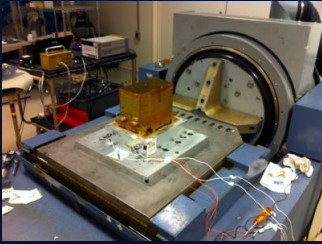


Test Services

Test Services



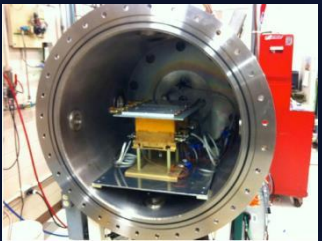
Vibration Testing



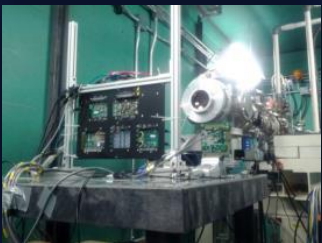
EMC



Shock



Thermal Vac



Radiation



ZIN is experienced at developing hardware that operates in unpressurized, pressurized or vacuum environments. Our QMS contains the environmental test requirements defined by NASA, AIAA, IEEE, FAA HF, MIL, RTCA, SAE and SME handbooks and standards including thermal, vacuum, vibration, strength, EMI, acoustic, atomic oxygen, and radiation.

ZIN has developed an approach using testing, analysis, and modeling to help mitigate the effects of the radiation environment by assisting in the selection, screening, and shielding of electronic commercial or industrial grade components.

Nominal and off-nominal support is provided, off-nominal support products are nonconformance reports and root cause analysis. Non-destructive evaluation (NDE) requirements are performed by approved suppliers. In addition, ZIN has experience with power electronics circuits for mission and life critical spaceflight applications. Test plans for NDE draws on standards from ASTM, NIST, DOD, and NASA. All fracture critical parts that cannot be proof tested will be tested by NDE to screen for cracks.

- ❑ ZIN generates interface agreements, control drawings, and control documents used for test requirements.
- ❑ Zin provides test plan generation, test procedure generation, serving as test conductors, data analysis and reporting.
- ❑ Vibration Testing:
 - ❑ Sweep
 - ❑ Sine Vibe
 - ❑ Random Vibe
- ❑ EMC
 - ❑ Conducted Emissions
 - ❑ CE01
 - ❑ CE03
 - ❑ CE07
 - ❑ Radiated Emissions
 - ❑ RE01
 - ❑ RE02
 - ❑ Conducted Susceptibility
 - ❑ CS01
 - ❑ CS02
 - ❑ CS06
 - ❑ Radiated Susceptibility
- ❑ Shock
- ❑ Thermal VAC
- ❑ Radiation

