

Mass Properties Measurement Services

Space Electronics provides contract mass properties measurement services in our 2,300 sq. ft. climate-controlled laboratory. If your project doesn't justify the purchase of a new instrument, let us perform the measurement for you, at our facility or yours. Many of our dedicated lab instruments are available for set up at your facility in support of your test program.

Measurement Instruments

Space Electronics mass properties measurement laboratory is equipped with a wide range of instruments for measuring:

- Weight
- Center of Gravity
- Weight & Center of Gravity Combined
- Moment of Inertia
- Dynamic Balancing
- Center of Gravity and Inertia Tensor
- Gimbal Balance
- Single-axis Turbine Blade Moment Weight
- Multi-Axis Turbine Blade Moment Weight

Why Space Electronics Measurement Services?

• Quality Assurance

Many programs now insist on mass properties verification as a final risk mitigation measure. As the world leader in the field, Raptor Scientific's certification is universally recognized as the highest standard available.

• High Performance

Without accurate measurement or balancing, many systems fail to meet their performance parameters. Raptor Scientific is there when your system has to work first time, every time.

• Rapid Results

Measurement services can often be completed within just a few days of your initial request.

• Economy

When a project budget might not stretch to the purchase of a dedicated mass properties measurement instrument, Raptor Scientific's measurement services offer an affordable alternative.

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Test Article Fixturing

All mass properties measurement results are referenced to your test article datum and are certified traceable to NIST. Space Electronics offers its extensive experience in designing and manufacturing fixtures - L-fixtures, vee blocks, roller vee fixtures, satellite positioners and more - to suit a full range of test parts, from computer hard-drive components weighing a few grams to satellites weighing 10 tons.

Service Arrangements

Our engineering team will work with you to build a test program that fully meets your measurement needs - schedule, accuracy, analysis, and reporting. Your engineers and technicians are welcome to participate in the testing, or you can hand the project over to our team of mass properties experts.

Facility Setup

Our loading dock and handling equipment can accommodate virtually any test item. Test articles are stored in a secure location and handled in accordance with all local, state and federal safety regulations and Dept. of State regulations for the handling of items on the US Munitions List.

