Are you tired of poor service and slow response for mechanical seal help?

We provide “down to earth” mechanical seal solutions, to fit your requirements at fair prices!

Please contact us:
White Mountain Process
sales@wmprocess.com
wmprocess.com | 800-737-9619
White Mountain Process

Mixer & Mechanical Seal Repair & Service

- Full Seal Repairs & Testing
- Sanitary Seals with USP VI and FDA Materials with Certs
- Double Seals with Liquid or Gas Barrier
- Seals with Debris Well for CIP and SIP - Aseptic Sealing
- Industrial/Sanitary Pump Seals

New Seals and Seal Repairs
- Mixer Seal Service
- We Test Run Each Mixer
- Bench Tests of Seals

Testing
- Failure Analysis
- CIP/SIP
- Repairs & Upgrades
- Seal Pressure Testing
- cGMP Documentation

W MP Repairs Any Seal Manufacturers Seals
- Seal Optimization for Better Cleaning
- CIP/SIP
- Less Downtime
- Call Us!

Reduce Cost and Increase MTBF

Tired of High Seal Prices & Long Delivery Times?

White Mountain Process

Mechanical Seals

- Top Entry Mixers
- Side Entry Blenders
- Bottom Mount Mixers
- Pumps
- Reactors

Any Seal ~ Call Us!

Sanitary Mechanical Seal with cGMP Debris Well
- Whisper Quiet
- CIP/SIP
- Repairs & Upgrades
- USP VI Seal Faces / O’Rings
- cGMP Documentation

Mechanical Seals for:
- Top Entry Mixers
- Side Entry Blenders
- Bottom Mount Mixers
- Pumps
- Reactors

Any Seal ~ Call Us!

Repair of Mechanical Seals:
for Mixers, Agitators, Reactors, Blenders, Dryers, Pumps, and Rotating Equipment FAST REPAIRS AND SERVICE

- Engineering Design Services Available
- No Cost Failure Analysis
- Lapping and Machining Services
- Pump/Mixer Shafts and Sleeves Reverse Engineered and Manufactured from your Existing Equipment
- All Materials Available

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We repair any mechanical seal and supply new seals to suit.
Failure Analysis

<table>
<thead>
<tr>
<th>Customer</th>
<th>Seal Manufacturer</th>
<th>Seal Model</th>
<th>Date</th>
<th>Shaft Size</th>
<th>Cartridge Seal</th>
<th>Component Seal</th>
<th>FA#</th>
<th>Standard Bore</th>
<th>Single Seal</th>
<th>Slotted Gland</th>
<th>Ref#s</th>
<th>Enlarged Bore</th>
<th>Double Seal</th>
<th>Drilled Bolt Holes</th>
</tr>
</thead>
</table>

**L.B. ROTARY FACE**
- Seal Ring □
  - Carbon □
  - Tungsten Carbide □
  - Silicon Carbide □
  - Ceramic □
  - Stainless Steel □
  - Ni-Resist □
- Insert □
  - Chip/Crack □
  - Broken □
  - Missing □
  - Heat Checked □
  - Worn □
  - Leached □
  - Irregular Wear □
  - Discored □
  - No wear □
- Re-lap □
- Replace □

**L.B. STATIONARY FACE**
- Seal Ring □
  - Carbon □
  - Tungsten Carbide □
  - Silicon Carbide □
  - Ceramic □
  - Stainless Steel □
  - Ni-Resist □
- Insert □
  - Chip/Crack □
  - Broken □
  - Missing □
  - Heat Checked □
  - Worn □
  - Leached □
  - Irregular Wear □
  - Discored □
  - No wear □
- Re-lap □
- Replace □

**O.B. ROTARY FACE**
- Seal Ring □
  - Carbon □
  - Tungsten Carbide □
  - Silicon Carbide □
  - Ceramic □
  - Stainless Steel □
  - Ni-Resist □
- Insert □
  - Chip/Crack □
  - Broken □
  - Missing □
  - Heat Checked □
  - Worn □
  - Leached □
  - Irregular Wear □
  - Discored □
  - No wear □
- Re-lap □
- Replace □

**O.B. STATIONARY FACE**
- Seal Ring □
  - Carbon □
  - Tungsten Carbide □
  - Silicon Carbide □
  - Ceramic □
  - Stainless Steel □
  - Ni-Resist □
- Insert □
  - Chip/Crack □
  - Broken □
  - Missing □
  - Heat Checked □
  - Worn □
  - Leached □
  - Irregular Wear □
  - Discored □
  - No wear □
- Re-lap □
- Replace □

**SEAL PARTS**
- Description □
  - Outer Gland □
  - Inner Gland □
  - Sleeve □
  - Collar □
  - IB Rot’y Retainer □
  - IB Stat’y Retainer □
  - OB Rot’y Retainer □
  - OB Stat’y Bellows □
  - Pumping Ring □
  - Anti-Rotation Pin/s □
- Polish □
- Repair □
- Replace □

**This seal most likely failed due to one or more of the following conditions:**
- See Notes □
  - Installation Issue □
  - Pump Issue □
  - Application Issue □
  - Axial Runout □
- Radial Runout □
- Lack of Product □
- Lack of Barrier Fluid □
- Chemical Attack □
- Vibration □
- High Pressure □
- High Temp □
- Product Erosion □
- Reached max seal life □
- Too damaged to conclude □

**NOTES/COMMENTS**

We are only able to determine an approximate mode of failure based on the seal and any information provided. If you have additional parts or information relevant to this seal failure we will be happy to review the information and make additional recommendations.