

Key Benefits of our ELSTAR Shock Test Machines

1. STM - Shock Test Machine

- Fast and repetitive Shocks (up to ~60 shocks/min)
- Simultaneous tests of 3 axis with the STM5
- Resonant free testing
- Free standing machine. Seismic mass build in
- Compact construction
- Simple and robust machine, which means also very simple in servicing. Very low running costs
- Later moving of the machine is very easy. No separate seismic mass required, just stable basement floor needed
- Only compressed air required
- No Oil required
- No Nitrogen required
- Free accessible mounting space up to 600x800mm for DUT, when machine is in a safety guarded zone. (optional Safety Guard available, this however limits the free accessible space)
- Made in Switzerland
- CE conform with Safety Guard



2. Software / Control- and Measurement System

- Fast and precise 1MHz Data Acquisition
- Simultaneous 4 Channel Data Acquisition
- Time Function, FFT and Trend Data on Peak, Duration, Velocity
- Simple build in Oscilloscope
- Peak Control with Close Loop Function.
- Tolerance Window Monitoring. User defined Tolerance Window.
 - Automatic Tolerance Zone Positioning
 - Stops/Pauses the test after a defined number of shocks out of tolerance.
 - ELSTAR provides pads only for half sine waves.
 - Saw-Tooth possible, if pads available.
- Optional Remote Control, Start/Stop and different Signals
- User Access Control
- Data Storage / Replay Data on Pulse Graph, all Trend's and FFT's
- Data Export Function (installed Excel needed)
- Possible to define a profile sequence of amplitudes (g) in test (same pads, same duration)
- Comprehensive cursor read-outs
- Ready to use pC/g or mV/g Accelerometer