Film Scanner Technology

 $ASF^{\text{\tiny TM}}$'s film scanner technologies provide the most complete solution for automatic image correction and enhancement during the scanning process.

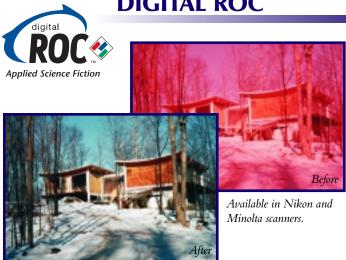
DIGITAL ICE™

Digital ICE removes surface defects automatically without altering the underlying image. The process is accomplished by obtaining information about the nature and location of surface and near surface defects as an image is scanned.

Digital ICE accurately identifies surface defects on scanned film and automatically removes the defects from the resultant digitized image. This technology offers imaging professionals and amateurs a fast, cost-effective way of ensuring that the photographic images reproduced in digital form are consistently of superior quality.



DIGITAL ROC™



Digital ROC automatically removes the colorcast from faded images and the effects of tungsten and fluorescent lighting. Digital ROC automatically restores film color by using proprietary algorithms to read the dye signature in color negatives and slides. The dyes used in color films fade over time from the effects of storage conditions (temperature and relative humidity) and exposure to light. This fading is not uniform, but affects highlights, midtones and shadows in different ways. The fading is also dependent upon the film type, storage time and conditions and original processing. Digital ROC automatically and meticulously rebuilds the lost color values in film, resulting in color-corrected digitized images.

DIGITAL GEM™

Digital GEM automatically reduces grain in film images. Reducing image grain has plagued photography enthusiasts as a painstaking and time-consuming process. By analyzing and reducing the grain caused by the film emulsion, Digital GEM enhances the clarity of a scanned film image while preserving its colors, gradations and sharpness. Digital GEM analyzes a film's unique grain pattern pixel by pixel, extracts all data related to image quality, color and sharpness, and decreases the grain from the scanned record of the image, which results in dramatically improved images. With Digital GEM, faster-speed films and smaller-format cameras (like 35mm) can now be used with the same success as slower-speed film and large-format cameras.



Available in Nikon and Minolta scanners.

The Digital ICE³ imaging suite is the combination of the three applications. A scanner with the suite provides the professional and amateur photo enthusiast with simply the best digital image possible, automatically. Digital ICE³ implementation results in the most complete, automatic, photography restoration solution available in the market.



Available in Nikon and Minolta scanners.





Removes Surface Defects

Restores Color Quality

Reduces Grain Noise





"Digital ICE³ does instantly and better what you would otherwise need hand retouching for."

> Jerry O'Neill, Freelance Writer (Photographic Magazines, US and Abroad)

PLUG-IN SOFTWARE

Whether your film scanner has Digital ICE³, one of its components or none at all, ASF's direct marketed Digital ROCTM and Digital SHOTM plug-ins can enhance the functionality of your scanner or other digital device.

The Digital ROC plug-in automatically removes the colorcast from faded images and the effects of tungsten and fluorescent lighting. This ASF plug-in improves the color of an image by using proprietary algorithms to analyze the color gradients and determine the optimum tonal curve for each color channel.

Digital SHO plug-in automatically reveals details hidden in shadows commonly caused by exposure problems such as backlit

subjects, uneven flash illumination and partial shade. The Digital SHO plug-in proprietary algorithms analyze and adjust the gradations of darker image areas to optimally reveal hidden details while preserving details in highlight areas.

Restores and Balances Color



ASF's Digital ROC and Digital SHO plug-ins are compatible with most applications that accept Adobe® Photoshop® plug-ins.

To Purchase the Plug-ins or Download a FREE Trial Visit...



Applied Science Fiction™

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