

3D Printed Mold Component

This 3D printed component is likely a part of a mold used in manufacturing processes. It features a collapsible or segmented design, possibly for ease of demolding or for creating complex internal geometries.



Overview

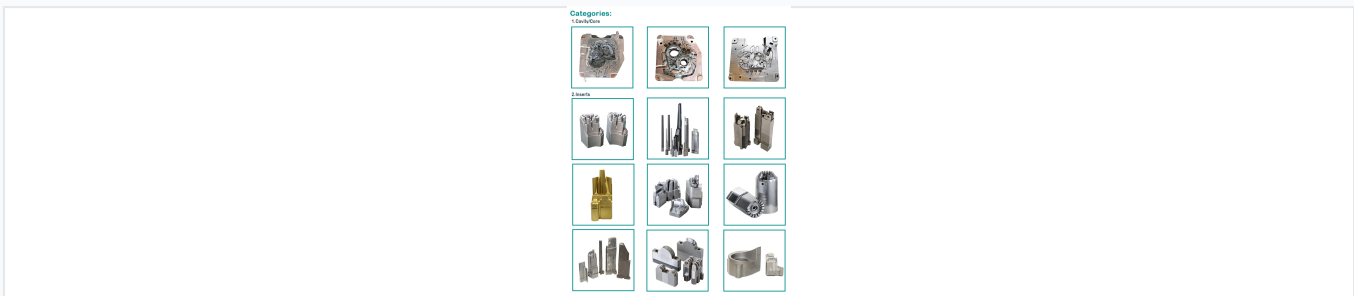


Advanced transparent component showing internal material flow channels and heating elements.

Advanced Additive Manufacturing for Tooling

Our 3D printed mold components leverage cutting-edge additive manufacturing to create complex geometries, including conformal cooling channels and intricate inserts. Designed for high-precision industrial applications, these components help reduce cycle times and improve part quality in demanding molding environments. With over 20 years of expertise in mold making, we provide tailor-made solutions that meet rigorous international standards.

Technical Capabilities



Various 3D printed inserts and core components demonstrating complex geometric capabilities.

Supported Components	Core/Cavity, Inserts, Core Pin, Jet Cooler, Water Jacket, Vent Chill, Sprue Bushing, Slide Base, Mold Base
Manufacturing Tolerance	±0.01mm to ±0.1mm

Materials & Treatment

Available Materials

- 1.2343
- 1.2344
- 1.2367
- SKD61 (DAC, DHA1)
- DAC55
- Premium H13
- 8407
- DIVAR
- STAVAX

Surface Treatment

Polishing, Mirror Polishing, Nitriding, Oerlikon Balzers Coating

Quality & Compliance

Quality Certifications

ISO 9001 • IATF 16949

QC System

100% inspection before shipment

Logistics

Standard Lead Time

14 days

Minimum Days

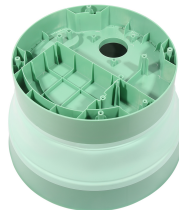
35 days

Maximum Days

Packaging Options

- Bubble bag
- Carton box
- Plywood case

Manufacturing Advantages



Specialized segmented design to facilitate easy demolding of complex parts.

Strategic Advantages

- Expertise in complex shapes and high precision requests
- Advanced mold flow analysis and design software
- High-efficiency cooling systems to increase production
- Cost-effective direct manufacturer pricing
- Large production capacity across three specialized factories