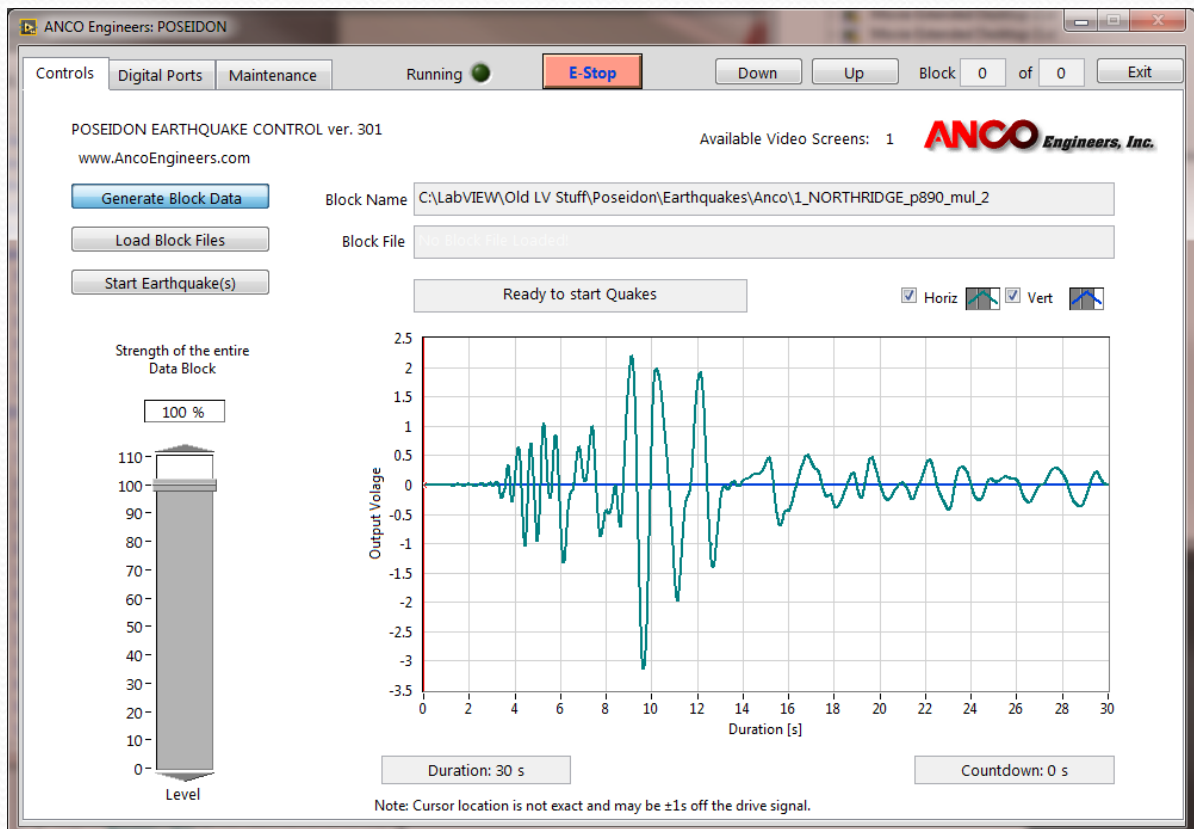


## Poseidon: Controller for Public Education Shake Tables

ANCO public education seismic shake tables are designed to allow one to forty people to step on the shake table platform and experience pre-recorded earthquakes. Combined with video/audio and other visual enhancements, these earthquake rides are intended to produce as realistic an experience as possible. These public education tables are controlled using ANCO's Poseidon PC based control system.

### Features

- 1 to 3 axis of motion (1-3 DOF)
- Provided library of pre-recorded earthquake movies, sounds, and educational slides
- Library of different historical or artificial earthquake files that can be synced in length to the provided multimedia library files
- Import of custom earthquake files and digital video files
- Digital outputs that can be triggered at custom time intervals used to activate peripheral equipment for enhanced visual effects such as flashes, smoke, sounds, etc.
- Up to four simultaneous video outputs that can be used to project the pre-recorded multimedia movies on a screen or integrated flat panel TV in room settings to provide the feeling of a 3D surround effect.
- Block cycle feature to play different earthquakes back to back
- Custom loading/unloading features that allows the earthquake platform to move to a boarding position at the beginning and end of the ride to load/unload passengers



## Typical Earthquake Library

### Historical Earthquakes:

- Chamoli, India
- Chi-Chi, Taiwan
- El Centro, USA
- Izmit, Turkey
- Sendai, Japan
- Kobe, Japan
- Liima, Peru
- Northridge, USA
- Manjil, Iran
- San Fernando, USA

### Artificial Earthquakes:

- USGS San Francisco 1906 simulation
- Soft soil and hard rock ground motion
- Ground floor, 3<sup>rd</sup> Floor, and 10<sup>th</sup> floor building magnitude 7 earthquake
- Magnitude 7 at top of 3, 10, and 30 story building
- Magnitude 5, 6, and 7 earthquake
- Epicentral, 50km, and 100 km magnitude 7 earthquake
- Isolated S, P, Love, and Raleigh waves
- Building motion with and without base isolation system

