Filmworkz
Create Incredible

EXCEPTIONAL FILM & VIDEO RESTORATION

PHOENIX

SIMPLY THE BEST SUITE OF...

film & video restoration tools in the world.

EMMY® AWARD
WINNER

WITH OVER 30 YEARS OF IMAGE SCIENCE...

and development behind it, Phoenix has long been the number one choice of restoration artists and archivists working on the most demanding jobs producing exceptional results with minimal manual intervention.

Manage your whole restoration workflow from scan to deliverables and take advantage of the full range of DVO Tools to bring you unmatched enhancement, correction and conversion capabilities. And now all Phoenix editions include our DVO Core Pack, offering even more incredible value.

Trusted by:

SO MUCH MORE THAN RESTORATION

Phoenix is the perfect host platform to access the entire range of Digital Vision Optic (DVO)
Tools based on Emmy award-winning technology. To give you a taste of the power of our DVOs
we have featured here one of the most popular.

DRY CLEAN

DVO Dry Clean is the result of years of experience and research into the best techniques to detect
and conceal dust and other defects. Compared with other tools it is significantly better at detecting
defects and allows much larger defects to be automatically repaired, even those that would previously
have required manual intervention.
Dry Clean is part of our Phoenix DVO Core Pack (now included with all Phoenix editions at no additional cost).

PHOENIX IS NOW FASTER THAN EVER!

DVO render improvements with
up to 30% speed increases

First release following our major
and unprecedented code overhaul

New Planar, Deform, Warp and
TRS tracker based on entirely
new highly intelligent algorithms

Sequential file export optimization
with massive performance
improvements for exports over
SAN and NAS

WHY CHOOSE PHOENIX FOR YOUR NEXT RESTORATION PROJECT?

1 **COMPLETE WORKFLOW FROM SCAN TO DELIVERABLES**

Correct and deliver projects with mixed film and video media on a single timeline for mastering, archival and preservation.

4 **BUILT FOR SPEED AND PRECISION**

Great results, fast, with reduced manual intervention combining the best automatic, semi-automatic and manual restoration tools.

2 **EMMY AWARD WINNING TECHNOLOGY**

Full access to the entire range of DVO Tools for an unmatched choice of additional enhancement, correction and conversion capability (optional).

5 **FLEXIBLE MULTI-LAYER TIMELINE**

Work with material in a familiar and flexible way, using multiple video and audio tracks.

3 **MORE THAN RESTORATION OUT OF THE BOX**

Powerful Phoenix DVO Core Pack included at no additional cost.

6 **NO CAPITAL INVESTMENT REQUIRED**

Flexible purchase options to suit you.

HERE'S WHAT OUR CUSTOMERS SAY

DVO Dry Clean is extremely versatile and effective. It's always my first port of call for any dust, dirt and mark removal.

**JOSH CLARK
ITV**

DVO Dry Clean filter is one of those revolutionary restoration tools that every post production facility should have in their toolbox.

**JUSTIN MISCH
ORIGINS ARCHIVAL**

PHOENIX EDITIONS

Start with Phoenix Core, Film or Video and add extra DVO Packs as required or go full-out with Phoenix Ultimate and access every DVO from day one.

P PHOENIX CORE

Cost-effective image restoration software primarily for film-based material that is ideal for cleaning up your scans.

- Powerful automatic scratch and dust removal
- High quality manual repair tool-set to quickly turn around intensive repair tasks
- Image stabilization

DVOs in this Edition

Regrain RGB; Scratch Target; Dry Clean; Steady 2; Dust GT; Fix; Dust & Fix.

P PHOENIX FILM

The best high-end restoration tool-set for repairing damage to film material.

- Combines the best in automatic, semi-automatic and manual restoration tools
- Editorial and effects processing capability
- A single system that delivers for both mastering & archival and preservation

DVOs in this edition

All DVOs in Phoenix Core, plus:
Chroma; Dirt Map; Flicker; Frame; Pixel; Print Align; Print Align Sequential; Warp; Alias; Aperture; Clarity; Grain GT; Sharpen; Dust.

P PHOENIX VIDEO

Highly automated restoration and enhancement of video content stored on various tape formats, such as 1", U-Matic and Betacam SP.

- Handles common image defects such as drop-outs, severe noise, cross colour artefacts, line sync problems and more
- Motion compensated frame rate conversion
- High quality up-scaling
- Full support for common broadcast codecs

DVOs in this edition

All DVOs in Phoenix Core, plus:
Chroma; Pixel; Alias; Aperture; Grain GT; Cross-color; Dropout + Fix; Line-Sync; Noise; Dropout; Brickwall; De-interlace; Twister; Zoom; Upscale; Three Two; Stereo Fix; Scala.

P PHOENIX ULTIMATE

The power of both Phoenix Film and Phoenix Video in a unique combination, allowing users to fully correct and deliver projects of mixed film and video media with related artefacts, within a single timeline.

DVOs in this edition

All 34 DVOs (all those found in the Core, Film & Video editions) brought together in one place.

TOTALLY INCREDIBLE!

MAIN FEATURES OF ALL PHOENIX EDITIONS

BACKGROUND CACHING

Unobtrusive background rendering ensures you always have the best results available without interruption.
Our selectable GPU and layer cache operations allow you to streamline the rendering pipeline to suit your needs.
Full cache management options and compressed caches are also supported in project.

DOLBY VISION MASTERING

Mastering and trimming of Dolby Vision content with Integrated Software Content Mapping and support for hardware Content Mapping Unit Library.

EASY PROJECT CREATION

Create multiple output formats for a single project. Easily create multiple deliverable versions in different resolutions. ACES Managed workflows fully supported.

COLOR CONVERSION TOOLS

Color Space conversion, Illuminants, Curves, Gamma conversion, PQ transform are all available and can be applied at different stages of the rendering pipeline.

DVO IMAGE ENHANCEMENT

Access to DVO Tools for advanced image processing. All DVO Tools are included in Ultimate editions or can be purchased as upgrade packs.

EVENT VIEW

Use the event view to navigate, compare and recall easily from any other timeline event.
Open different compositions for recall or comparisons from other compositions.
Recall entire grades or single tools.

COMPREHENSIVE COMPARISON TOOLS

Compare images and grades by Track, Playhead, Source or Event. Modes include: Dual, Split, Checkerboard, Red Difference, Butterfly, Cut, Mono, Subtraction, Subtraction Multiply.

CONFORM AND GRADE MERGING

Merge grades to new edits and timelines using our color-coded merge list. Merge from EDL, AAF or XML, using multi-source or mixdown sources with original AAF or EDL. Extensive conform capabilities, with a dedicated conform window and conform options for all file imports.

DVO IMAGE PROCESSING TOOLS

Award-winning tools for cleaning and enhancing digital and film material. DVO Dry Clean the best-automated Dust and dirt removal, Steady and Scratch Target, Dust GT, Fix and Regrain, are just some of the tools that have become an indispensable part of the restoration artist's box of tricks.

EXTENSIVE FILE IMPORT AND EXPORT OPTIONS

Support for DPX, TIFF, EXR, DNxHR, XDCAM, H264, MP4, Apple ProRes with 2020 and PQ encoding options, Arri, Codex HDE, RED, Sony RAW, Braw, HDCAM 50, XAVC, AVC-Intra 100, IMX, DNG, Phantom and more. AAF export for reimport into Avid or MXF export for Avid relink workflow. Record and Source order export of material, including original tape name and timecode on export. Image scaling and clipping options on export. LUT and CDL Export. Multi-threaded image sequence exports, multi-part matte export for EXR sequences, export cache for fast exports to SAN and NAS locations.

INTUITIVE USER INTERFACE

The timeline, memories and effects views are all accessible simultaneously making working from shot to shot a seamless and straightforward process. The memories view speeds up the workflow, offering different ways to store, recall and compare your grades. Notes enable you to save unlimited numbers of these snapshots in folders so that you can assemble libraries of looks and access them in any project, while the events view gives you a storyboard overview of each timeline. With the unlimited multi-layer timeline, you can combine capabilities, using different isolation layer tools to produce complex looks quickly.

OFX SUPPORT

Access to OFX plugin effects, including Sapphire and Beauty Box effects.

TEMPORAL TRACKING

Our latest tracker offers Planar, Translate and Deform tracking. The tracker's algorithm is highly advanced, making easy work of even the most difficult to track scenarios

DVO IMAGE ENHANCEMENT

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EVENT VIEW

Use the event view to navigate, compare and recall easily from any other timeline event. Open different compositions for recall or comparisons from other compositions. Recall entire grades or single tools.

INTEGRATED SCOPES AND MEASUREMENT

User configurable scopes and measurement tools. ROI Display. Waveform and PQ Nit displays. Custom labels Multiple monitor support – Multi-monitor support with different resolution configurations.

NETFLIX PRODUCTION TECHNOLOGY ALLIANCE PARTNER

The Netflix Production Technology Alliance recommends products with this logo. Meeting the technical and workflow requirements of Netflix, we're committed to providing the highest level of innovation, support, and customer service!

HIGH DYNAMIC RANGE

Fully supports HDR grading, along with ACES workflows and Dolby Vision mastering. Our color conversion tools allow for standard and custom gamma and gamut conversions, while our soft clip has HDR threshold support and can be added anywhere in the color layer stack.

LAYER ROUTER

Advanced layer routing functionality combined with isolation tools for every layer. RGB, alpha and luma mattes, shapes, keys, difference mattes. Transfer functions and transparency between every layer. Route any layer.

PAINT & DIFFERENCE MATTE

On every layer easily restore the source material or retouch, generate difference mattes for advanced regrain.

VIDEO MONITORING

AJA Kona 4, 5 or Decklink range. Resolutions up to 4K/UHD and high frame rates.

AMAZING SUPPORT & TRAINING

Best in-class support for time-critical environments.
Monthly or yearly support packages and bespoke training services.

SALES@FILMWORKZ.COM