



Since 1995, Kratos SRE has led hundreds of ground tests at various test facilities around the U.S. Conducting ground tests and performing post-test analysis on thermal protection materials designed for hypersonics applications, remains a key area of expertise for the Hypersonic Structures Department. The ground tests are carried out in either commercial or government supported test facilities using hardware and instrumentation developed and fabricated by Kratos SRE.

▪ **Capabilities**

- Plan and field tests
- In-depth temperature measurements
- Dwell calorimeters
- Passive or cooled leading edges and nosetips
- Special instrumentation and hardware
- Thermal and mass loss modeling
- In situ shape change

▪ **Applications**

- Hypersonic vehicles/Interceptors
- Re-entry vehicles
- Experimental data for analytical models and code
- Validation



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