

Mass Properties Measurement Services



Faster, More Efficient Measurement Services

Raptor Scientific provides contract mass properties measurement services in our 2,300 square foot climate-controlled mass properties measurement laboratory.

If your project or budget doesn't justify the purchase of a new instrument, let us perform the measurement for you—at our facility or yours.



2,300 sq. ft. Climate Controlled Mass Properties Measurement Lab

Available Instruments

Raptor Scientific's mass properties laboratory is equipped with a wide range of instruments for measuring:

- Weight
- Center of Gravity
- Weight and Center of Gravity combined
- Moment of Inertia
- Dynamic Balancing
- Center of Gravity and Inertia Tensor
- Gimbal Balancing
- Single-Axis Turbine Blade Moment Weight
- Multi-Axis Turbine Blade Moment Weight

Test Article Fixturing

All mass properties measurement results are referenced to your test article datum and are certified traceable to NIST. Raptor Scientific provides extensive experience designing and manufacturing fixtures including L-fixtures, vee blocks, roller vee fixtures, and satellite positioners. We accommodate a wide range of test objects, from computer hard drive components to satellites weighing 10 tons.

Why Raptor Scientific?

- Quality Assurance - Raptor's certification is universally recognized as the highest standard available.
- High Performance - Ensure the successful performance of your program with accurate measurement and balancing .
- Rapid Results - Measurement services can often be completed within just a few days of your request.
- Economical - In tight budget situations, Raptor Scientific's measurement services are an affordable alternative to purchasing new equipment.

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.

Scan this QR Code to review our mass properties laboratory instruments.

