Moog has more than a decade of innovative Additive Manufacturing (AM) design and manufacturing expertise. With 14 Laser Powder Bed Fusion (LPBF) machines, our experienced engineers and proven processes and controls ensure every project is precision quality.

Facilities include an on-site R&D center, a metrology and material analysis lab and stress relief/heat treat ovens. In-house X-ray μ-CT inspection, along with machining and finishing services are also available.

**BENEFITS OF METAL AM**
- Lighter Weight
- Improved Performance
- Complex Shapes
- Reduced Part Count
- Supply Chain Optimization
- Operating Costs Reduction
- Spare Part Inventory Reduction
- Customization & Redesign Opportunities
- Time-to-Market Delivery Improvements
- Highly Accurate
- Improved Reliability
- Tooling Elimination

**METAL AM MATERIALS**
- Aluminum AlSi10Mg
- Cobalt Chrome MP1
- Inconel 625, 718
- Maraging Steel MS1
- Nickel Alloy HX
- Stainless Steel 316L, 15-5, 17-4
- Titanium Ti64
- Copper Cu18150 and GRCop84
Moog has invested in Metal AM to enable innovation in future industries and technology improvements. Metal AM benefits propulsion by allowing lighter weight structures and unique geometries to improve engine performance. Metal AM benefits robotics by increasing strength and agility with lighter and smaller components. Moog is committed to further advance its capabilities in Metal AM and looks forward to working with you to advance this technology for your applications.

**PROPULSION**

- Hot Fired Engine
- Propulsion Mounting Structure
- Injector

**ROBOTICS**

- Ninja Car Active Suspension
- Miniature Actuator
- Smart Actuator
- ITT HyQ

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