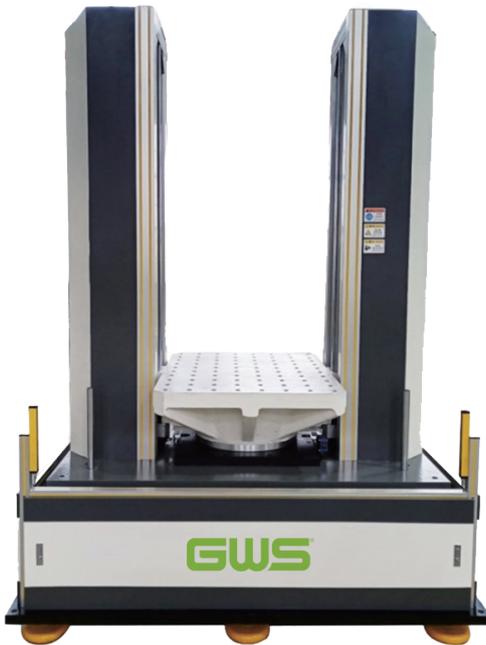


GWS11Pneumatic Vertical Shock Test System

GWS11 series pneumatic vertical shock test system is suitable for evaluating the functional reliability and structural integrity of various products under shock or bump environments, thereby improving or optimizing the structural design or layout of the products. The system meets the requirements of both shock and bump test, can perform conventional half-sine wave, post-peak sawtooth wave, trapezoid wave and other waveform shock tests.



Features

- Pneumatic drive, simple structure and high
- Pollution free, without hydraulic leak risk and keep the environment clean.
- Pneumatic drive greatly improves the shock test efficiency, maximum shock rate up to 120 times/ min.
- It can easily realize large pulse width and small overload test.
- With a fast shock rate comparing to motor or hydraulic driven table, it has higher reliability and better bump waveform.
- The speed and rate of shock can be easily controlled by adjusting the gas pressure.
- IPS-2000 shock control and measurement system can perform manual shock, continuous shock, single shock, and interval shock.
- Built-in brake mechanism ensures the safety of operation in any situation.

Model		GWS	GWS	GWS	GWS	GWS	GWS	GWS	GWS	GWS	GWS	GWS
Parameters		11-5	11-15	11-25	11-50	11-100	11-200	11-400	11-600	11-800	11-1000	11-2000
Rated Load (kg)		5	15	25	50	100	200	400	600	800	1000	2000
Table Size (mm)		150×150	200×200	300×300	500×500	600×600	800×600	800×800	1000×800	1000×1000	1200×1200	1500×1200
Peak Acc. (g)	Half-Sine	5~2.5k	5~2k	5~1500	10~750	10~600	10~450	10~400	10~300	10~300	10~250	10~150
	Post-Peak Sawtooth	10~200					10~100				10~50	
	Trapezoid	\			15~200		15~100		15~60		15~50	
Pulse Duration (ms)	Half-Sine	0.5~40	1~40	0.6~60	1.5~60	2~60	2.5~60	3~60	3.5~60	4~60	4.5~60	6~60
	Post-Peak Sawtooth	3~18						6~18				
	Trapezoid	\			3~18		6~18					
Bump Waveform		Half sine wave										
Bump Peak Acceleration (g)		4~150				5~100						
Bump Pulse Duration (ms)		2~30				3~30						
Overall Dimension (mm)		1000×1000 ×2100	1200×1000 ×2200	1400×1200 ×2300	1600×1400 ×2300	1700×1500 ×2300	1700×1500 ×2300	1900×1500 ×2450	1900×1500 ×2450	2000×1500 ×2450	1900×1800 ×2550	2200×1800 ×2550
Weight (kg)		700	800	1000	1800	2500	2800	3800	4000	4800	5200	6000
Bump Rate (Times/Min)		10~120										
Installation Condition	Environment	Temperature range 0 ~ 40°C; Humidity ≤ 80%, non-condense										
	Power	AC220V±10%, 50Hz										
	Air source	≤0.8MPa										
	Floor	Foundation-free, the cement floor shall be leveled and the working distance of 800 ~ 1000mm shall be reserved around the equipment										
Standards		MIL-STD-810F IEC68-2-27 UN38.3 IEC62281 IEC62133-2 UL2054 IEEE1625 SAEJ2929 IEC62660-2 ISO12405-3 UL2580										

Note: The parameters in the table are for reference only, and the parameters agreed upon by the supplier and the buyer shall prevail.