



The GHI ESSM Product Drop Machine

Designed to drop your product from a controlled height - onto a specific surface – while controlling the impact orientation!
An impossible task for standard shock machines.

Determine your products' fragility by a valid simulation that duplicates your product's handling environment.

Instrument your product to measure actual shock severity experienced.

Design allows easy access for high speed video.

Base 14"D x 16"W
 Seismic mass 120 lbs plus anvil
 Shafts SS 1.00" on 8" centers
 Bearings Recirculating Ball
 Impact Anvil Size. . .8"W x 6"D
 Max Drop Ht 72"
 Max Impact Vel . . . 235.8 "/sec
 Max UUT Wt 5 lb
 Max UUT Size 6" Between Gripping faces*
 Min UUT Size 0"
 Overall Height 75" Standard, other heights optional

* UUT may be gripped in various orientations.



ESSM ready for a 42" drop of a cell phone onto a steel impact anvil.

See reverse side for options and typical shock waveform.



Options – Related Products

- 4 channel GHI WinCAT instrumentation system for Shock data capture. Available with SRS software.
- GHI Optical Velocimeter for impact velocity verification. Stand alone or built-into software. (Pictured)
- Replacement grippers with pads, 3", 1.5" and 1" diameters.
- Impact anvils produced from user specified materials.
- Electrical safety release switch.
- Replacement brake bumper pads.
- Special accelerometers.
- Special length shafts.

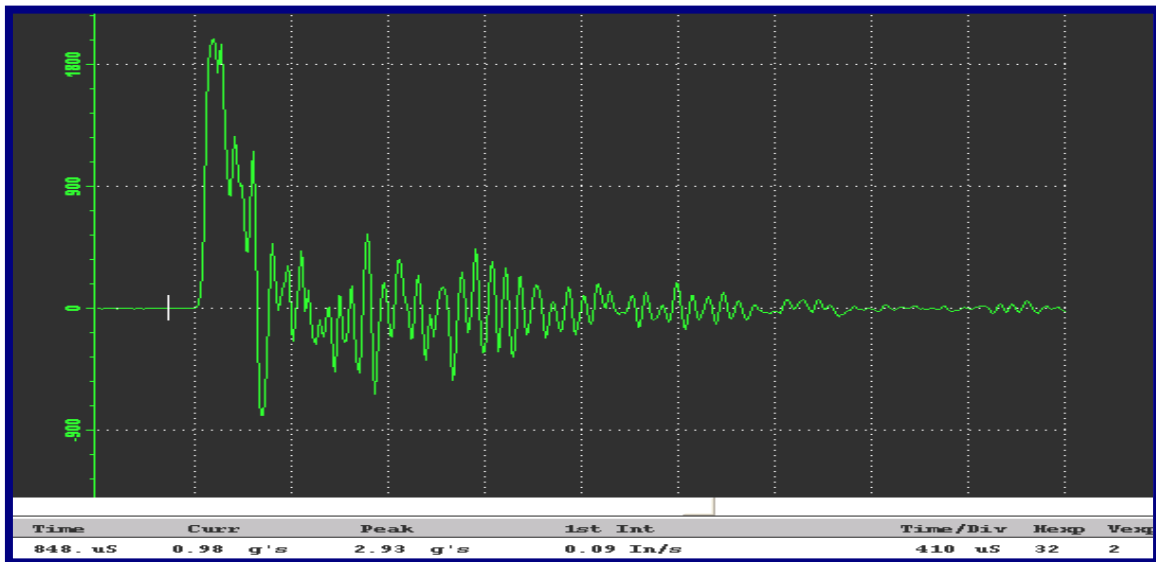


GHI Optical Velocimeter Option



Electrical Safety Release
Foot Switch

Typical Shock Waveform From GHI WinCAT



2 Kg Shock waveform from 2.5" format hard disk drive, 10 inch drop on corner.