

# Restoration

## RESTORATION SUITE – ultimate restoration tools

optional

96 kHz

This suite sets a new benchmark for what is possible in audio restoration. The latest technology was used to create truly versatile tools that make the “sound of silence” far more attainable than you’ve ever imagined.

**DeNoise** removes broadband noise, from tape hiss to static environmental noise. DeNoise is fingerprint-based and offers manual adjustment for very precise and predictable processing results.

*DeNoise is included with PowerCore FireWire and PCI mkII.*



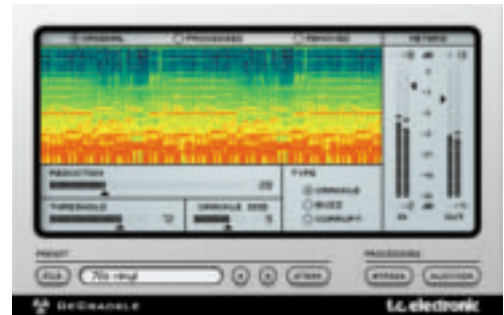
**DeScratch** employs unique patented technology that eliminates clicks, scratches and even long disturbing drop outs. DeScratch is perfect for removing extreme impulsive-type errors in digital signals or scratched vinyl recordings. At last it’s possible to eliminate extremely large scratches without audible artifacts.



**DeClick** repairs crackle and clicks with an extremely easy and fast user interface. The Audition feature allows monitoring of the removed signal parts for optimal results. In combination with DeScratch, small and large artifacts can be reduced dramatically in just one pass.



**DeCrackle** removes artifacts ranging from 1 to 20 samples long. Crackles typically manifest themselves as constant surface noise, similar to what you would hear in the background of a record. DeCrackle has an audition feature, which can be used to playback only the noise that has been removed from the signal.



**DeThump** – DeThump is designed to eliminate low frequency pulses. Combined with the other Restoration Suite plugs, the handling of impulsive type degradation errors is also greatly enhanced. The DeThump algorithm targets, finds and derives waveform estimates of the thump and then eliminates it by subtraction. Multiple estimates are averaged and combined using simple cross-fades. With DeThump it is now possible to deal with strong impulsive errors of up to 12000 samples at 44.1 kHz sampling rate in length, without audible artifacts.



*Note: Restoration Suite runs partly on host CPU.*