

FluidEfficiencySM Services

INDUSTRIAL CONSULTATIVE AND REPAIR SERVICES



 **CHESTERTON**
Global Solutions. Local Service.

FluidEfficiencySM

Part of A.W. Chesterton Company

Reduce Your Cost of Ownership

with FluidEfficiencySM Services



We offer expanded capabilities to support our customers with a broad range of equipment and component repair services. Incorporating industry knowledge and technical expertise supported with a field service team, we offer a one-stop shop for consultative and equipment repair services. Services include:

- On-site field services
- Mechanical seal repair
- Cylinder repair
- Pump repair and optimization
- High performance industrial coatings services
- Flange sealing and repair

FluidEfficiency Services helps reduce customers' total cost of equipment ownership through improvements in reliability, efficiency, and/or performance. Utilizing the Best Available Technology and Best Practices in servicing equipment results in optimized equipment performance.

INDUSTRIES SERVED:

- Water and Wastewater
- Buildings, Hospitals, and Universities
- Oil and Gas
- Pulp and Paper
- Food and Beverage
- Chemical Manufacturing
- Power
- Mining
- Pharmaceutical
- Manufacturing

On-Site Field Services

Our trained, certified technicians deliver a wide range of specialized field services that focus on safety and compliance. On-site services include:

- Pump repair, installation, and start-up
- Laser alignment for rotating equipment
- Mechanical seal and compression packing installation
- Flange sealing
- Installation of automatic lubrication systems
- Water Management Program
- Consulting and engineering services
- Vibration analysis
- Training
- Root cause failure analysis
- Equipment ownership package
- Shutdown/outage services



Pump and Rotating Equipment Repair and Optimization

Through engineered upgrades and technical support, FluidEfficiency Services helps to optimize pump performance, resulting in more efficient, reliable, and cost-effective operation, thus extending equipment mean time between repairs and improving pump performance.

Precision Repairs and Upgrades Include:

- Dynamic balancing
- Tight tolerance and precision fits
- Precision assembly
- Laser alignment
- Root cause failure analysis
- Industrial coatings to improve efficiency and protect against corrosion and erosion
- Bearing isolators
- Automatic grease dispensers
- Energy efficiency programs

High Performance Coating Services

We provide quality, all-inclusive metal and concrete coating systems with superior performance against erosion, corrosion, abrasion, and chemical attack that will protect against adverse conditions that may negatively impact equipment, components, and structures. Our turnkey industrial coating service includes:

- Industrial coatings—tank linings, pump linings, etc.
- Industrial and commercial floors—epoxy, urethane, grouts, etc.
- Shop or field installation
- Shot blasting and grinding to ICRI industry standards for concrete surface preparation and repair
- Abrasive blasting to NACE industry standards for metal surface preparation and repair
- Specification writing
- Consultative and engineering services



Mechanical Seal Repair

Our Certified Seal Repair Program provides Chesterton and other manufacturers' seals that are repaired to original equipment manufacturer specifications and restored to like new condition. Our full repair service includes:

- 24 hour quote turnaround on all standard Chesterton seals
- 4 day lead time on all standard Chesterton seals
- Guaranteed pricing on all standard seals
- Each seal is pressure or vacuum tested before packaging
- Seal failure analysis with report



Cylinder Repair

We offer a complete cylinder repair and optimization program that results in quality work to original specifications while improving your equipment performance through engineered upgrades.

Our cylinder precision upgrade program offers:

- Cylinder failure analysis
- Fabrication of rods and barrels
- Honing and polishing of cylinders
- High-strength, low friction rod seal increases seal life
- Rugged, high-strength wipers minimize contaminants from entering the cylinder
- Non-metallic, split replaceable bearings minimize scoring of the metal parts
- Bearing upgrade
- Pressure testing ensures integrity



Stationary Equipment Repair Services

We offer a wide array of services for a variety of stationary fluid handling equipment that help to increase their efficiency. From superior emissions and leakage control, to increasing equipment durability and reliability, FluidEfficiency Services offers engineering services to repair and upgrade equipment to increase operating efficiency.

Our stationary equipment repair service offers:

- Heat exchanger flange sealing
- Critical flange sealing
- Engineered bolting
- Valve sealing
- Valve repair
- Gaskets
- Live loading joints
- Gasket and packing installation
- Industrial coatings to improve durability of pipes, ducts, chutes, hoppers, chillers/heat exchangers

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