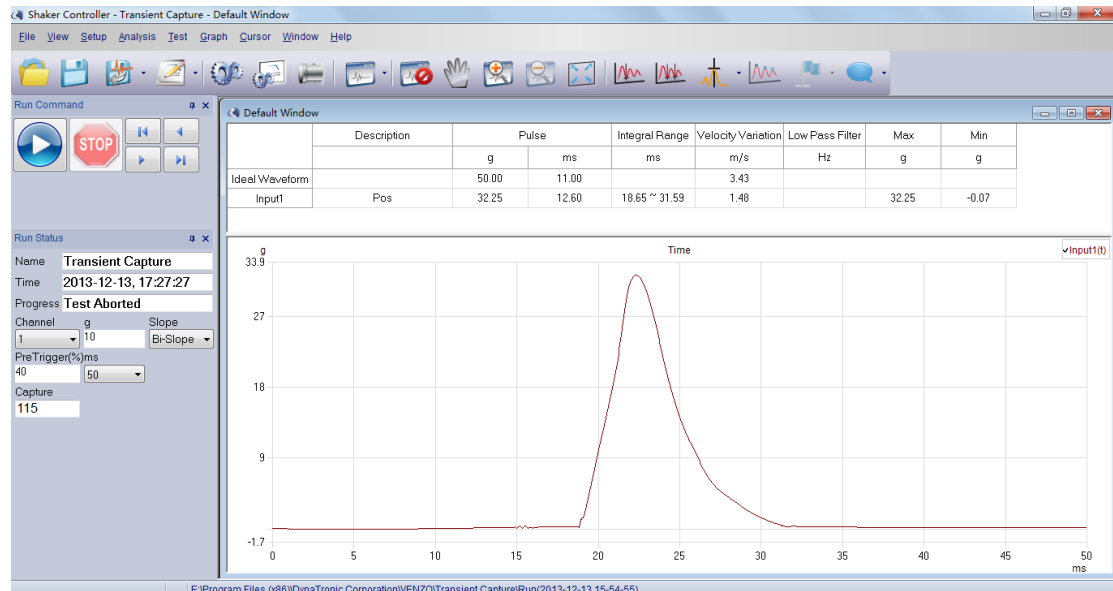


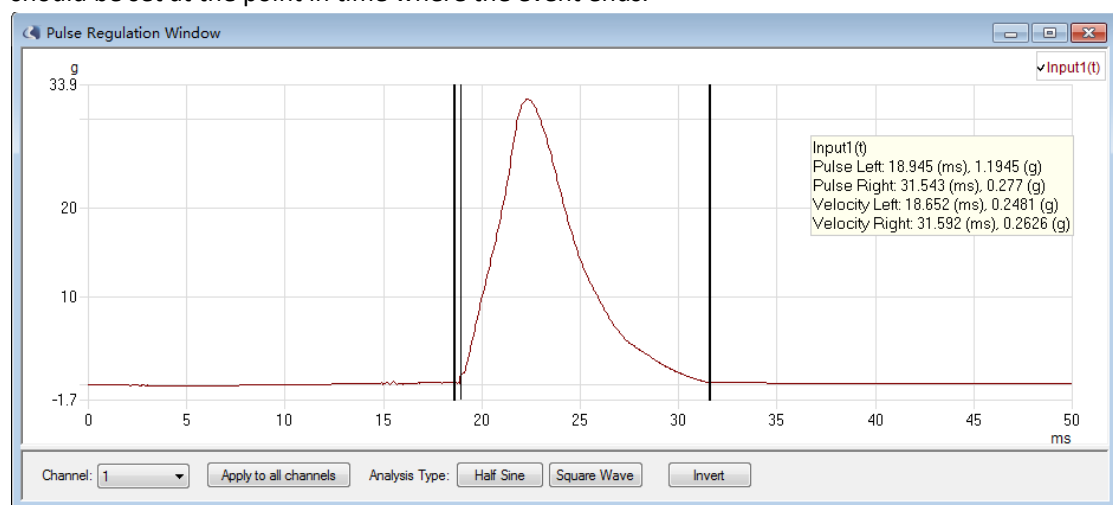
Force / Deflection

In packaging test, it is very important to do Force / Deflection test, the bad packing deflection may cause damage of the products. VENZO 800 series vibration controller provides Force / Deflection function, which scales the recorded acceleration to Force and computes & analysis the position change (deflection) relative to the accelerometer mounting. The graph is displayed as a Force vs. Deflection, which contains position going data.



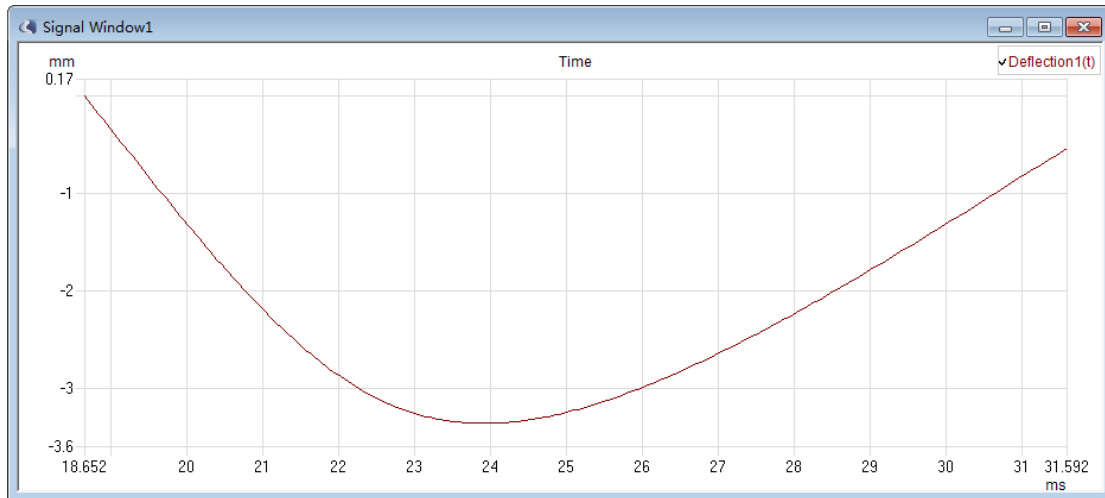
Default Window

To determine deflection, the acceleration vs. time data is integrated to determine the velocity vs. time relationship. It is very important to be sure that these limits have been properly set to ensure that a meaningful analysis can be performed. The left integration limit should be set at the point in time where the event begins (i.e. the impact occurs). The right integration limit should be set at the point in time where the event ends.

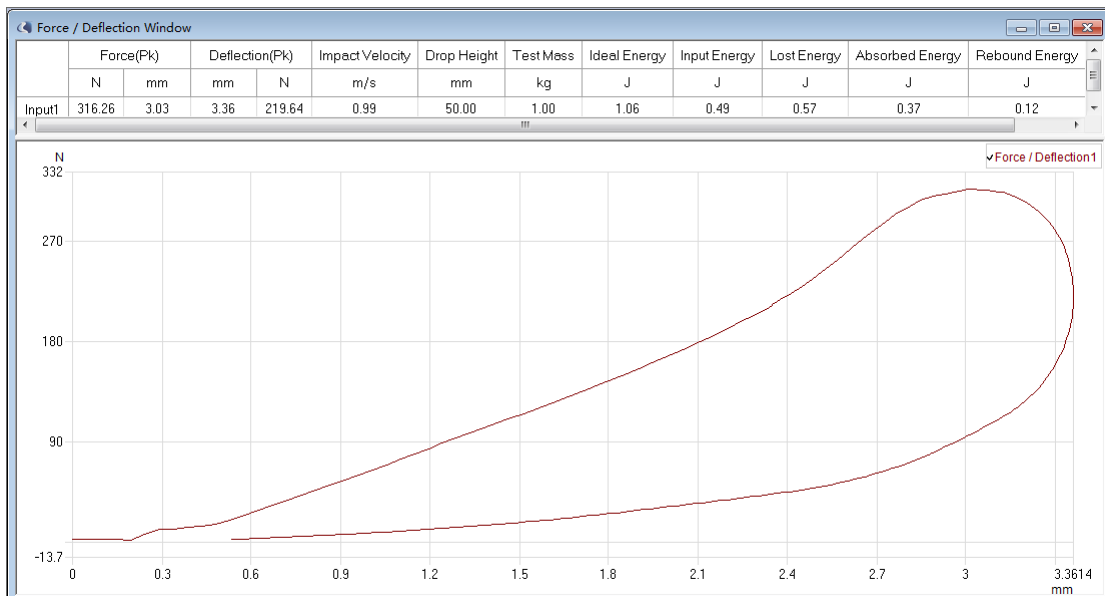


Pulse Regulation

Besides, several energies will be calculated to describe how the event took place, including Ideal Energy, Input Energy, Lost Energy, Absorbed Energy & Rebound Energy, each meaning please check the manual.



Deflection Window



Force / Deflection Window

SR Visualizer

VENZO 800 series vibration controller's Transient Capture function provides SR Visualizer, which including 2D, 3D & 3D replay options, a series of Shock Response computation are performed and displayed in sequence, this is an educational tool for understanding how the SRS is developed and exactly what it means. It is highly recommended that the animate option be used whenever possible, because it allows the user to develop an intuitive feel for how the SRS should be applied.

To watch the video, please click <http://www.dtc-solutions.com/app.asp>