

Electrodynamics Shaker

The facility is part of fatigue lab. This equipment is intended to perform durability tests for Research and Development purposes. The lab is part of Center of Excellence for fatigue .



ED Shaker



ED Shaker with Climatic Chamber

1. Function of Facility: The system is able to shake vertically and horizontally.

The following tests can be performed

- Sine sweep
- Resonance Search & Dwell
- Random
- Mechanical Shock (half sine, +ive/-ive)
- Manual Mode waveform generator in shock (Waveform editor)
- Discrete
- Cyclic Vibration(Customized)

2. Technical Specification of facility:

<u>Specification</u>	<u>6 Ton ED Shaker</u>
Rated Force	6000kgf
Max Frequency	2000Hz
Displacement (pk-pk)	51mm
Max Velocity	2m/s
Max Acceleration	115g
Payload Capacity	700Kg
Armature Dia	440mm
Mounting Base Dim	1.2m×1.2m
<u>Specification</u>	<u>Large Climatic Chamber</u>
Usable size	2m×2m×2m
Temperature Range	-60°C to + 180°C
Temperature Rate	4K/min
Humidity	10% to 95% RH