

Multi-axis Shaker

ECON multi-axis shakers meet requirement of our customers to use multi-post/ multi-axis shakers for those cases, such as bi-axial, tri-axial, or in multiple posts. These shakers can replicate more realistic field environment in multiple points, or from different axes, highly reduce the risk of over test or lack of test during complex tests, and reduce traditional test times considerably.

Features

- Dedicated and Sophisticated bi-axial/tri-axial Design
- Low Friction and Hydro-static Linear Bearings
- Usable Frequency Range ~1,000Hz (sine) and ~2,000Hz (Random)
- Vibration could be Synchronized or Separately
- IGBT Power Module with Digital Control
- Higher Power Transfer Efficiency
- Dedicated System Interlocks
- Advanced MIMO Vibration Controller with Accurate System Identification,
- Highly Adaptive Matrix Control, and Max.16 drive outputs



Shaker Model	EDS-50-3AX200	EDS-300-3AX300	EDS-600-3AX400	EDM-1000-3AX400	EDM-2000-3AX500	EDM-3200-3AX600	EDM-5000-3AX800
Rated Sine (kN)	0.5	2.94	5.88	9.8	19.6	31.36	49.1
Usable Frequency Range Sine (Hz)	1000	800	800	800	800	600	500
Random (Hz)	2000	2000	2000	2,000	2,000	2,000	2000
Max.Displacement (mm)	10	18	38	38	38	38	38
Max.Velocity (m/s)	0.5	1	1	1	1	1	1
Max. Acceleration (g, bare table)	10	8.5	13	20	30	32	30
Max.Static Payload (kg)	2	50	200	200	200	400	800
Table Dimension (mm)	200x200	300x300	400x400	400x400	500x500	600x600	800x800
Effective Moving Elements Mass (kg)	5	35	46	50	65	100	165
Power Amplifier Model	VSA-H102A	VSA-H402A	VSA-H802A	VSA-H123A	VSA-H243A	VSA-H323A	VSA-H563A
Amplifier Type	Switching	Switching	Switching	Switching	Switching	Switching	Switching
Rated Output Power (kVA)	1	4	8	12	24	32	56
Power Supply Requirement (kVA)	1.8	7	16	26	40	65	90
Air Blower Model	PBL-W01	PBL-W03	PBL-W06	PBL-W10	PBL-W20	PBL-W30	PBL-W50
Blower Power (kW)	0.22	0.75	4	4	7.5	7.5	22

Specifications subject to change without prior notice.

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