

Electrodynamics Shaker

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



ED Shaker

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:

<i>Specification</i>	<i>6 Ton ED Shaker</i>	<i>3 Ton ED Shaker</i>
Rated Force	6000kgf	3000kgf
Max Frequency	2000Hz	2000Hz
Displacement (pk-pk)	51mm	51mm
Max Velocity	2m/s	2m/s
Max Acceleration	115g	90g
Payload Capacity	700Kg	500Kg
Armature Dia	440mm	360mm
Mounting Base Dim	1.2m×1.2m	0.8m×0.8m
<i>Specification</i>	<i>Large Climatic Chamber</i>	<i>Medium Climatic Chamber</i>
Usable size	2m×2m×2m	1.5m×1.5m×1.5m
Temperature Range	-60°C to + 180°C	-60°C to + 180°C
Temperature Rate	4K/min	4K/min
Humidity	10% to 95% RH	10% to 95% RH