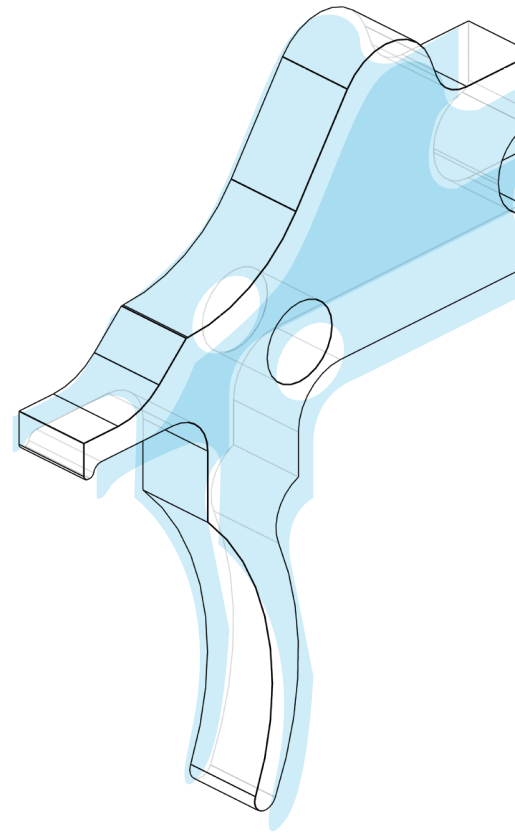




Metal Injection Molding



MPP's Metal Injection Molding (MIM) is advanced metal forming for the high volume design and manufacturing of three-dimensional metal parts to tight tolerances. Often working with small parts and complex geometries, our MIM process can replace other metal forming techniques such as investment casting and machining, with superior strength and less material waste.

Advantages of MIM

- Complex geometries
- Efficient use of material, less waste
- Repeatability
- Excellent mechanical properties
- Tailored solutions using unique materials
- Brazing/Joining capability for multi-part assembly

INDUSTRIES WE SERVE:

- ⊕ Firearms
- ⊕ Handtools
- ⊕ Industrial
- ⊕ Outdoor Power Equipment
- ⊕ Aerospace
- ⊕ Medical Device
- ⊕ Robotics

Custom Engineering Expertise

MPP translates complex designs with exacting specifications into reliable, cost-effective components. Our experienced development and metallurgical team, that includes multiple PhD metallurgists, converts the most difficult concepts into a reality not possible with other technologies.

We offer low-cost prototyping, experienced processing, and tool transfers from other MIM producers. We are ISO 9001:2015 registered and support JIT and Kanban programs.

Key Attributes of MIM

- A repeatable process for complex components made from high temperature alloys.
- High density for excellent mechanical, magnetic, corrosion resistance, and hermetic sealing properties.
- Compatible with secondary operations like plating, heat-treating, and machining.
- Innovative tooling to create complex and increasingly small shapes.

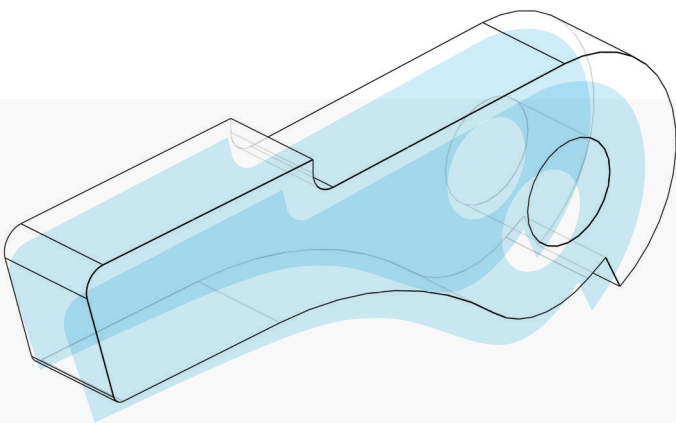
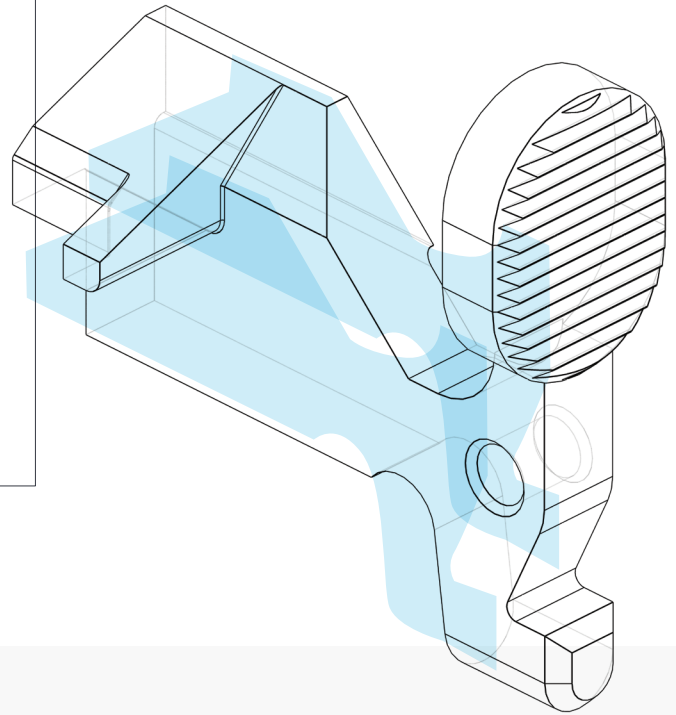
MOST POPULAR MIM MATERIALS

Stainless Steels | Low Alloy Steels

Controlled Expansion Alloys

Superalloys | Soft Magnetic Alloys

High Density Alloys



Learn More

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