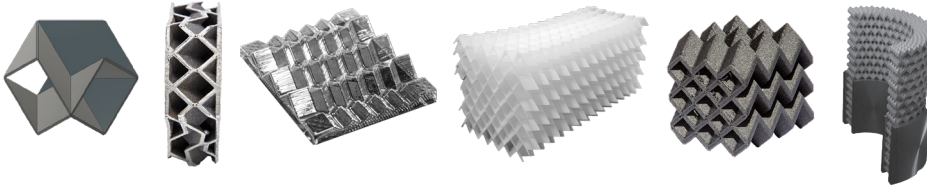


We make customizable advanced materials.

Our mechanical metamaterials use geometric patterning to enhance the performance of conventional materials. We design, customize, and optimize these geometries with our multi-objective optimization technology. Our customers benefit from our advanced materials by avoiding the trade-offs of conventional material selection. Multi-objective optimizations can include:

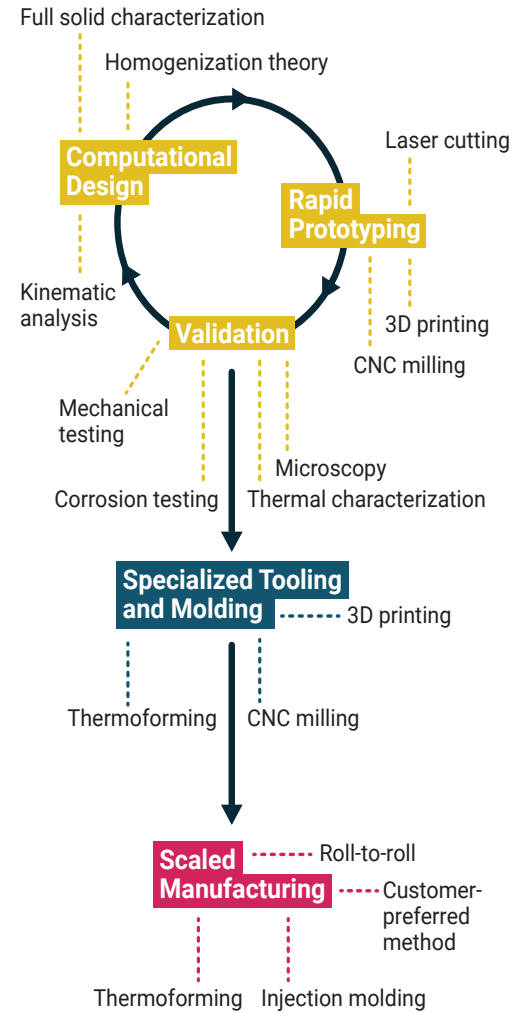
- Lightweight impact protection
- Multi-directional performance
- Increased durability
- Total system weight reduction
- Better temperature control
- Improved crashworthiness
- Corrosion resistance
- Extreme pressure survivability



Our advantages. Your benefits.

- All the benefits of advanced materials without the usual cost, risk, and lead time associated with conventional material development.
- Metamaterials are made with easily sourced existing materials.
- Invest your R&D dollars elsewhere – we’ve already developed new advanced materials that are ready for your customizations.
- Easy integration of our metamaterials into new and existing systems with your preferred manufacturing partners.

Our approach to material design and manufacturing.



Proven support for technology development.

Our technology was developed at world-class universities and our R&D continues to be supported by the US Department of Defense with additional SBIR funds from NASA, NSF, and the US Department of Energy.

Find white papers, technical datasheets, and request samples on our website: multiscalesystems.com.

