „Adobe RGB (1998)".

Basic interface

Apart from the "Standard" user interface, *SilverFast SE* also offers a simplified "Basic" mode. The interfaces can be selected under "Mode".

Additional Functions

Flexible Zoom (only available with SilverFast *Ai Studio ME*)

Holding down the "Ctrl" key turns the mouse button into a plus-magnifier. To perform a zoom, simply keep the key pressed and drag a scan frame within the prescan window. The contents of this frame will immediately be magnified once the mouse button is released.
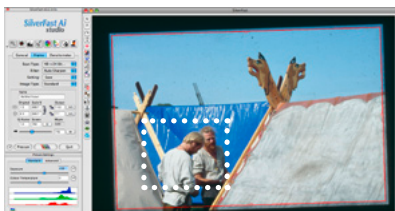
Alternatively, a preset zoom ratio can be selected in the pull down menu in the lower left of the prescan window.
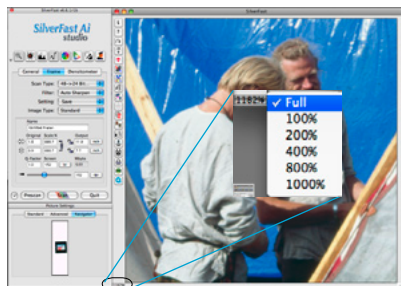
Automatic Frame Detection and Frame Rotation*

This function places automatic scan frames on the preview. Note that it is necessary that these images have a certain distance between them and the scanner edges. A strong contrast background is very helpful for reflective images. Transparencies should be placed into the respective holders whenever possible. Inactive frames will be displayed in white colour; the active frame in red.

*The *SilverFast SE Plus* and *Ai Studio* Upgrades additionally include the auto-rotation feature which aligns all frames automatically.

The moue can be used to adjust the frame size by moving it over the frames corners or sides and the frame itself can be rotated by click dragging the as well as to align the frame manually.

Global Colour Correction (GCC)

In this dialogue, you can change the entire colour rendering of the scanned artwork.

By clicking or click dragging within the colour sphere, the colour characteristic of the scanned artwork will be moved into the selected area.

The degree of changes can be adjusted by means of the three-step slider. The lower level will produce small changes. The upper level will produce large changes

Global Color Correction
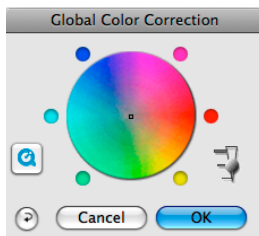
Selective Colour Correction (SCC)

Open the selective colour correction from the tool bar

and click into your image on the coloured object you wish to correct.

SilverFast detects the colour and displays the colour sector in a list. The Presets in the roll down menus allows quick colour correction.

The "ACR" slider regulates the saturation of the colour. Note that the *ACR* checkbox needs to be activated.

Selective Color Correction (SCC)

Red:		stronger
Green:		<none>
Blue:		<none>
Cyan:		blue ++
Magenta:		<none>
Yellow:		<none>

Histogram

The highlight, shadow and midpoints can be corrected

by mouse dragging the small triangles. The respective values are displayed numerically as well.

Colour casts which may possibly be there in the image can be reduced with the slider at the bottom of the dialogue.


Histogram
Shadow   0   Highlight 197
Color Cast Removal   100 %
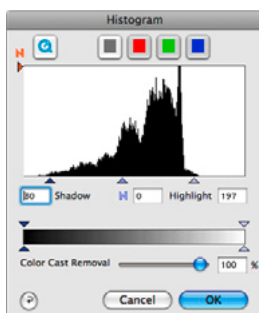
Selective Colour to Grey Conversion (*SC2G*)

SC2G serves to selectively converting primary- and secondary colours into shades of grey.

Under "Scan Type" you switch from colour to greyscale mode.

Clicking onto the button "Selective Colour Correction" opens the *SC2G* dialogue.

Clicking onto a shade you want to change will select the appropriate colour in the *SC2G* dialogue. Colour triangles above the colour to gray controls indicate the colour effected more visibly. Press the small top or bottom triangles on the controls. The top triangle will increase the brightness, the bottom triangle will decrease the brightness of a shade.
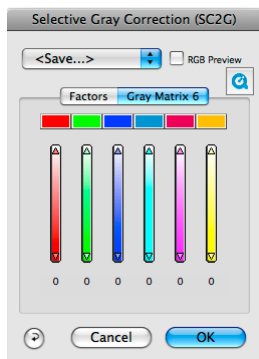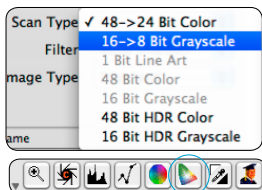
## Dust and Scratch Removal (SRD, iSRD*, ICE**)

The "SRD" function for removal of dust and scratches is available for all scanners. Some scanners have an infrared channel as well. These machines then have the additional "iSRD" and "ICE" function in the menu.

SRD **(Smart removal of defects)** is a scratch removal without the use of infrared information, but still offers many helpful settings which work with layers and quick masks. Even B/W negatives are restorable which does not work with infrared due to technical impossibilities.

iSRD **(infrared smart removal of defects)** operates on its own layer with real time preview. The effect of the infrared channel can be adjusted individually. *iSRD* works fine with Kodachrome.
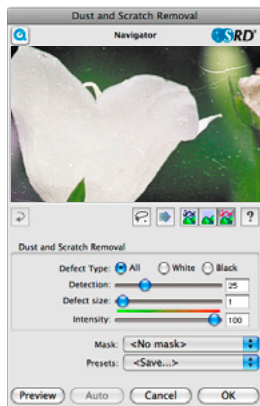
ICE (Image correction and enhancement) – uses infrared channel) works fully automatic without any form of preview of the final result. Depending on scanner model up to 2 intensities may be selected.
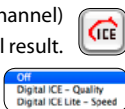
Multi-Exposure **(ME, depending on scanner and only available with S*ilverFast SE Plus ME* or *Ai Studio ME*)**

Multi-Exposure scans transparencies with variable exposure times. This increases the dynamic range of the scanner while minimizing noise (random pixels generated by imperfect CCD elements). As a result much more fine details become visible especially in the darker areas of the image.

### *Multi-Sampling* **(MS, only available with S*ilverFast SE Plus ME* or higher)**

Multiple sampling can be applied for some scanners that show a visible, strong noise in the shadow areas, in order to eliminate the artefacts.

Multi-Sampling can be activated with its own button. The number of scans per scan frame can be 1, 4, 8 or 16. A small number in the button will show the number of sample scans.
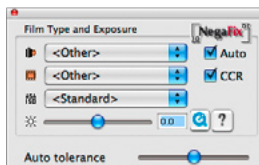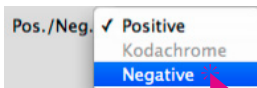
AACO **(only available with S*ilverFast SE Plus* or *Ai Studio*)**

SilverFast AACO is an excellent tool for the correction of dark, too much contrast bearing image parts while preserving the details in the highlights.
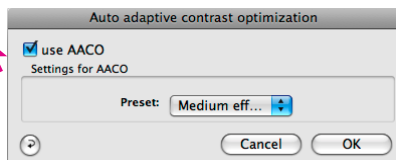
NegaFix

NegaFix is a conversion tool for negative films – currently, over 120 different film profiles of the largest manufacturers are selectable.

Multiple Neutralising Pipette (*MidPip4*)

MidPip4 (Advanced Colour Cast Removal) allows removal of colour casts conveniently, which result from a mixed light situation. Select the „Pipette tool" and click the area on the preview that you want to neutralize.

Reset / General Reset

In order to reset the correction within the active scan frame, click the "Reset"-button in the *SilverFast* dialogue window.

In order to reset all *SilverFast* correction settings, press the "Shift" key and click on the "Reset-All"-button in the SilverFast dialogue window.

Removing the Screen from Printed Artwork

To scan artwork done with offset printing, as for example from a magazine, the scans have to be "descreened." First, select the function "descreen" in "Filter." Enter the output screen as a numerical value under "De-screening parameters"
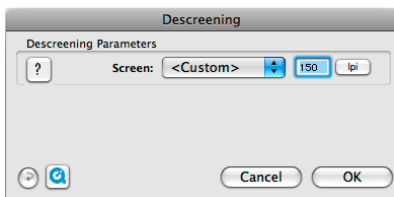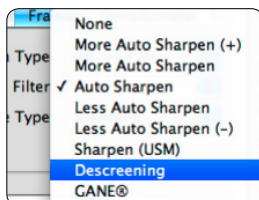
SilverFast®Ai IT8 Studio ME


without IT8 Calibration

with IT8 Calibration

SilverFast auto IT8 Calibration

Due to the genuine combination of the automatic frame detection and the integrated barcode technology imprinted on LaserSoft Imagings IT8-Targets the complete calibration process runs fully automatic. Just place the LSI-Target on the scanner and start the calibration process. Just 2 mouse clicks and 2 minutes later your scanner produdes color proof results.
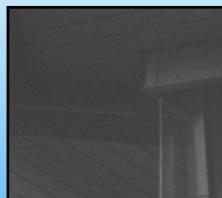
without Multi-Exposure
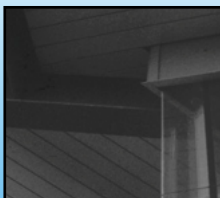
with Multi-Exposure

SilverFast Multi-Exposure

The objective of Multi-Exposure is to enhance the Dynamic Range of scans from film material since a scanner rapidly reaches its limits with single scan acquisition.

European Digital Press Awards 2008
BEST COLOR MANAGEMENT SOFTWARE

System requirements*
Mac OS X, Windows 2000, XP, Vista, Windows 7,
512 MB RAM, (1 GB RAM recommended),
500 MB free hard disk space, CD-/ DVD-drive

* Please check the compatibility of the software
and features, your device and operating system
at http://www.silverfast.com/product/en.html or
ask your dealer.
SilverFast® and LaserSoft Imaging™ are registered
trademarks of LaserSoft Imaging AG, Germany.
All mentioned trademarks are the protected
trademarks of the respective owners.

Systemanforderungen*
Mac OS X, Windows 2000, XP, Vista, Windows 7,
512 MB RAM, (1 GB RAM empfohlen),
500 MB freier Festplattenspeicher,
CD-/ DVD-Laufwerk

* Bitte überprüfen Sie die Lauffähigkeit der Soft-
ware und Features für Ihr Gerät und Betriebssy-
stem unter http://www.silverfast.com/product/
de.html oder befragen Sie Ihren Händler.
SilverFast® und LaserSoft Imaging™ sind die ein-
getragenen Warenzeichen der LaserSoft Imaging
AG, Deutschland. Alle erwähnten Warenzeichen
sind die geschützten Warenzeichen der jewei-
ligen Inhaber.

Configuration système requise*
Mac OS X, Windows 2000, XP, Vista, Windows 7,
512 Mo de RAM, (1 GB RAM recommandé),
500 Mo d'espace libre sur le disque dur,
lecteur CD/ DVD.

* Vérifiez le fonctionnement du logiciel pour vo-
tre appareil et système d'exploitation sous http://
www.silverfast.com/product/fr.html ou consultez
votre revendeur.
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Patents: EP 1594301, EP 1744278

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