

# Precision Silica Sol Casting Part for Machinery

This silica sol casting part is precision-engineered for industrial applications. The component offers exceptional dimensional accuracy and a smooth surface finish, ensuring reliable performance and longevity.



## Product Overview

### High-Precision Silica Sol Casting

This precision-engineered component is manufactured using the advanced silica sol investment casting process. This technique allows for the production of complex, high-temperature resistant parts with superior dimensional accuracy and a smooth surface finish. Designed for demanding industrial applications, it offers exceptional mechanical properties and corrosion resistance for reliable long-term performance.

## Technical Capabilities

<b>Casting Process</b>	Silica Sol Investment Casting
<b>Process Advantages</b>	High Dimensional Accuracy, Superior Surface Quality, Complex Geometry Capability, High-Temperature Resistance, Corrosion Resistant

## Process Workflow

### Production Workflow

- Create fusible soluble model
- Apply multi-layer refractory coating
- Dry and harden shell
- Remove model via steam or hot water
- Roast shell at high temperature
- Pour molten metal into mold