WHAT IS

DE▶BABELIZER®
THE **GRAPHICS PROCESSING** *TOOLBOX*™

The most powerful set of tools for automated production and translation of graphics, animation and digital video.

DeBabelizer's capabilities extend far beyond ordinary file conversion, offering easy internal scripting and batch features, combined with dozens of editing and palette manipulation tools. DeBabelizer can automatically process thousands of images with the versatility of saving files to any of over 60 bit-mapped graphic as well as several animation formats.

The Origin of DeBabelizer

The name DeBabelizer is derived from the Biblical story of the Tower of Babel wherein the Lord, displeased with the tower, caused the workers to speak many different languages. Unable to communicate, the people abandoned the project.

By cutting through communication problems caused by the multitude of graphic file formats from different computers and applications, DeBabelizer enables you to complete your projects quickly and easily.

WHY IS DEBABELIZER
SO NECESSARY?

A Digital Funnel

Bit-mapped File Translation - Just the Tip of the Iceberg
There is a multitude of graphics formats for different software applications and computer platforms. Graphics created in one program and saved in any given bit-mapped format may need translation to be used in different programs on the same (or on different) computers. DeBabelizer solves this problem by intelligently translating over 60 cross platform bit-mapped graphic and animation formats.

Save Time and Money with Automated Graphics Production
DeBabelizer boasts essential image editing and manipulation capabilities as well as intricate palette controls. Apply any combination of these tools via DeBabelizer's sophisticated Internal Scripting and Batch Processing, to modify graphics automatically and speed up your production.

The possibilities are endless...

THESE PEOPLE CAN BENEFIT BY USING DEBABELIZER

Animators
Art Departments
Art Directors
Graphic Designers
Desktop Publishers
Desktop Video Producers/Artists
Game Developers
Internet Publishers
Multimedia Producers
Service Bureaus
Software Producers/Developers

Anyone who works with multiple bit-mapped images or uses products like these...

Adobe Photoshop
Fractal Design Painter
Macromedia Director
3D Studio

...will find that DeBabelizer is essential.

BENEFITS OF USING DEBABELIZER

• Provides unrivaled **cross-platform tranlsation** for over 60 bit-mapped graphics as well as several animation formats

• Contains dozens of **essential graphics processing tools**

• Supports OMF and other popular production software, including: **Electric Image, Alias, SoftImage and Wavefront**

• Includes support for interlaced **GIF, PNG** and **progressive JPEG** - the most widely used formats for Web page creation

• Unsurpassed 24-bit to 8-bit **color reduction** (without significant loss of color or image quality)

• Proprietary **SuperPalette**™ automatically creates the optimal palette for a series of images

• Integrated **Batch Processing** and **Internal Watch Me™ Scripting** save time by automating repetitive editing and manipulating tasks.

• Supports most Photoshop compatible **Acquire, Export** and **Filter plug-ins**, **Applescript** and **ColorSync 2.0**

DEBABELIZER BENEFITS:
CROSS PLATFORM TRANSLATION

•Reads and writes over 60 bit-mapped graphic and animation formats

•Translates formats between Macintosh, PC (DOS/Windows), Amiga, Silicon Graphics, Sun workstations Amiga, Apple II and more

•Automatically identifies files (without full identification)

No file extensions needed

Unlike most other programs, no special settings required to read a specific format.

•Performs animation (or QuickTime movie) translations.

Animations In ➡ Animations Out

Stills In ➡ Animations Out

Animations In ➡ Sequentially Named Stills Out

DEBABELIZER BENEFITS: COLOR & PALETTE ADJUSTMENT

SuperPalette - creates the best palette for a series of images

Dither Options - controls percentage of dither and excludes colors

Remap to Palette - Forces any image to a specific palette and lets you set off-limit colors

Change Bit Depth - superb color reduction to any number of colors

Background Removal - Replaces a range of colors with a single background color

Merge Palettes - merges selected portions of two separate palettes into one

Translate or Rearrange Pixels - exchanges color values in a palette and/or in an image

Intensity - controls color intensity, contrast and RGB levels
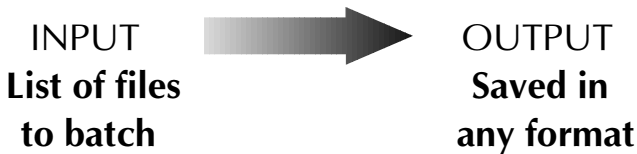
DEBABELIZER BENEFITS: INTERNAL SCRIPTING

•Uses menus and dialogs in any sequence, creating a custom set of edit functions to suit your needs

•Easy to use and easily modified; no coding or special language required

•Watch Me mode allows scripts to be created as you work

•Many extra functions available

•Also includes several commonly used pre-defined scripts

DEBABELIZER BENEFITS: BATCH PROCESSING

Saves time, effort and money by automating repetitive tasks.

Translates any number of files directly or uses a script to perform any process or series of processes as images are translated.

Batch Conversion

INPUT   OUTPUT
List of files   **Saved in**
to batch   **any format**

Batch Conversion with Processing

INPUT   PROCESS   OUTPUT
List of files **Transformations**   **Saved in**
to batch   **or scripts**   **any format**

DEBABELIZER BENEFITS: BATCH PROCESSING OPTIONS

Catalog - automatically takes a series of images (or thumbnails) and places a number of them onto individual pages, for printing and/or saving

Compare - reports and displays differences between images or a series of images; trims animation files only to the area in which changes have occurred from one frame to the next; sets color of identical pixels; sets alpha channel of identical pixels to a specific color

Export - saves graphics using Photoshop 3rd party Export plug-ins with full options

Save and Save Simple - processes and saves a series of images

Slideshow - opens and displays each image in a series for a set time, and continues

SuperPalette - creates the best palette for a series of images

Place & Save - composites one series of images on another series of images and saves

DEBABELIZER BENEFITS: BATCH PROCESSING - UNATTENDED OPERATION

The question may be, "How do I know it worked without having to check all the results?"

To eliminate any anxiety, batch operations may contain the following options:

> All files processed can be listed for later viewing.

> Any errors will be listed, however processing will not be halted.

> Any dialogs not previously set, can have "OK" pressed automatically.

DEBABELIZER BENEFITS: USES PHOTOSHOP COMPATIBLE PLUG-INS AND APPLESCRIPT

Acquire Plug-ins may be used to scan or digitize images directly into DeBabelizer, or to read unsupported formats.

Export Plug-ins may be used to write files to videotape, high quality film, or unsupported formats.

Filter Plug-ins may be used with batch processing. The **Filter Interpolation** feature will even animate certain filter effects by modifying them over time on a series of Quicktime frames, still images or other animation files.

COMPATIBLE FILTER PLUG-INS

Adobe Gallery Effects 1, 2 & 3
Adobe Photoshop 2.0, 2.5 & 3.0 (selected)
Andromeda Series 1 & 2
Kai's Power Tools 2.0 & 2.1
Ring of Fire's Photomagic
Xaos Tools' Paint Alchemy 2, Terrazzo & Typecaster

DEBABELIZER BENEFITS: DESIGNING FOR THE INTERNET

Automatically translates and processes any currently supported bit-mapped format to GIF, JPEG or PNG - the most commonly used formats for the World Wide Web.

> **Interlaced GIF/Progressive JPEG -** for a fade-in effect
> **Intelaced GIF with transparency -** for images with transparent backgrounds
> **JPEG** - compressed for speedier display & downloading
> **PNG** - important new Web format

•Create optimal palettes for a series of images and reduce the bit-depth (image size) without significant loss of color or image quality

•Save images as Quicktime movies to include animation within a Web page

•"Flatten" Quicktime movies for viewing in Windows 3.x and Windows '95 web browsers

DEBABELIZER BENEFITS: COMPLIMENTS ALL CURRENT SOFTWARE

Any paint, 2D and 3D animation, image processing and scanning applications will be enhanced by using DeBabelizer.

For example:

Images may be batch prepared for detailed work in Adobe Photoshop™.

Animations may have their palettes optimized for use in Macromedia Director™.

DeBabelizer file translations enable graphics to be saved in formats that can be imported by programs such as Aldus PageMaker™ or Quark XPress™.

DeBabelizer provides a gateway to and from DOS/Windows, Autodesk 3D Studio or Autodesk Animator animations.

WHAT REVIEWERS ARE SAYING ABOUT DEBABELIZER

"Every once in awhile a breakthrough product comes along and revolutionizes your entire life: the wheel, electricity, and now DeBabelizer."

★ ★ ★ ★ 1/2 *Publish* magazine
Winner Publish Impact Award 1993

"The ultimate file translator packs a lot of features into one package."

◆ ◆ ◆ ◆ *MacWeek*

"Anyone doing cross platform multi-media development using a Mac should get a copy of DeBabelizer."

rating of 5 *New Media* magazine

"If you spend any significant amount of time dealing with file conversion or adjustment, you should have DeBabelizer."

MacWorld magazine

"The polyglot of bit-map file conversion, DeBabelizer is more than a conversion utility."

MacUser magazine
Editors Choice Award 1992

"...destined to become a classic, like Photoshop".

SVM Mac magazine (France)
Best Graphics Utility, 1993

WHAT DEBABELIZER CURRENTLY *CANNOT* DO

•Does not read vector (object) file formats (except PICT)

•Does not read EPS (Encapsulated Postscript)

•Does not read Adobe Illustrator™ or Aldus Freehand™ formats

•Does not read CAD (Computer Aided Design) formats, like DXF

•Does not read CGM (Computer Graphics Metafile)

•Does not read audio files

•Does not read CMYK or DCS separation files

GRAPHICS READERS & WRITERS

Macintosh
Clipboard
CLUT resource ....(write only)
EIDI........................Electric Image, single and multiple frame
EPSF...................   Grayscale and color bitmaps with & without PICT
                          preview
MacPaint™
Photoshop™.......... ...2.0, 2.5, 3.0 (flattened)
PICS.......................Animation (multiple PICT resources)
PICT1
PICT2....................All bit depths, (r) Vector format
PIX........................Alias
PixelPaint™ v 1.0.. ...(r)
QuickTime™ Movies (includes original sound)
QuickTime™ Stills
RIFF..................... ..(r) B&W, Grayscale and RGB
Scrapbook
Startup screen. ....Color and B&W
System 7 Picture Icons
System 7 Picture Previews
TGA....................   TrueVision/Targa - 8,16, 24, 32 bits compressed and
                          uncompressed
TIFF......................   Grayscale, color mapped and RGB; uncompressed,
                          Packbit compressed and LZW compressed; Group 4
                          (fax); (r) CCITT compressed, (r)Thunderscan™
Thunderscan™ ....(r)

DOS/Windows
BMP (DIB) ....compressed (RLE) and uncompressed
DPaint™ ANIM..... ...(r)
Dr. Halo™ CUT.... ....Color and B&W
EPSF.....................   Grayscale and color bitmaps with & without TIFF
                          preview
FLI, FLC....................Autodesk Animator, 3D Studio
IFF (LBM)............. ...1 to 8, 16, 24 bit & (r) PBM
IMG...................... .Ventura Publisher™ (GEM)
Lotus™ PIC............ ...(r)
MSP Type 1............Microsoft Paint™
Quicktime™ for Windows ("flattened" movies)
PBM, PGM & PPM ..(r)

(continued)

DOS/Windows (con't)

PCC........................ .(r)
PCP........................ ..(r) PC Paint™ (B&W mode)
PCX........................ .PC Paintbrush™ Color and B&W; 1 to 8 and 24 bit
Pictor™................. ...(r)
TGA..................... TrueVision/Targa - 8,16,24,32 bits compressed and
uncompressed
TIFF........................ Grayscale, color mapped and RGB; uncompressed,
Packbit compressed and LZW compressed,
(r) CCITT compressed
WPG........................ (r) WordPerfect™ Graphics

Apple Series

Apple II and IIGS... Paintworks,™ Preferred, limited and full color hi-res,
packed hi-res, packed double hi-res, super hi-res.
Also queezed single or double hi-res and Paintworks™

General

Abekas ....digital video
BOB
FITS Astronomical ...single and multiple frame
GIF.........................Interlaced/Non-interlaced with/without transparency
JPEG, Progressive JPEG
Kodak PhotoCD™ .... (r)
OMF™ Interchange ..Avid Technology
Pixar™
PNG........................Portable Network Graphic
Raw Custom............(r)
Raw RGB
RLE ....Compuserve™
QDV

Atari ST

Degas
NEO
Spectrum.................(r) Compressed and uncompressed

Commodore 64

C64........................ .(r) Koala, packed, crunched and uncompressed

Commodore Amiga

IFF (LBM) HAM....... .HAM (8), SHAM, DHAM (r)
IFF (LBM)............... .1 to 8, 16, 24 bit & (r) PBM

(continued)

Silicon Graphics
Image files
PIC ....SoftImage, uncompressed and compressed
PIX ....Alias
RLA ....Wavefront, single and multiple frame

Sun Microsystems
SUN Rasterfiles

UNIX
PBM, PGM & PPM   (r)

X Windows
XWD screen dump
X11 **XBM Bitmap** .... (r)

Digital F/X
Video F/X & Titleman

3DO
(available *only* from 3DO)

Extra Formats Packages

Philips CD-I (available for an additional charge)
IFF.......................   DYUV, CLUT8, CLUT7, RL7, CLUT4, CLUT3, RL3,
RGB555, RGB888

DEBABELIZER SDK
(Software Developer's Kit)

The SDK gives programmers the ability to create custom readers, writers and filters (also referred to as Custom Code Modules or CCM's) for use within DeBabelizer Toolbox.

The SDK is available free of charge on our BBS and Website.

> **BBS number:** (415) 332-6152
> **Website:** www.equilibrium.com