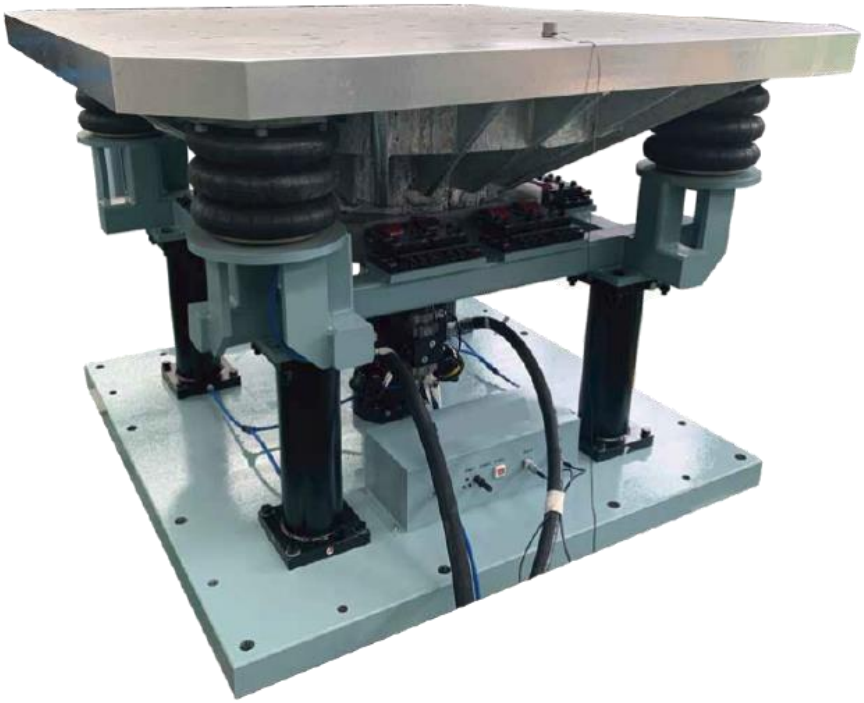
CME
RELIABILITY TESTING SOLUTIONS

Technical Specifications

KRD70 Series Hydraulic Vibration Shaker



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KRD70 series hydraulic vibration shaker converts the energy of high-pressure liquid into the power of the reciprocating motion of the cylinder through the electro-hydraulic servo valve. Especially suitable for vibration tests requiring low frequency and high force. It can realize sine, random, multi-point excitation and shock test (sine, random, sine on random, random on random, or resonant search & dwell). It's applied for reproducing the vibrations of transportation vehicles, bulk packaging products, machinery, electrical and electronic products in the actual environment, thereby optimizing the product structure and saving costs.

- To achieve sine vibration, random vibration, multi-point excitation, and shock and bump;
- It can be used to simulate seismic excitation and ammunition loading with low frequency and high force features.
- The high-strength cast aluminum or cast magnesium table ensures uniform and consistent vibration, high reproducibility, and avoids deformation of the table.

Technical Specifications

Model / Parameters		KRD 70 - 5000	KRD 70 - 1T	KRD 70 - 2T	KRD 70 - 3T	KRD 70 - 4T	KRD 70 - 5T	KRD 70 - 10T	KRD 70 - 20T
Force (KN)		5	10	20	30	40	50	100	200
Frequency Range (Hz)	Sine	0 ~ 200	0 ~ 200	0 ~ 200	0 ~ 150	0 ~ 150	0 ~ 150	0 ~ 150	0 ~ 150
	Random	0 ~ 300	0 ~ 300	0 ~ 300	0 ~ 300	0 ~ 300	0 ~ 300	0 ~ 300	0 ~ 200
Max. Load (kg)		250	500	800	1000	1200	1500	2000	2500
Max. Displacement (P-P) (mm)		100	100	100	100	100	100	100	100
Max. Acceleration (g)		5	5	5	5	5	3	3	2
Table Size (mm)		800×800	1000×1000	1000×1000	1200×1200	1200×1200	1500×1500	1500×1500	1800×1800
Power Supply and Consumption Power (kVA)		AC 380V 18kVA	AC 380V 22kVA	AC 380V 30kVA	AC 380V 40kVA	AC 380V 45kVA	AC 380V 55kVA	AC 380V 90kVA	AC 380V 110kVA
Hydraulic Source	Cooling Method	Air Cooled				Water Cooled			
Working Environment		Temperature 0 ~ 40℃, Humidity ⩽80% (no condense)							
Standards		MIL-STD-810F							