

Technical Specifications

KRD10 Series Hydraulic Vertical Shock Test System



KRD10 series full-automatic hydraulic shock test system is used to measure and determine the impact resistance of products or packaging, and to evaluate the reliability and structural integrity of products in a shock environment. The system can perform conventional half-sine wave, post-peak sawtooth wave, square wave and other waveform shock tests to achieve the shock wave and impact energy that the product is subjected to in the actual environment, thereby improving the product or packaging structure.

- **Windows-based stable control system**, full-automatic remote-control interface
- **Multi-track guide posts** combined with good lubricity and noise free hydraulic balance lifting system to achieve stable shifting
- **Automatic control of lifting height** with high accuracy and good repeatability
- **Adopts the high strength and hardness cast aluminum table**, which has high first-order resonance frequency, featured with low noise and no clutter
- **Built-in brake mechanism** to avoid secondary rebound collisions and more secure positioning of the table
- **Multiple waveforms**: it can perform conventional half-sine waves, post-peak sawtooth waves, or square waves
- **The self-buffer & vibration isolation base** does not require a special foundation, and easy to install
- **One-stop test**: built-in test standards meet various requirements to help users to complete test in one stop

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Model		KRD 10-2	KRD 10-5	KRD 10-25	KRD 10-50	KRD 10-100	KRD 10-200	KRD 10-400	KRD 10-500	KRD 10-600	KRD 10-1000	KRD 10-1500	KRD 10-3000
Parameters		10-2	10-5	10-25	10-50	10-100	10-200	10-400	10-500	10-600	10-1000	10-1500	10-3000
Rated Load (kg)		2	5	25	50	100	200	400	500	600	1000	1500	3000
Table Size (mm)		115×115	200×200	300×300	500×500	600×600	800×600	800×800	1000×800	1000×1000	1200×1000	1500×1200	2000×1500
Peak Acc. (g)	Half-sine	5~3k	5~2k	5~1.5k	10~750	10~600	10~450	10~400	10~300	10~300	10~250	10~150	15~100
	Post-peak Sawtooth	10~200					10~100					10~50	
	Trapezoid	\			15~200		15~100			15~60		15~50	30~50
Pulse Duration (ms)	Half-sine	0.3~40	0.5~40	0.6~60	15~60	2~60	25~60	3~60	35~60	4~60	45~60	6~60	11~40
	Post-peak Sawtooth	3~18					6~18						
	Trapezoid	\			3~18		6~18						
Overall Dimensions		450×180	1000×900	1400×1200	1600×1400	1700×1500	1700×1500	1900×1500	1900×1500	1900×1800	1900×1800	2200×2100	2700×2500~3000

(mm)	2100	2350	2300	2300	2300	2300	2550	2550	2550	2650	2650	
Weight(kg)	200	1000	1800	3000	4000	4200	4800	5000	7000	8000	10000	15000
Power	None	Control measurement: 220VAC±10% 50Hz Oil source: 380VAC±10% 50Hz										
Standards	MIL-STD-810F IEC68-2-27 UN383 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.