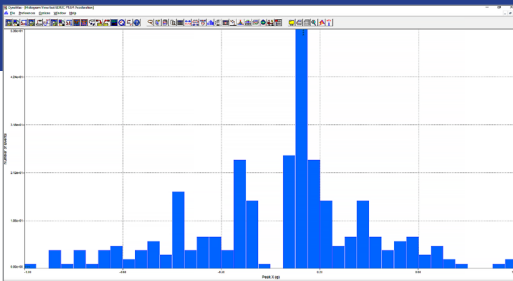


# DYNAMAX™ SUITE

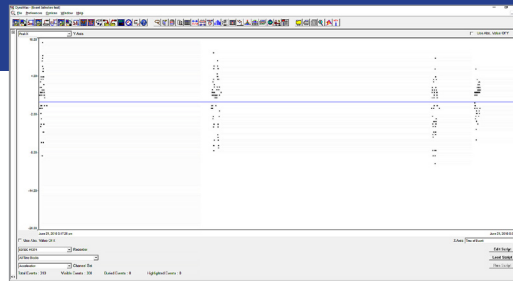
For current Windows OSs Environmental Data Recorder Software

- Full Windows Software support for your EDRs/MSRs/SSPs
- Powerful data manipulation, sorting, editing functions
- Analysis for shock, vibration, impact, angular rates, temperature, humidity, pressure and other variables
- Easy, step-by-step recorder setup “wizards”
- Tabular and graphical displays & data manipulation
- FFT/DFT modules for power spectral density analysis
- Full digital filtering capabilities
- Advanced scripting capabilities for customization

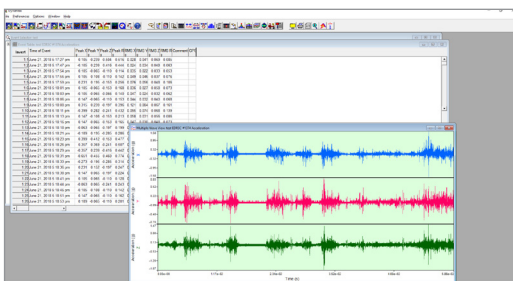
**DYNAMAX™  
SUITE FOR  
WINDOWS  
IST RECORDER  
SOFTWARE**



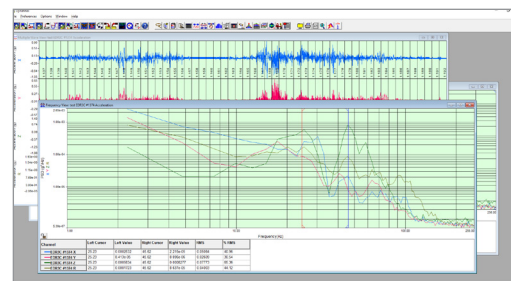
Statistical Analyses



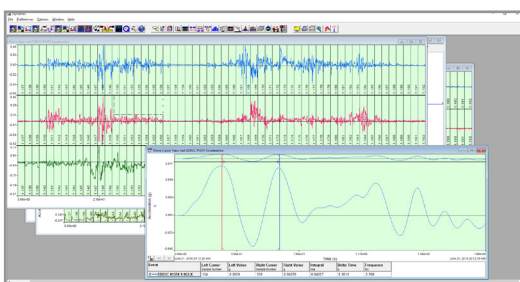
Timeline Plots



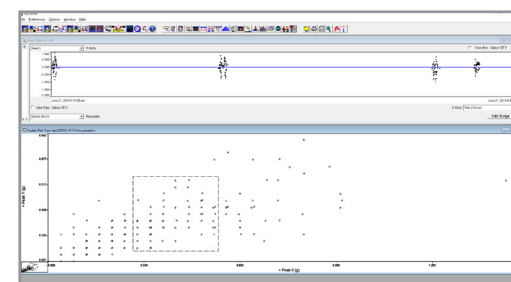
Tabular and graphical data views



Frequency domain - PSD views on selection



Full featured data editing and digital filtering



Scatter Plot Views and Event Selection

*DynaMax™ Suite is a powerful tool to support your field data collection with our instruments. This software offers numerous advanced analysis tools that couldn't be simpler and quicker to use. Data exporting functions are available however if you prefer to carry out analysis in another software environment.*

*The Base DynaMax™ Suite comes with many standard time domain analysis features and includes all instrument communications and file update capabilities.*

# DYNAMAX™ SUITE

For current Windows OSs Environmental Data Recorder Software

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## Overview

IST's DynaMax™ Suite for Windows offers EDR/MSR/SSP users a powerful recorder setup and analysis environment which takes full advantage of the Windows applications environment. DynaMax™ Suite offers users a number of powerful analysis and data sorting techniques and data views. Whether your application is transportation measurement, flight vibration recording, crash testing, accident reconstruction or package shipment monitoring DynaMax™ Suite will make your data reduction, printing and reporting more efficient, easier to do, and more results oriented.

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## Specifications

### DMW-BASE

**Full featured base Windows package** supporting EDR, MSR and SSP COM, setup, data download, acceleration domain data download, time domain processing, graphical and tabular data display, analysis and manipulation, printing and exporting. Quick start setup/COM menus for shock, vibration, mixed mode, drop height and tape recorder.

**Graph Views:** Full wave forms, X,Y,Z,R, single or multiple events, full cursor views and manipulation.

**Selector Views:** Scatter plot views with user specified axis designations.

**Tabular Views:** Date, time, X,Y,Z,R: peak, max, min, means, rms, crest factor, velocity change.

**Digital Filtering:** Low pass, high pass, band pass. Types: butterworth, chebyshev, chebyshevII, elliptical, bessel, magnitude and phase responses. Linear Trend Removal.

**Scripting/Virtual Recorder:** Enables an advanced user to generate his own, customized data reduction algorithm within the DynaMax™ Suite program environment. Utilizes a subset of the C-programming language.

### DMW-int

Data integrator module for calculating/ displaying first and second integrals, to compute velocity and displacement waveforms from acceleration data or other data types.

### DMW-deriv

Data differentiation module for calculating/displaying first derivative of acceleration waveforms or other data types. Referred to as “jerk” waveform in crash data analysis.

### DMW-psd

FFT/DFT-based functions for power spectral density profile calculation, display and data manipulation. Recommended for random vibration data analysis and laboratory simulation.

### DMW-srs

Shock Response Spectrum calculation, display and manipulation.

### DMW-trans

Transmissibility calculations between different recorded channel sets.

### DMW-ppo

Package Profiler. Enables modeling of three-dimensional e-factor of a package for use in optimized equivalent drop height calculation during shipment testing.

### DMW-drop

Package drop height computation from recorded free fall and impact data measurement. Includes package animator function.