

# Resin Sand Cast Metal Parts

Resin sand casting is used to create metal parts with intricate details and good dimensional accuracy. This method involves creating a mold from resin-bonded sand and pouring molten metal into it.



## ADDITIONAL IMAGES



## Product Overview

### Industrial Casting Solutions

Resin sand casting is a versatile and cost-effective manufacturing method capable of producing metal parts with complex geometries and intricate details. By utilizing resin-bonded sand for mold creation, this process achieves superior dimensional accuracy and a smooth surface finish. These components are engineered for durability and reliability, making them ideal for heavy-duty applications in mining, automotive, and industrial infrastructure.

## Material Composition

### Available Materials

Carbon Steel, Alloy Steel, Stainless Steel, Gray Iron, Ductile Iron, Nodular Iron, Aluminum, Brass, Tool Steel

## Manufacturing Capabilities

### Process Capabilities

- Investment Casting
- Lost Wax Casting
- Water Glass Casting
- Silica Sol Casting
- Resin Sand Casting
- Green Sand Casting
- Gravity Casting
- Die Casting
- Low Pressure Casting

### Secondary Machining

- Rough Machining
- Precision Machining
- CNC Machining
- Turning
- Milling
- Grinding
- Drilling

## Industrial Applications

### Core Industries

Mining • Automotive • Truck & Bus • Agriculture • Oil & Gas • Marine • Power Generation • Pipe Fittings