

Materials Sciences, LLC

www.materials-sciences.com

CORE COMPETANCY

Since its founding in 1970, MSC has been providing engineering services to the advanced materials and composites industry. MSC is considered a nontraditional defense contractor and is headquartered in a 25,000 ft² combined engineering, laboratory, and prototyping facility in Horsham, PA. This facility is supplemented by a 15,000 ft² advanced textile production facility and a 30,000 ft² composite manufacturing facility, both located in Greenville, SC, and a 6,000 ft² engineering and composites manufacturing facility in Huntsville, AL.

KEY POINTS OF CONTACT

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KEY PROJECTS OR PRODUCTS

- Design and Analysis of Composite Structures
- Process Simulation for High-Temperature Composites, e.g., CMC, C-C, etc.
- Material Characterization and Thermo-Structural Testing
- Development and Application of Topology and Shape Optimization Based Design Tools
- Design and Additive Manufacturing of High Temperature Alloy Structures
- Nonlinear Material Response and Damage Modeling of TPS Materials
- Hypervelocity Impact and Shock of Composite Materials
- Prototype and Production Composite Manufacturing
- Specialty Textile Engineering and Production
- Non-Destructive Evaluation, Quality Assurance, and Metrology

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