

DSX Shakers Now Capable of Pre & Post Shock Pulse Control

Many different types of shock pulses can be replicated on the electrodynamic vibration test system. Thermotron DSX shakers can perform a wide variety of shock pulse shapes with various duration, displacement and acceleration levels.

Moderate to high g shock pulse testing is well within the specifications of Thermotron's line of DSX shaker systems. These machines are capable of reliably producing a wide range of shock pulses with a high degree of consistency and repeatability. Another nice feature of using an electrodynamic shaker is its ability to perform more shock tests in a reduced amount of time compared with drop testers.

Pre-pulse and post-pulse components of the shock signature are selectable as a percentage of the demand peak acceleration value. These values are treated independently, and need not be symmetrical. In this fashion, the shock control software can perform a wider range of shock specifications. Control of pre and post pulse shock components also provides more efficient utilization of the available stroke and velocity characteristics of the shaker.

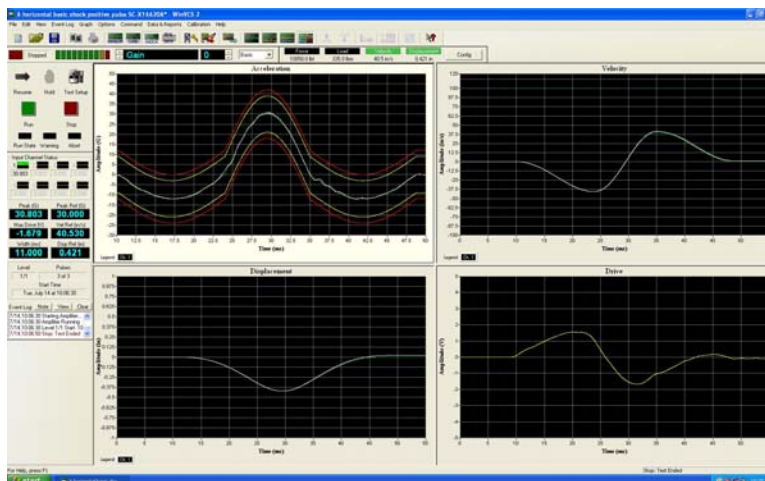


Figure 1: Example of a shock test with 40% pre & post pulse

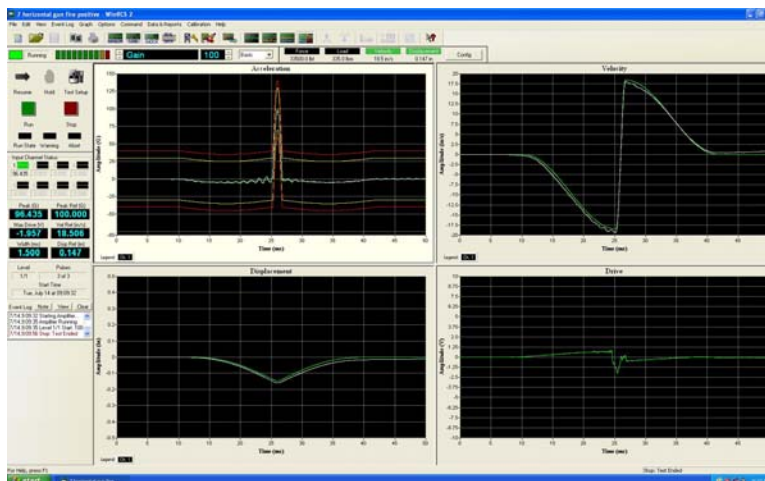


Figure 2: Example of shock test requiring 5% pre & post pulse

Thermotron is your single source provider for all required turnkey vibration test system components including the amplifier and the vibration control system as well as slip tables, head expanders, and fixtures. For more information about the VCS-3200 Vibration Control System or the DSX Series of electrodynamic shakers visit <http://www.thermotron.com/vibration>.

About Thermotron

For over 30 years, Thermotron has been developing and refining vibration test systems that set industry standards. We manufacture the power amplifier, vibration controller, and sliptable & fixtures for a turnkey vibration test system and offer the most versatile performers in the vibration equipment industry. High quality, high reliability products and a direct, dedicated service and support network define our work.

