

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	KRD	KRD	KRD	KRD	KRD	KRD	KRD	KRD	KRD
Parameters		10 - 2	10 - 5	10 - 25	10 - 50	10 - 100	10 - 200	10 - 400	10 - 600	10 - 1000	10 - 1500
Rated Load (kg)		2	5	25	50	100	200	400	600	1000	1500
Table Size (mm)		115×115	200×200	300×300	500×500	600×600	800×600	1000×800	1000×1000	1200×1000	1500×1200
Peak Acc. (g)	Half-sine	5~3k	20~2K	15~3k	15~600	15~600	15~300		15~200		
	Post-peak Sawtooth	\	10~100	15~100	15~200		15~100	10~50			
	Trapezoid	\			15~100			15~50			
Pulse Duration (ms)	Half-sine	0.2~30	0.3~11	0.3~11	1~30	1~30	1~30	2~30	6~30		
	Post-peak Sawtooth	\	1~18	1~18	3~18	3~18	3~18	6~18			
	Trapezoid	\			6~18						
Overall Dimensions (mm)		450×180×2100	1000×900×2200	1400×1200×2300	1600×1400×2300	1700×1500×2300	1700×1500×2300	1900×1500×2450	2000×1500×2450	1900×1800×2550	2200×1800×2550
Weight (kg)		350	550	1200	3000	3100	3800	4200	5100	7100	8500
Power		None	AC220V	AC380V±10%, 50/60Hz							
Standards		MIL-STD-810F, IEC68-2-27									

