

Universal Vibration Test System



Introduction

Vibration system is the important test device for product reliability.

TCT Vibration system is widely used in production industry and aerospace industry in China.

Mostly, we produced the vibration system according to the customer's details requirements.

Using Areas

➤ Aerospace industry	➤ IT industry
➤ Auto industry	➤ Household appliance industry
➤ Military fields	➤ Others

The advantages of TCT Universal Vibration Test System

- More vibration modes: Random vibration, Sine vibration, Combination vibration.
- The waveform distortion is smaller, the lead capacity is larger.
- Using more famous components, the performance is better
- 1 year warranty period for machine + 3 years free providing for spare parts

Production Standards

- GJB standards
- IEC standards
- MIL Standards

Common Specifications

Sine Random Thrust	2.0 ~ 75KN
Table Diameter	142 ~ 440mm
Maximum Continuous Speed	2.0 m/s
Maximum Acceleration	785 ~ 1000 m/s ²
Maximum Continuous Displacement	25.4 ~ 51mm
Maximum Loading	50 ~ 1000 Kg
Frequency Range	DC – 2.5 / 5kHz

 Standard Model					
Model	R0020S	R0030S	R0060S	R0100S	R0220S
Push (Kn)	2.0	3.0	6.0	10.0	22.0
Acceleration (m/s ²)	883	785	1000	1000	1000
Speed (m/s)	2.0	2.0	2.0	2.0	2.0
Displacement (mm)	25.4	25.4	51	51	51
Table Facet Diameter (mm)	142	185	185	240	335
Max Loading (kg)	50	100	100	150	300
Moving Coil Mass (kg)	2.2	3.8	6	10	22
Frequency Range (Hz)	DC-5000	DC-5000	DC-4000	DC-3000	DC-3000
Body Weight (kg)	200	360	400	940	1674
 Standard Model					
Model	R0320S	R0500S	R0600S	R0750S	
Push (Kn)	32.0	50.0	60.0	75.0	
Acceleration (m/s ²)	1000	1000	1000	1000	
Speed (m/s)	2.0	2.0	2.0	2.0	
Displacement (mm)	51	51	51	51	
Table Facet Diameter (mm)	440	440	440	440	
Max Loading (kg)	500	1000	1000	1000	
Moving Coil Mass (kg)	32	50	60	75	
Frequency Range (Hz)	DC-2500	DC-2500	DC-2500	DC-2500	
Body Weight (kg)	2019	3050	3050	4971	
If you have the more requirements, please contact us!					