

FM Series Vibration Testing System

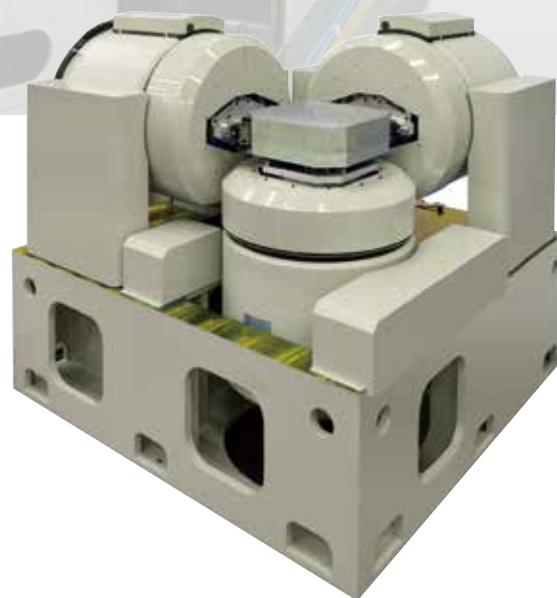
Triaxial Electrodynamic



- The FM series electrodynamic exciting system makes it possible to simultaneously excite a specimen in three directions
- According to the military standard MIL-STD-810G
- Responding to the frequency range from 5 Hz to 2000 Hz



- Multi-axis vibration test system that can excite a specimen in three axes simultaneously, which unites the electrodynamic vibration generator cultivated by EMIC for a long time with linear bearing guide mechanism manufactured by KOKUSAI Co., Ltd.
- The eco-friendly vibration test system is equipped with a energy saving drive system "ECO-Vibe neo". It is possible to reduce power consumption after performed range selection of the rated force for application.
- The FM series can be combined with a temperature/humidity chamber for environmental reliability tests.



FM Series Specifications

Model		FM-20K/60-3D-040	FM-30K/60-3D-040	FM-40K/60-3D-050	FM-60K/60-3D-050
Rated force	kN _{0-p}	20	30	40	60
Random force	kN _{rms}	20	30	40	60
Upper limit frequency	Hz	2000	2000	2000	2000(★1)
Max. acceleration (No Load)	m/s ²	133	188	235	316
Max. velocity	m/s	1.2	1.2	1.2	1.2
Max. displacement	mm _{p-p}	60	60	60	60
Max. payload	kg	100	100	100	100
Input power	kVA	80.4(26.8/axis)	126.6(42.2/axis)	171.0(57.0/axis)	204.9(68.3/axis)
Armature Mass	kg	150	160	170	190
Table size	mm	400×400	400×400	500×500	500×500
Cooling method		Air-cooled	Air-cooled	Air-cooled	Air-cooled

※ Input power specification is for 3φ AC200 V 50/60 Hz.

※ Lower limit frequency should be determined by a performance of an available vibration control system.

※ The table size of 600×600 mm is also available. Please contact us.

(★1) The rated force is available up 500 Hz and the force level from 500 Hz to 2000 Hz is 70% of its maximum.