



SHOCK TEST SYSTEM

Products are inevitably affected by the impact, bump, free fall, tumbling, etc. during production, transportation, loading and unloading as well as during the use of the products. All of these are transient excitation on the object, causing the object to produce mechanical characteristics of high speed, acceleration, strain rate, etc instantly.

These kind of characteristics are completely different from that in static load, and may cause problems to the object in terms of structural strength and stability and sometimes the object may fail. Therefore, it is necessary to study the effect of impact and reproduce the shock environment, to assess the structural strength and performance of the object under the shock environment.

APPLICATIONS

Shock test is used to accurately measure the product fragility and evaluate the protective ability of product packaging. To do a boundary assessment on complete product breakage, industrial standard shock pulse or company's internal standards, we can provide the most advanced shock test system to meet your application requirements.

Suitable shock tests for aviation, aerospace, marine, military, consumer electronics, automobiles, home appliances and display devices.

By selecting different waveform generators, it can perform half sinusoidal wave, sawtooth wave, or trapezoidal wave.

Main applications: mobile phones, computer components, optical components, connectors, etc., also used to test the shock absorbance ability of materials.

FEATURES

- Convenient touch screen operation.
- Complete safety protection system.

- Utilize pneumatically/hydraulically combined booster and braking system to prevent multiple impacts
- With air spring shock absorber and hydraulic shock damping mechanism, there will be no impact on the surrounding and no foundation required.

TECHNICAL SPECIFICATIONS

MODEL	TTSTS10	TTSTS30
Table Size(mm)	200×250	300×300
Max. Payload(Kg)	10	25
Shock Pulse	Half Sine Wave	Half Sine Wave
Acceleration Range(G)	20-2000	20-10,000 With DMSA: 35,000G
Pulse Duration(ms)	0.5□ 18	0.1□ 30
Max. Drop Height(mm)	1500	
Machine Dimension(mm)	660×700×2380	1300×1220×3380
Power Supply	AC220V 50Hz 5A, Compressed Air: more than 0.5Mpa	
Machine Weight(kg)	820	2200



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