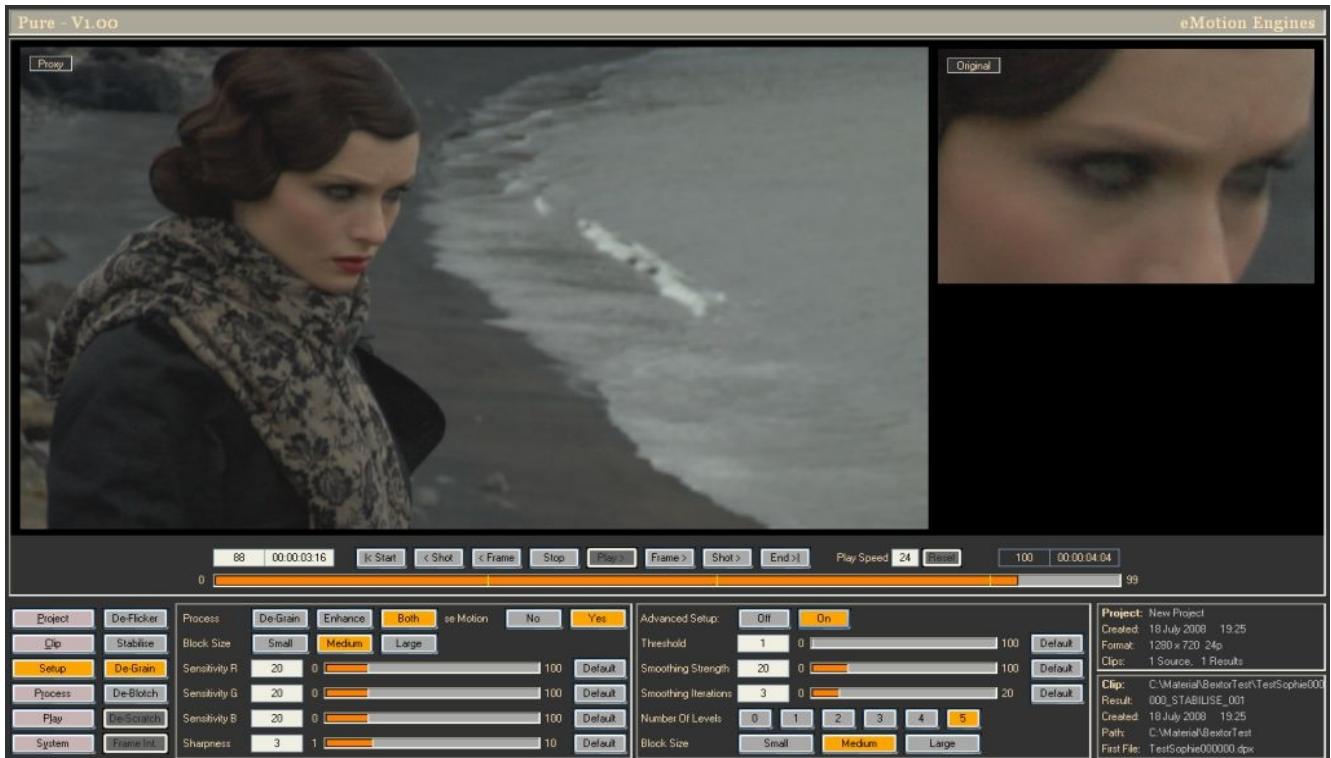




Introducing Pure from eMotion Engines – A software-based tool for image restoration and enhancement



Images acquired for high quality production quite often have undesired characteristics such as noise, grain, flicker and stability issues.

Archival material is often required to be integrated into recently acquired and high quality footage. As HDTV proliferates, there is a requirement to re purpose old archived material. Computer generated images are frequently being composited onto live footage, and the computer images need similar grain characteristics to blend properly. Pure is designed to provide a number of processing modules to allow the highest quality of image enhancement and restoration capability.

An empowering element in the eSuite toolbox, Pure is a high-quality restoration engine that uses motion compensated technology applied to resolution independent (4K/2K/HD/SD) DPX files to deliver a comprehensive range of restoration options. These include noise reduction, de-flicker, stabilize, de-blotch and scratch concealment. Pure excels in the traditional post production and volume restoration environments, such as National Film Archives, providing a highly automated, cost-effective restoration product.

To provide operator feedback, Pure includes a variety of methods to compare the original clip with the enhanced material, such as controllable wipes between the two clips. This creates an interactive methodology with the effect of changes being quickly visible.

## Key features of Pure include

- Noise Reduction and sharpening
- Image stabilisation
- De flicker
- Utilises Academy Award winning advanced motion estimation technology
- DPX file based processing
- Resolution independent SD/HD/2k/4k
- Auto shot detection
- Shot-by-shot programmable or automated long form processing

## Restoration

There are millions of tapes sitting in libraries across the world with content that ranges from highly valuable old movies to 1980s sitcoms. Historically, the huge cost of restoration has so far prohibited much of this content from being brought back to life.



By using Pure, much enhancement of the original material can be carried out in an automated environment. However there are many forms of degradation of an image, for example motion blurring, or noise, so Pure provides a variety of tools which can be applied depending on the type of enhancement that is required.



Each tool has default settings, calculated by the software, which will normally provide high quality results. However Pure, as with all eSuite products, lets you alter the controls to optimise the results in specific scenes.