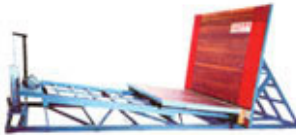




SHOCK TESTERS

DYNAMIC SOLUTIONS offers a variety of shock testers for ASTM and ISTA package testing and product fragility testing including:

INCLINE TESTERS	Used to simulate the handling of crates, palletized loads and rail car carriers for ASTM D880 testing. Product mounts to a wheeled carriage, guided by steel rails inclined at 10° slope.
PACKAGE DROP TESTERS	Used to test a package's ability to withstand impacts from various heights and precise angles.
FREE FALL SHOCK TESTERS	Used to produce classical shock wave shapes. Product mounts to a dropping table supported on its side by Rods and Bearings.
BUMP SHOCK TESTERS	Used to produce various shock pulses and waveforms in the vertical direction by forcing the carriage on which the product mounts to impact on the shock machine base



DYNAMIC SOLUTIONS Incline Testers are available in three standard models. All models meet ISO224-1972(E).

Shaker Model	DS-I440	DS-I660	DS-I1100
INCLINE TESTERS			
Mounting Area	1000 x 1000 mm	1800 x 1800 mm	1800 x 1800 mm
Maximum Payload	440 lbs.	660 lbs.	1100 lbs.
Shock Velocity (≤5%)	0.59-2.35 m/s	0.59-2.35 m/s	0-80 m/s
Maximum Slip Length	6.5 feet	6.5 feet	5 feet
Size of Machine L x W x H mm	8740 x 1500 x 1730	6500 x 2130 x 2670	8000 x 1600 x 2100

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DYNAMIC SOLUTIONS Package Drop Tester is available in three standard drop height configurations:

Shaker Model	DS-PD65	DS-PD5	DS-PD4
PACKAGE DROP TESTERS			
Drop Height Range	1 – 6.5 feet	1-5 feet	0-4 feet
Max. Payload	220 lbs.		440 lbs.
Max. Package Size L x W x H	1000 x 800 x 1000 mm 39.3 x 31.5 x 39.3 in.		1200 x 1200 x 1200 mm 47.2 x 47.2 x 47.2 in.
Table Size L x W x H	1700 x 1200 x 20 mm 66.9 x 47.2 x .78 in.		1400 x 200 x 60 mm 55.1 x 78.7 x 2.3 in.
Size of Machine L x W x H mm	1700 x 1200 x 2817 mm 66.9 x 47.2 x 111.3 in.	1700 x 1200 x 2512 mm 66.9 x 47.2 x 98.9 in.	1400 x 2000 x 1800 mm 55.1 x 78.7 x 70.9 in.
Speciman Attitude	Cornerwise, Edgewise and Flat		

DYNAMIC SOLUTIONS offers a heavy duty and light weight version of our Free-fall drop shock tester.

Shaker Model	DS-LWFF	DS-HWFF
FREE FALL SHOCK MACHINES		
Size of the Table	116 x 100 mm	480 x 500 mm
Maximum Payload	4.4 lbs.	440 lbs.
Acceleration Level	20 - 122 g	16 - 612 g
Wave Form	Half-Sine	Half-Sine; Sawtooth
Pulse Duration	0.5 - 11 ms	1 - 30 ms
Size of Machine L x W x H mm	700 x 400 x 2120	1280 x 950 x 2800



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DYNAMIC SOLUTIONS offers Bump Shock Testers in five standard sizes.

Shaker Model	DS-PS110	DS-PS220	DS-PS440	DS-PS1100	DS-PS2200
BUMP SHOCK MACHINES					
Size of the Table L X W	500 x 700 mm 19.7 x 27.6 in.		800 x 600mm 31.5 x 23.6 in.		1000 x 1000mm 39.4 x 39.4 in.
Maximum Payload	110 lbs.	220 lbs.	440 lbs.	1100 lbs.	2200 lbs.
Displacement	60-100 mm 2.3 to 3.9 in.				
Bump Frequency (times per minute)	0 – 80				
Peak Acceleration	5 - 200 g	5 – 50 g	5 - 50 g	5 - 50 g	5 - 50 g
Pulse Duration	50 – 2 ms	50 – 2 ms	50 – 2 ms	50 – 2 ms	50 – 2 ms
Cross-axis Ratio	≤30%	≤30%	≤30%	≤30%	≤30%
Acceleration Uniformity	≤20%	≤20%	≤20%	≤20%	≤20%
Size of Shaker L x W x H mm	1000 x 1300 x 1900	1000 x 1400 x 2200	1000 x 1400 x 2200	1000 x 1300 x 1900	1000 x 1400 x 2200
Weight of Shaker	2160 lbs.	2160 lbs.	2755 lbs.	6173 lbs.	7716 lbs.
Continuous Operation	8 Hours	8 Hours	8 Hours	8 Hours	8 Hours

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