

Engineered for Material Innovation

MoldJet® removes the barriers that typically slow down materials development. Its unique process enables rapid experimentation with a broad range of materials while maintaining exceptional precision, repeatability, and density.

From refractory metals to advanced ceramics, MoldJet® empowers researchers, manufacturers, and innovators to explore entirely new applications with confidence.

MoldJet® Key Advantages for Materials



Open Materials Platform

Develop and qualify your own proprietary materials without being locked into predefined material systems.



Fast & Safe Material Changeover

Switch between materials quickly and efficiently, enabling rapid R&D cycles and reduced downtime.



Integrated Quality Assurance

Built-in in-process QA and corrective capabilities help ensure consistent part quality throughout development and production.



High Density & Repeatability

Achieve near-full-density parts with reliable, repeatable performance across batches and geometries.



Freedom of Design

Produce complex geometries without the constraints of conventional tooling or manufacturing limitations.



Expanding Material Capabilities

MoldJet® technology is continuously advancing across multiple material families:

Extreme Heat & High-Performance Materials

- ▶ MAR-M-247
- ▶ Inconel 713C
- ▶ Inconel 600
- ▶ Invar36
- ▶ SiC
- ▶ Si3N4
- ▶ Tungsten Alloys (WC, W-Cu)
- ▶ NiTi Shape Memory Alloys
- ▶ Molybdenum
- ▶ Tantalum
- ▶ High-TCE Copper Alloys

Rare Earth & Advanced Functional Materials

- ▶ Graphite
- ▶ Lithium
- ▶ Niobium

Advanced Ceramics and Precious Metals

- ▶ Alumina
- ▶ Zirconia
- ▶ Piezo-Electric Materials
- ▶ Gold
- ▶ Platinum

