



# 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.

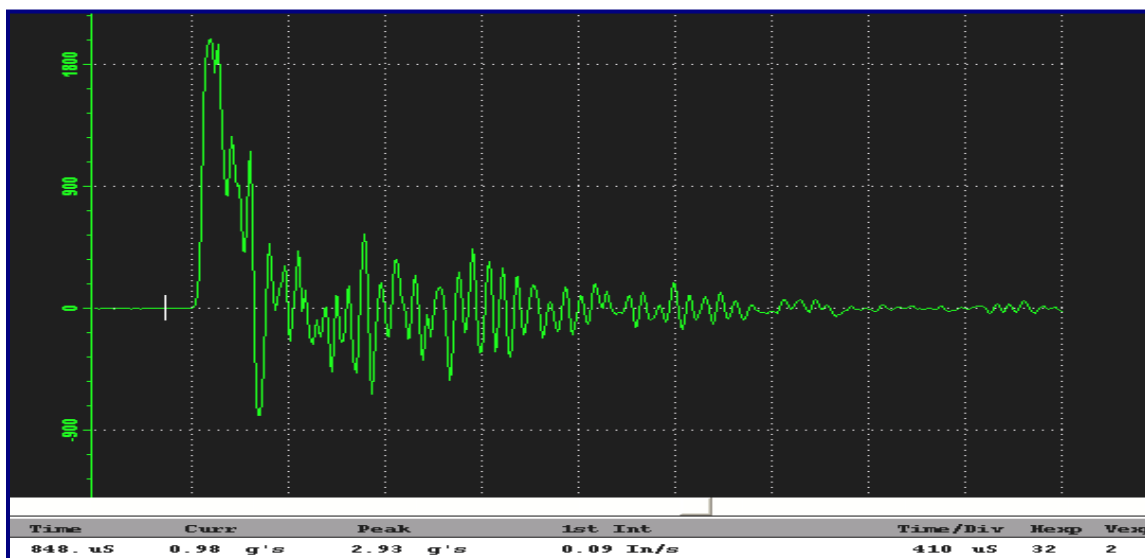


GHI Optical Velocimeter Option



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.