

MULTI-AXIS VIBRATION TEST SYSTEMS

"TS " SERIES TRI-AXIAL SIMULTANEOUS TYPE

<Typical system block diagram
of Tri-axial Simultaneous system>

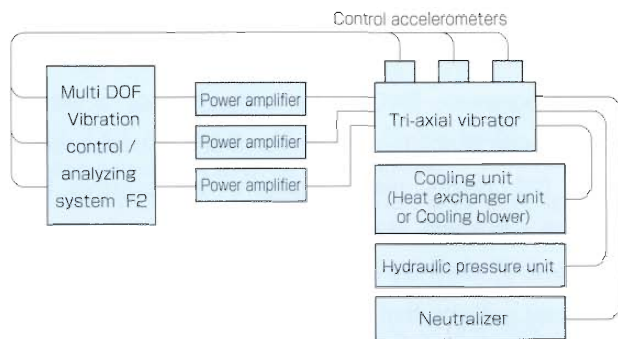


Photo : TS-1500-5H

Outline performance of "T Series" systems

System Model	TS-300-5M	TS-300-8L	TS-600-8M	TS-600-10L	TS-600-12L	TS-1000-4H	TS-1000-8M	TS-1000-10L
Max. frequency (no loading) Hz	500	200	500	200	200	2 000	500	200
Rated SINE force (per axis) kN	29.4	29.4	5.88	5.88	5.88	9.8	9.8	9.8
Rated RANDOM force (per axis) kN rms	20.5	14.7	4.11	2.94	2.94	6.86	6.86	4.9
Max. Velocity m/s	1.1	1.1	0.8	0.8	0.8	1	1	1

System Model	TS-1000-12L	TS-2000-4H	TS-2000-8M	TS-2000-10M	TS-2000-10L	TS-2000-12L	TS-3000-4H	TS-3000-8M
Max. frequency (no loading) Hz	200	2 000	500	500	200	200	2 000	500
Rated SINE force (per axis) kN	9.8	19.6	19.6	19.6	19.6	19.6	29.4	29.4
Rated RANDOM force (per axis) kN rms	4.9	13.7	13.7	13.7	9.8	9.8	20.5	20.5
Max. Velocity m/s	1	1.2	1.2	1.2	1.2	1.2	1.1	1.1

System Model	TS-3000-10M	TS-3000-10L	TS-3000-12L	TS-5000-5H	TS-5000-8M	TS-5000-10M	TS-5000-12L	TS-5000-15L
Max. frequency (no loading) Hz	500	200	200	2 000	500	500	200	200
Rated SINE force (per axis) kN	29.4	29.4	29.4	49	49	49	49	49
Rated RANDOM force (per axis) kN rms	20.5	14.7	14.7	34.3	34.3	34.3	24.5	24.5
Max. Velocity m/s	1.1	1.1	1.1	1.5	1.5	1.5	1	1

System Model	TS-6000-5H	TS-6000-8M	TS-6000-10M	TS-6000-12L	TS-6000-15L
Max. frequency (no loading) Hz	2 000	500	500	200	200
Rated SINE force (per axis) kN	58.8	58.8	58.8	58.8	58.8
Rated RANDOM force (per axis) kN rms	43.1	43.1	43.1	30.8	30.8
Max. Velocity m/s	1.5	1.5	1.5	0.9	0.9

MULTI-AXIS VIBRATION TEST SYSTEMS

"D S" SERIES BI-AXIAL SIMULTANEOUS TYPE

<Typical system block diagram
of Bi-axial Simultaneous system>

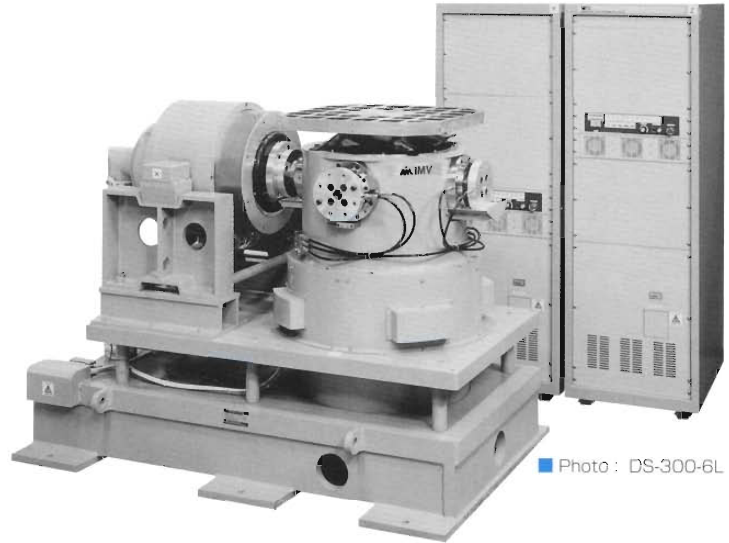
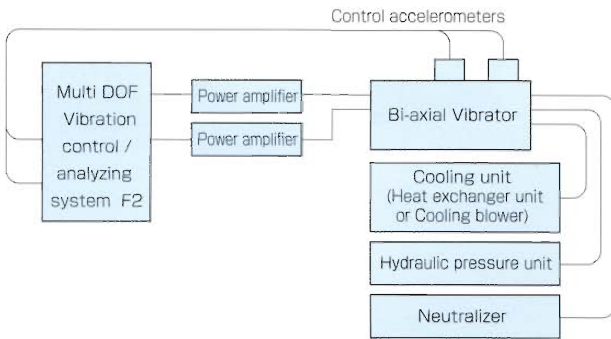


Photo : DS-300-6L

Outline performance of "D Series" systems

System Model	DS-300-5M	DS-300-8L	DS-600-8M	DS-600-10L	DS-600-12L	DS-1000-4H	DS-1000-8M	DS-1000-10L
Max. frequency (no loading) Hz	500	200	500	200	200	2 000	500	200
Rated SINE force (per axis) kN	2.94	2.94	5.88	5.88	5.88	9.8	9.8	9.8
Rated RANDOM force (per axis) kN rms	2.05	1.47	4.11	2.94	2.94	6.86	6.86	4.9
Max. Velocity m/s	1.1	1.1	0.8	0.8	0.8	1	1	1

System Model	DS-1000-12L	DS-2000-4H	DS-2000-8M	DS-2000-10M	DS-2000-10L	DS-2000-12L	DS-3000-4H	DS-3000-8M
Max. frequency (no loading) Hz	200	2 000	500	500	200	200	2 000	500
Rated SINE force (per axis) kN	9.8	19.6	19.6	19.6	19.6	19.6	29.4	29.4
Rated RANDOM force (per axis) kN rms	4.9	13.7	13.7	13.7	9.8	9.8	20.5	20.5
Max. Velocity m/s	1	1.2	1.2	1.2	1.2	1.2	1.1	1.1

System Model	DS-3000-10M	DS-3000-10L	DS-3000-12L	DS-5000-5H	DS-5000-8M	DS-5000-10M	DS-5000-12L	DS-5000-15L
Max. frequency (no loading) Hz	500	200	200	2 000	500	500	200	200
Rated SINE force (per axis) kN	29.4	29.4	29.4	49	49	49	49	49
Rated RANDOM force (per axis) kN rms	20.5	14.7	14.7	34.3	34.3	34.3	24.5	24.5
Max. Velocity m/s	1.1	1.1	1.1	1.5	1.5	1.5	1	1

System Model	DS-6000-5H	DS-6000-8M	DS-6000-10M	DS-6000-12L	DS-6000-15L
Max. frequency (no loading) Hz	2 000	500	500	200	200
Rated SINE force (per axis) kN	58.8	58.8	58.8	58.8	58.8
Rated RANDOM force (per axis) kN rms	43.1	43.1	43.1	30.8	30.8
Max. Velocity m/s	1.5	1.5	1.5	0.9	0.9

MULTI-AXIS VIBRATION TEST SYSTEMS

"TC " SERIES TRI-AXIAL SEQUENTIAL TYPE

<Typical system block diagram of Tri-Axial Sequential system>

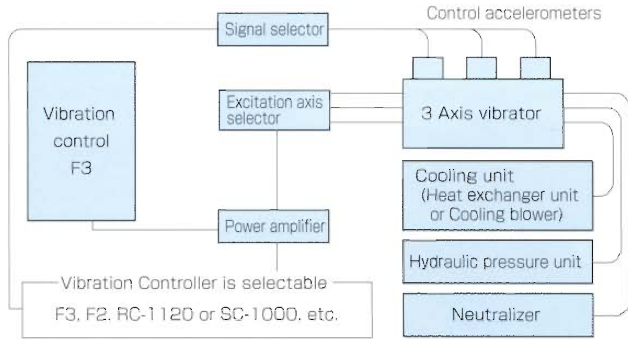


Photo : TC-2000-6/10

Outline performance of "T Series" systems

System Model	TC-300-5M	TC-300-8L	TC-600-8M	TC-600-10L	TC-600-12L	TC-1000-4H	TC-1000-8M	TC-1000-10L
Max. frequency (no loading) Hz	500	200	500	200	200	2 000	500	200
Rated SINE force (per axis) kN	2.94	2.94	5.88	5.88	5.88	9.8	9.8	9.8
Rated RANDOM force (per axis) kN rms	2.05	1.47	4.11	2.94	2.94	6.86	6.86	4.9
Max. Velocity m/s	1.1	1.1	0.8	0.8	0.8	1	1	1

System Model	TC-1000-12L	TC-2000-4H	TC-2000-8M	TC-2000-10M	TC-2000-10L	TC-2000-12L	TC-3000-4H	TC-3000-8M
Max. frequency (no loading) Hz	200	2 000	500	500	200	200	2 000	500
Rated SINE force (per axis) kN	9.8	19.6	19.6	19.6	19.6	19.6	29.4	29.4
Rated RANDOM force (per axis) kN rms	4.9	13.7	13.7	13.7	9.8	9.8	20.5	20.5
Max. Velocity m/s	1	1.2	1.2	1.2	1.2	1.2	1.1	1.1

System Model	TC-3000-10M	TC-3000-10L	TC-3000-12L	TC-5000-5H	TC-5000-8M	TC-5000-10M	TC-5000-12L	TC-5000-15L
Max. frequency (no loading) Hz	500	200	200	2 000	500	500	200	200
Rated SINE force (per axis) kN	29.4	29.4	29.4	49	49	49	49	49
Rated RANDOM force (per axis) kN rms	20.5	14.7	14.7	34.3	34.3	34.3	24.5	24.5
Max. Velocity m/s	1.1	1.1	1.1	1.5	1.5	1.5	1	1

System Model	TC-6000-5H	TC-6000-8M	TC-6000-10M	TC-6000-12L	TC-6000-15L
Max. frequency (no loading) Hz	2 000	500	500	200	200
Rated SINE force (per axis) kN	58.8	58.8	58.8	58.8	58.8
Rated RANDOM force (per axis) kN rms	43.1	43.1	43.1	30.8	30.8
Max. Velocity m/s	1.5	1.5	1.5	0.9	0.9