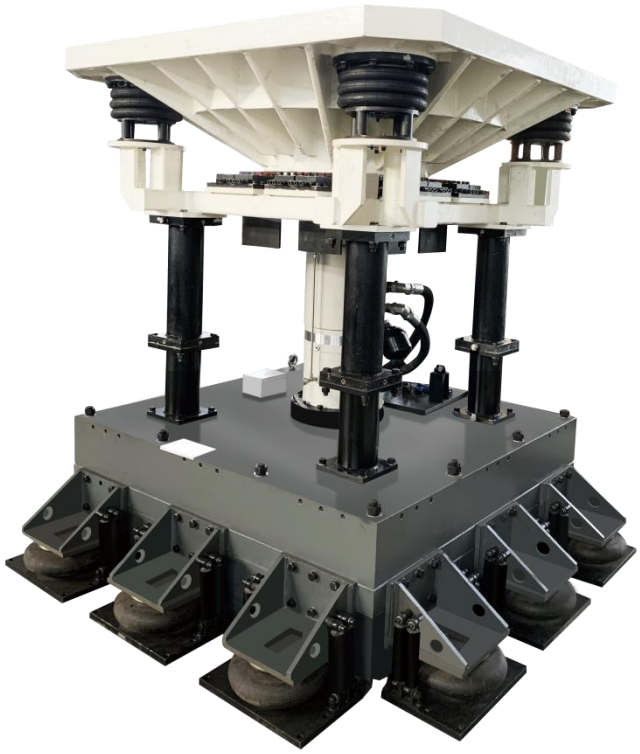
CME
RELIABILITY TESTING SOLUTIONS

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—5K	KRD 70—1T	KRD 70—2T	KRD 70—3T	KRD 70—4T	KRD 70—5T	KRD 70—10T	KRD 70—20T	KRD 70—30T	KRD 70—40T	KRD 70—50T
Force (KN)		5	10	20	30	40	50	100	200	300	400	500
Vibration Direction		Vertical/Horizontal										
Vibration Mode		Sine, random, road spectrum simulation										
Frequency Range (Hz)	Sine	0.1～200			0.1～150		0.1～130		0.1～100		0.1～80	
	Random	0～300				0～200			0～150			
Max. Load (kg)		100	200	400	600	800	1000	1500	3500	5000	7000	8000
Table Size (mm)		600×600	800×800	1000×1000	1200×1200		1500×1500		1800×1800	2000×2000	2500×2500	3000×3000
Max. Displacement (P-P) (mm)		100										
Max. Velocity (m/s)		0.6										
Weight (kg)		2500	3000	3800	5000	6800	9500	9500	16,000	21,000	26,000	31,000
Working Environment		Temperature range 0 ~ 40℃, Humidity≤80% (non-condensing)										
Power Supply		3-phase AC 380V±10% 50Hz										
Installation Condition		Special foundation, optional free foundation										
Standards		ISTA1/2/3/6 MIL-STD-810H IEC 60068-2 ASTM D4728										

Note:

1. The parameters in the table are for reference only, and the parameters agreed upon by the supplier and the buyer shall prevail.
2. Force, displacement amplitude, table size and working frequency can be customized.