

Vertical / horizontal test configurations

Vibration Test Platform & Measurement

Simulate single-frequency and swept-frequency vibration in vertical, horizontal or combined directions for product and transport-environment testing. The listed vertical and horizontal machines have different acceleration ratings.

Measurement method

Secure the sample in the selected fixture and run the agreed single-frequency or frequency-sweep programme. Record the test conditions and response for comparison with the required product qualification procedure.

Features

- Single-vibration and scanning modes
- Vertical and horizontal configurations
- Combined-direction test arrangements

Applications

- Product vibration testing
- Transport-environment simulation
- Mechanical robustness investigations

Listed test configurations

Parameter	Specification
Vertical machine No. 1	15 g acceleration; 3 mm amplitude
Horizontal machine No. 2	7 g acceleration; 3 mm amplitude
Routine scanning frequency	10-55 Hz
Modes	Single vibration and scanning vibration

Conditions and configuration notes

Acceleration and amplitude refer to the listed test configurations, not simultaneous limits at every frequency. Confirm whether amplitude is peak or peak-to-peak and agree the specimen load and test method.

Specify your measurement

- Sample mass, centre of gravity and fixture
- Required axes, waveform and sweep programme
- Acceleration, displacement, duration and measurement channels

Prepared by Precisometer. Technical review: 24 October 2026. Confirm the supplied configuration, measurement conditions, accessories and warranty with the quotation.

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