

# 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

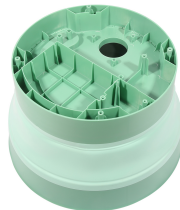
**35 days**

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