

Vibration Test Systems for Transportation Tests

G-9 Series

Transportation

Electric & Electronic Apparatus

Vehicles

Railway Vehicles

Others

Aerospace



G-9150

Suitable for Vibration Tests for Large products

The main features of the large bare tables and high eccentric moment makes the G-9 Series Vibration Test Systems (VTSs) suitable mainly for transportation vibration tests for relatively large specimens, while G-9 VTSs can be used for many other purposes with various options and modifications available.

Usable Up to 2kHz (Option)

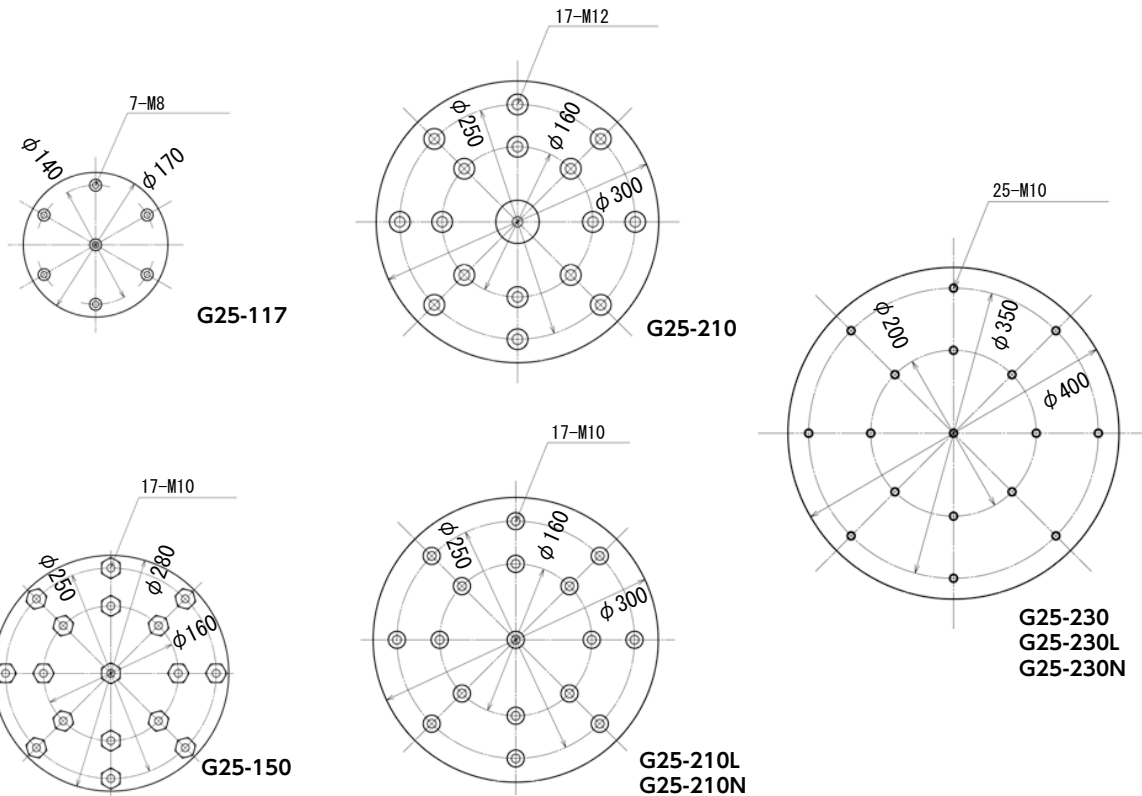
Optionally available is 2kHz instead of standard 500 to 1,000Hz, making G-9 VTSs also usable for tests for vehicle parts and electric & electronic parts.

Relatively Easy Changeover of Vibration Directions Possible

Featured by high eccentric moment, the Vibration Generators (VGs) of the G-9 Series (except of Air-bearing type) can be used for horizontal excitation with the Horizontal Table being directly connected to the Bare Table (but with table size and loadable weight limitation). Also the Vertical Table UP-DOWN Device and VG Geared-motor Rotating Mechanism optionally available make a changeover of vibration direction relatively easy, thus shortening time and enhancing safety for changing vibration directions.

- Air-cooled
- Mechanical Bearing
- Air Bearing
- Hydro-static Bearing
- Combined Environmental Test Systems also Available

Bare Table Hole Patterns



System Model	Max. Force Output	Max. Acceleration	Max. Velocity	Max. Displacement	Frequency Range	Table Size	Movable Mass	Max. Payload	Eccentric Moment	Vibration Generator		Power Amplifier		Power Required	Cooling System
	Sine kN (kgf)	Random rms m/s ² (G)	m/s	mmp-p	Hz	mm	kg	kg	N·m	Model	Dimensions (W×D×H mm)	Model	Dimensions (W×D×H mm)	kVA	[m ³ /min]
G-9117	1.7 (173)	242 (24)	0.8	50	2~1000	φ170	7	100	500	G25-117	528×544×520	G14-001	570×710×1335	3	Air (5)
G-9130	3 (306)	150 (15)	1.2	50	2~800	φ280	20	300	1000	G25-150	800×837×700	G14-002	570×710×1585	9	Air (6)
G-9150	5 (510)	250 (25)	1.5	50	2~800	φ280	20	300	1000	G25-150	800×837×700	G14-005	570×710×1585	10	Air (6)
G-9170	7 (714)	233 (23)	1.2	60	2~700	φ300	30	300	1200	G25-210	715×845×770	G14-007	570×710×1835	14	Air (8)
G-9170L	7 (714)	175 (17)	1.5	100	2~700	φ300	40	300	1500	G25-210L	882×882×800	G14-007	570×710×1835	15	Air (8)
G-9170N	7 (714)	218 (22)	1.5	100	2~700	φ300	32	300	350	G25-210N	685×777×778	G14-007	570×710×1835	14	Air (8)
G-9210	10 (1020)	333 (34)	1.5	60	2~700	φ300	30	300	1200	G25-210	715×845×770	G14-010	570×710×1835	19	Air (10)
G-9210L	10 (1020)	250 (25)	1.5	100	2~700	φ300	40	300	1500	G25-210L	882×882×800	G14-010	570×710×1835	20	Air (10)
G-9210N	10 (1020)	312 (31)	1.5	100	2~700	φ300	32	300	350	G25-210N	685×777×778	G14-010	570×710×1835	19	Air (10)
G-9220	20 (2040)	400 (40)	1.5	60	2~500	φ400	50	500	1500	G25-230	1030×1030×1025	G14-021	585×1000×1835	34	Air (22)
G-9220L	20 (2040)	285 (29)	1.5	100	2~500	φ400	70	500	2250	G25-230L	1010×1010×900	G14-021	585×1000×1835	42	Air (22)
G-9220N	20 (2040)	363 (37)	1.5	100	2~500	φ400	55	500	500	G25-230N	1030×1030×1025	G14-021	585×1000×1835	41	Air (22)
G-9230	30 (3061)	500 (51)	1.2	60	2~500	φ400	60	500	1500	G25-230	1030×1030×1025	G14-035	585×1000×1835	45	Air (25)
G-9230L	30 (3061)	428 (43)	1.5	100	2~500	φ400	70	500	2250	G25-230L	1010×1010×900	G14-035	585×1000×1835	52	Air (25)
G-9230N	30 (3061)	545 (55)	1.5	100	2~500	φ400	55	500	500	G25-230N	1030×1030×1025	G14-035	585×1000×1835	52	Air (25)

- For the air-cooled systems with a force output of over 20kN, it is recommended that the hot air from the cooling blower be sent to outside.
- The last letter stands for:
 N: Air Bearing Type
 L: Hydro Static Bearing Type
 No Letter: Mechanical Bearing Type