Mechanical / Dynamic Testing
IEC QUALITY ASSESSMENT SYSTEM FOR ELECTRONIC COMPONENTS (IECQ)

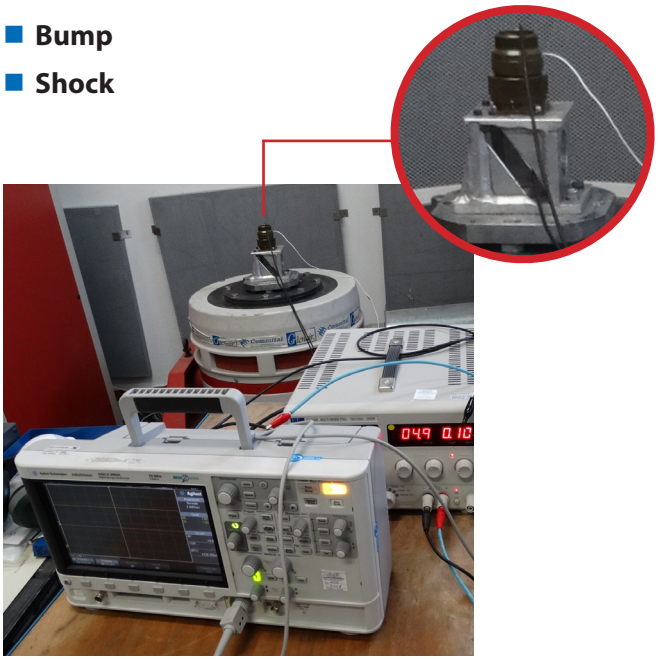
MECHANICAL / DYNAMIC TESTING

ELECTRICAL AND ELECTRONIC COMPONENTS/DEVICES TESTED
Electrical/Fibre optic connectors
Electro/Mechanical Devices
Wiring Harnesses
Switches
Aerospace Components & Equipment
Automotve Components & Equipment
Railway Components

Controlled vibration and **shock testing** ensures electrical and electronic components can withstand specified forms of dynamic stress encountered during operation and shipping.

Available Tests:

- **Vibration sine**
- **Vibration random**
- **Bump**
- **Shock**



VIBRATION-SINSOIDAL (Ambient temperature)	
MECHANICAL/DYNAMIC TESTS	**STANDARD**
Freq. Range: 5 to 2000 Hz	BS EN/IEC 60068-2-6
Peak thrust: 8,90kN	EIA-364-28
Max pk/pk displacement: 50mm	

VIBRATION/RANDOM (Ambient temperature)	
MECHANICAL/DYNAMIC TESTS	**STANDARD**
Freq.Range: 5 to 2000 Hz	BS EN / IEC 60068-2-64
Peak thrust: 5,76 kN	EN 61373
Max pk/pk displacement: 50mm	EIA-364-28

SHOCK (Half sine, Sawtooth, and Trapezoidal waveforms)	
MECHANICAL/DYNAMIC TESTS	**SPECIFICATION APPLICABLE**
Peak thrust : 17,36kN	BS EN / IEC 60068-2-27 EIA-364-27 EN 61373

BUMP (Half sine)	
MECHANICAL/DYNAMIC TESTS	**STANDARD**
Severity: 20/40 gn	BS EN / IEC 60068-2-29:1993

DISCONTINUITY (During vibrations)	
MECHANICAL/DYNAMIC TESTS	**STANDARD**
0.1 µs Electrical discontinuity	EIA-364-28