



BUMP TEST MACHINE

Components and other electronic and electrical products may experience repeating impact during transportation or use. Bump test can be used as a method to ensure the satisfaction of design structure or as a quality assurance method. The specimen will experience regular peak acceleration and continuous impact with a standard pulse during the bump test.

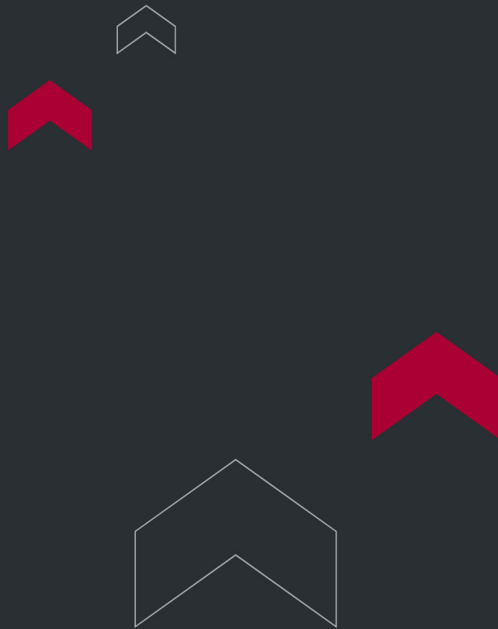
APPLICATIONS

- **Electronic Components** – Evaluates structural reliability of circuit boards, connectors, and devices under repeated impacts.
- **Electrical Products** – Tests durability of consumer and industrial electrical equipment during handling and use.
- **Automotive Parts** – Confirms resistance of vehicle electronics and small assemblies to continuous bump shocks.
- **Aerospace and Defense Equipment** – Simulates repeated acceleration impacts to ensure long-term reliability in critical applications.
- **Packaging and Transport Validation** – Reproduces drop and bump conditions to verify product integrity during shipment.
- **Quality Assurance and Certification** – Provides standardized half-sine pulse bump testing for product design validation and compliance.

TECHNICAL SPECIFICATIONS

Model	TTSKM500	TTSKM800	TTSKM1000	TTSKM1500	
Table size(mm)	500x700	800x800	1000x1000	1500x1500	
Max. Payload(kg)	50	200	500	1000	
Wave form	Half sine pulse				
Acceleration range(G)	5--120	5--100	5--80	5--60	

Pulse duration(ms)	6--18				
Bump repetition frequency	1---120		1--80		
Drop height range	5--120		5--180		
Maximum acceleration variation	2.2m/s	2.6m/s	2.8m/s		
Machine dimension(mm)	750x660x800	900x960x800	1200x1150x860	1600x1650x1200	
Machine weight(kg)	1000	2160	3660	6500	
Power & Air supply	AC220V±10% 50Hz Air supply (6kg/cm2)				



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