

FOR THE NEXT GENERATION OF AUTOMOBILES

SHOCK TEST APPLICATIONS FOR BATTERY TESTING



NEW DEVELOPED ACCELERATION AND DECELERATION DUAL SHOCK TESTER

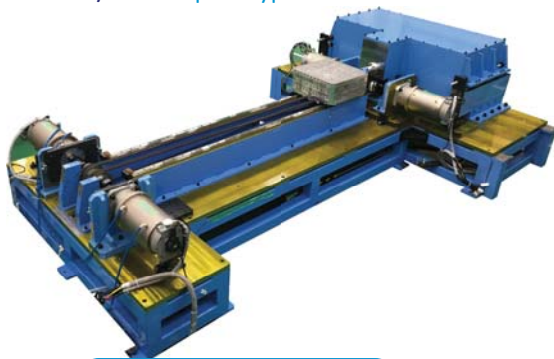
The system utilizes the same proprietary servomotor technology we use in our servomotor-based vibration test systems. The characteristics are extremely low inertia while maintaining high torque capabilities. By utilizing this technology to its fullest extent, we were able to build a machine allowing highly accurate reproduction of various kinds of wave patterns in addition to high test repeatability. It supports sled- as well as conventional deceleration-type shock testing through the use of a plastic programmer. This combination of functionality usually provided by two separate machines makes our system extremely versatile and space efficient.

Reproducing Real Environment

Time Efficiency Quick Start

Variety of shock wave pattern

▶ HST150/60 Impact Type



Acceleration Shock

Acceleration Shock

Impact Acceleration: 1G – 50G

Shock pulse duration: 5ms – 100ms

- High precision wave form reproduction and repeatability.
- Covers a wide range of shock accelerations.
- Thanks to our low inertia motor a precise simulation of various waveforms become possible in very short distance.

Deceleration Shock

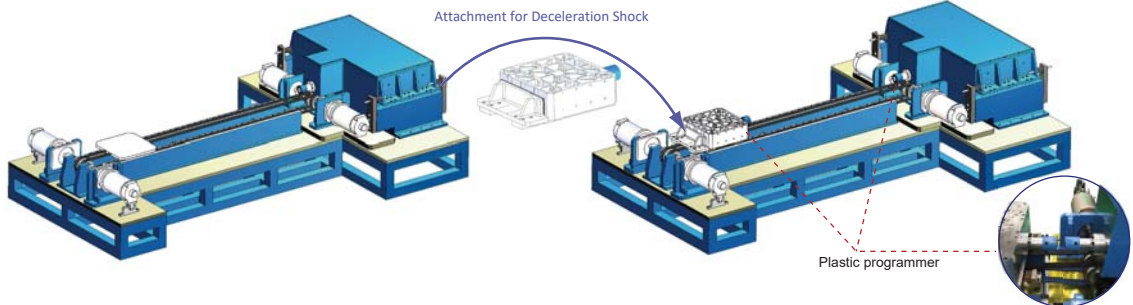
Impact Acceleration: – 150G

Shock pulse duration: – 11ms

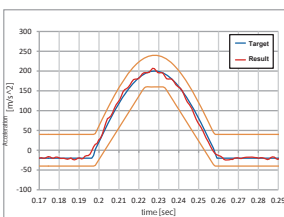
- Supports high speed testing through the use of the programmer.



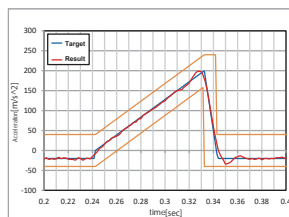
Deceleration Shock



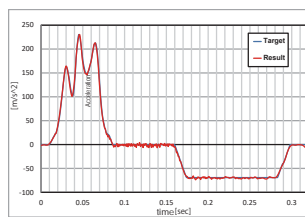
ACCURATE REPRODUCTION OF VARIOUS SHOCK PATTERNS



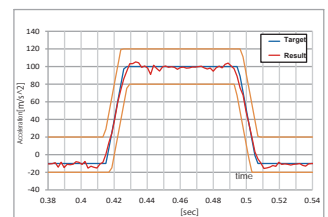
Half sine wave



Sawtooth wave



Real-time History wave



Trapezoidal wave



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