Astrostructures

Test Management Service

With our personalised test management service, we manage and execute thermal vacuum, vibration, and shock tests and ensure a smooth and successful test campaign every time. Our level of support is designed to cover the full test campaign, and can be tailored to your specific needs.

Specification

- Test requirements capture
- Suitable test facility selection
- Preparation of test scope and specification

Preparation

- Design/selection of thermal & mechanical GSE
- Contamination control considerations
- Instrumentation and data logging specification
- Hardware bakeout
- AIT prep (transport strategy, tool list, etc.)
- Test procedure preparation

Implementation

- Test readiness review (product assurance)
- Integration into test facility
- Test monitoring
- Post-test review (product assurance)

Post-test support

- De-integration
- Test report generation
- Thermal or structural model correlation

Space Qualification

Our space qualification service includes material, part, and process qualification tests such as humidity and ambient thermal cycling. We are experienced in qualifying processes like paint application, heater bonding, and solder verification.

astrostructures.com
Engineering Your Space Ambitions

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