

# PENN UNITED CARBIDE

## FLUID HANDLING APPLICATIONS



### MANUFACTURING SOLUTIONS FOR YOUR CRITICAL - FUNCTION, HIGH WEAR APPLICATIONS

- Unique grades of material
- Tungsten carbide & silicon carbide
- Grade selection expertise
- Superior customer service
- Control of entire process - powder to finished product
- Design assistance to reduce manufacturing costs
- Industry leading short, reliable lead times

**Manufacturing Solutions. Absolute Integrity.**

196 Alwine Road, Saxonburg, PA 16056 - Phone: (724) 352-5151 Fax: (724) 352-4490 [www.pennunited.com](http://www.pennunited.com)

## MECHANICAL SEAL COMPONENTS

### Silicon Carbide and Tungsten Carbide

- High hardness, strength & thermal conductivity
- Low coefficient of thermal expansion
- Outstanding corrosion resistance
- Optimal hard-face materials for demanding fluid sealing applications



## GAS SEAL COMPONENTS

### Silicon Carbide and Tungsten Carbide

- Superior strength and stiffness
- Excellent reliability in high speed, high pressure applications
- Ideal for non-contacting dynamic seals in centrifugal pump and compressor service

## SEAL-LESS PUMP COMPONENTS

### Silicon Carbide

- Highest resistance to chemical attack
- Superior abrasive wear resistance
- Ideal for chemical processing applications such as magnetic drive and canned motor pumps



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