

# Silicon Carbide Centrifugal Pump Components

Silicon carbide ceramic components are designed for centrifugal pumps. These parts offer enhanced abrasion resistance, corrosion resistance, and extended service life compared to metal or rubber alternatives.



## ADDITIONAL IMAGES



## Product Overview

### High-Performance Silicon Carbide Components

These silicon carbide ceramic centrifugal pump components are engineered for superior abrasion and corrosion resistance in demanding industrial environments. Designed to be interchangeable with most slurry pump parts, they provide a significantly longer service life compared to traditional metal or rubber wet end components. These parts are ideal for chemical processing, wastewater treatment, and other applications handling aggressive or abrasive fluids.

## Manufacturing Capabilities

Foundry Capacity	600 tons/month
Maximum Single Piece Casting Weight	20 tons
Max Heat Treatment Furnace Dimensions	8 x 8 x 2.5 meters
Maximum Vertical Lathe Machining Diameter	7.8 m

## Technical Features

### Design Features

- Optimized blade geometry for enhanced hydraulic performance
- Interchangeable with most slurry pump components
- Precision-machined surfaces for optimal fluid flow
- Robust construction for prolonged service life

### Material Benefits

Abrasion Resistant, Corrosion Resistant, High-Temperature Stable, Chemically Inert