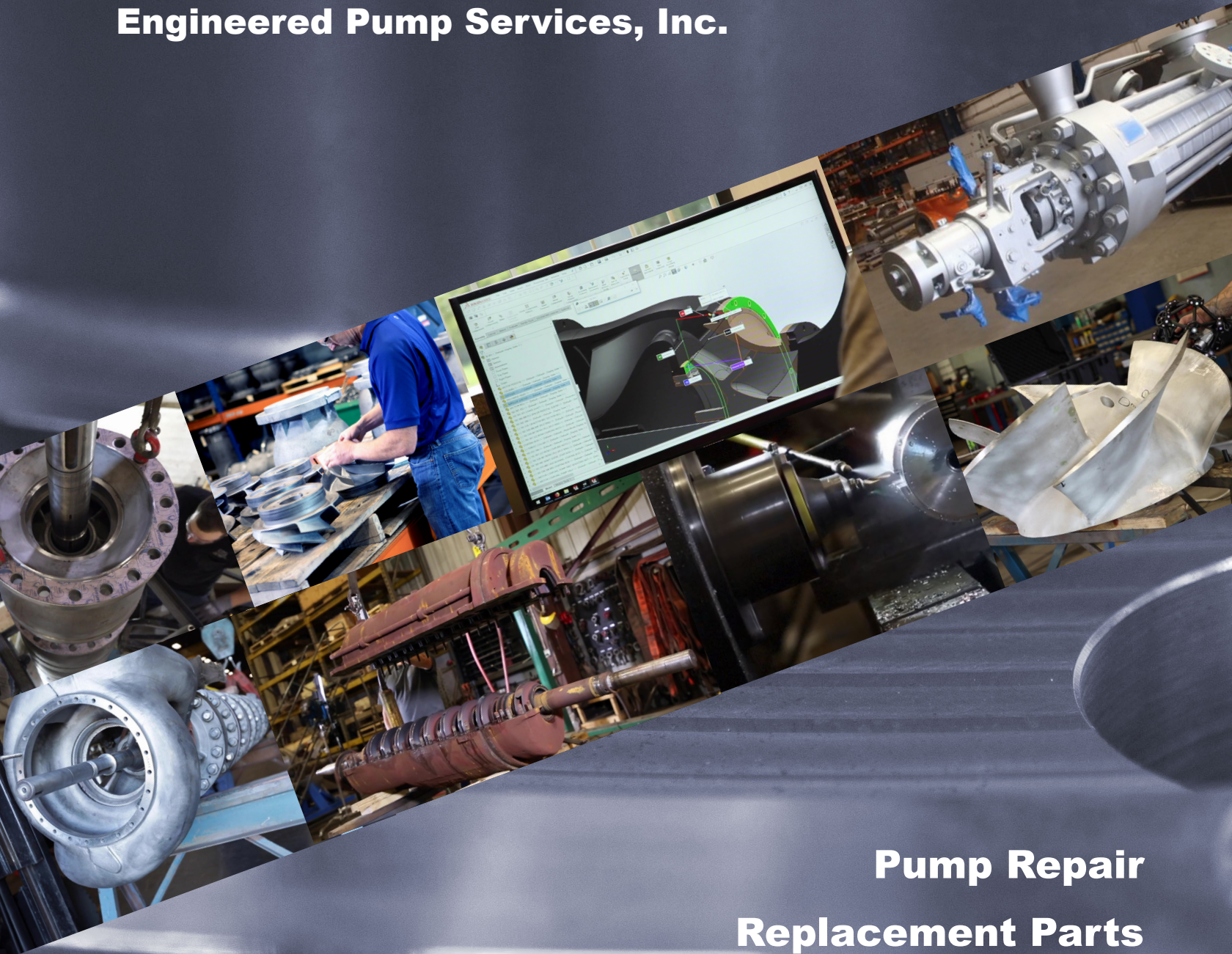




**Engineered Pump Services, Inc.**



**Pump Repair  
Replacement Parts  
Inspection Services  
Performance Evaluations  
Field Services & Engineering**



# About Us



## Reputation Matters

ENGINEERED PUMP SERVICES, INC. is an employee owned company founded in 1987 by a small group of Engineers. Since then we have celebrated continued success. Our leadership team doesn't sit behind a desk, they are in the field making a difference.

*“ We actually received pump early enough to install prior to our unit coming back. I have personally dealt with EPS for 12 plus years in a management position and our plant has been doing business with EPS for close to 30 years, we have a good working partnership. - Power Generation Customer ”*

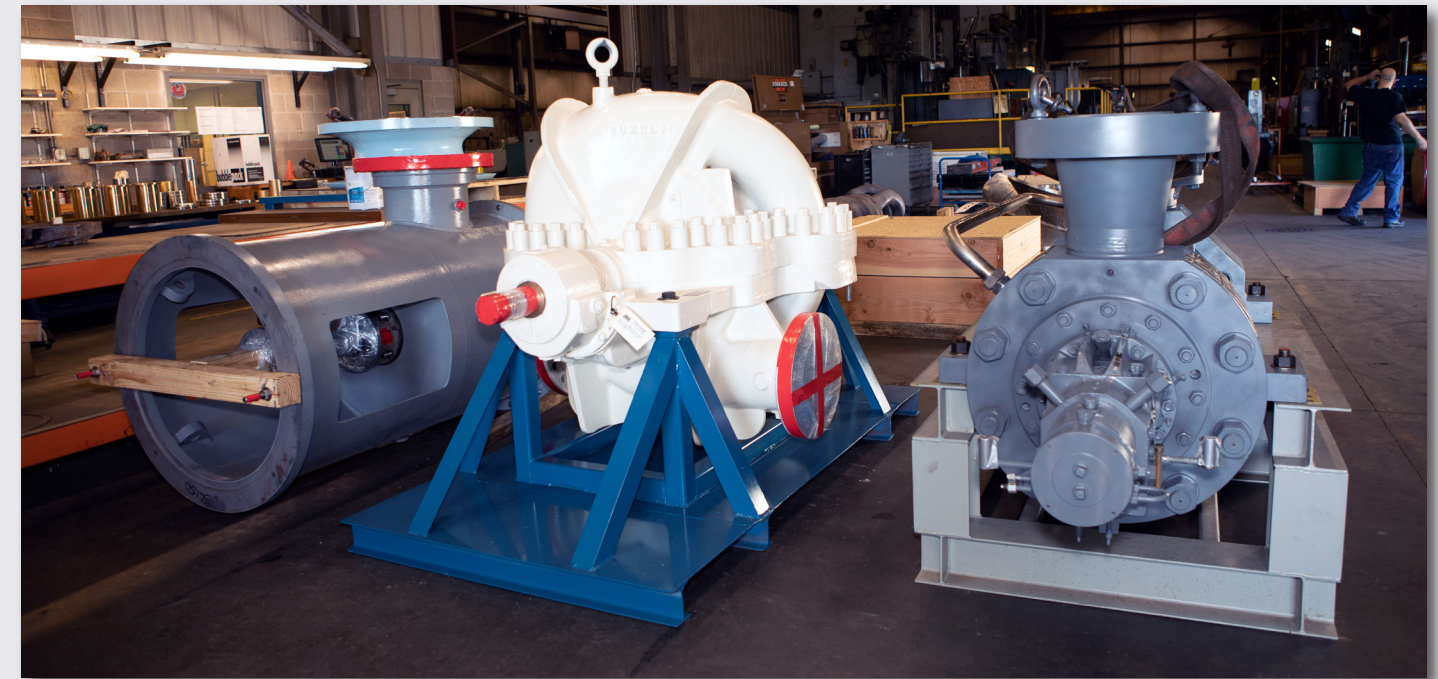
**MISSION**  
To help our customers **SUCCEED** by being even better than we were yesterday.

**Vision**  
To be the most **TRUSTED** service provider in the industry.



- RELATIONSHIP**  
Communication, Collaboration, & Caring
- OWNERSHIP**  
Taking Pride in a Job Well Done
- OPTIMISTIC**  
Can Do Attitude
- TRUSTWORTHY**  
Being Honest & Reliable
- EXCELLENCE**  
Quality Experience Innovation
- DEDICATED**  
Fully Committed

# We Have The Experience



## Industries Served:

- Power Generation
- Municipal Power, Water & Wastewater
- Steel Mills
- Pulp & Paper
- Mining & Coal Fields
- Refineries
- Refined Product Pipelines
- Chemical & Processing Plants

## Major Brands Serviced:

- Allis Chalmers
- Buffalo
- Byron Jackson
- C.H. Wheeler
- DeLaval
- Ebara
- Fairbanks-Morse
- Floway
- Flowserve
- Foster-Wheeler
- Goulds
- Ingersoll Rand
- Truflow
- Johnson
- KSB
- Layne
- Pacific
- Peerless
- Patterson
- Sulzer
- Tankaflo
- Union
- Weir
- Westinghouse
- Worthington

## Top Pump Types Serviced:

- #1 Boiler Feed Pumps
- #2 Large Vertical Circ. Pumps
- #3 Condensate Pumps
- #4 Descale Pumps
- #5 Balance of Plant

*“ EPS does more than replace parts. The shop ensures that the refurbished parts are as good or better than new. I feel that they understand pumps better than other repair facilities. The sales and service personnel understand the project at the engineering level and can answer technical questions, not just refer the question to someone else. Our local personnel are very easy to work with and are completely proficient with details of the job. - Power Generation Customer ”*



# Turn-Key Services

**ENGINEERED PUMP SERVICES, INC.** is proud to be a one stop shop for specialized and quality pump services:

### Performance Evaluation

- On site performance testing
- Mechanical and Hydraulic Consulting
- Vibration analysis
- Failure mode analysis
- Performance and Flow analysis

### Shop Inspection

- Firm price quotes
- Glass bead or aluminum oxide blast cleaning
- Magnetic particle examinations
- Dye penetrant examinations
- Ultrasonic & X-Ray examinations
- Full dimensional examinations and correlations
- Comprehensive inspection reports
- Complete photographic records

### Engineering

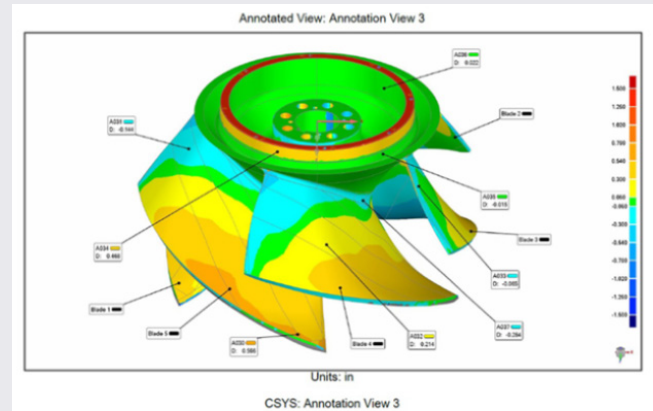
- Direct engineering support
- State of the art technology
- Reverse engineering
- Design upgrades
- Life extension studies
- Project management

### Manufacturing & Repair

- ASME/AWS welding to qualified procedures
- Full machining capabilities
- Replacement parts manufacturing
- Pattern equipment and castings
- Dynamic balancing
- Vertical assembly of pumps
- Comprehensive closing reports
- Standard one year warranty
- Quality Assurance

### Field Service Assistance

- Experienced field service technicians
- 24 / 7 / 365 availability
- Fully documented field reports
- Tools and tool boxes
- Labor and Technical experts
- Laser alignment services



# Technological Difference

**ENGINEERED PUMP SERVICES, INC.** provides scanning, modeling, and analysis technologies to ensure the most timely, complete, and precise services possible.

### Creaform MetraSCAN 3D

- Quick 3D Model Generation
- Accuracy up to 0.0012 inches
- Part-to-CAD Analysis
- Historical Part Inventory (Catalog of Prints)
- Obsolete Parts Manufacturing
- Part modification
- Higher level of quality assurance
- Capable of scanning any type of material
- Portable design allows for on-site service
- Capable of modeling even the largest equipment

### Material Analysis Equipment

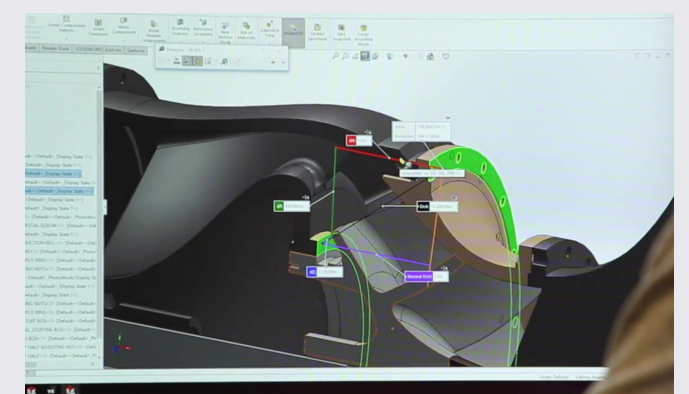
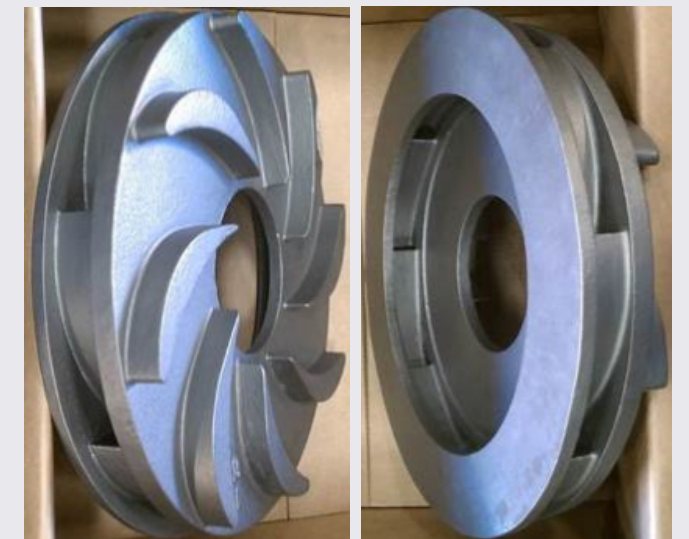
- XRF Handheld Material Analyzer
- Weld bead analyzing capable
- On-Site Element Analysis
- Understanding the Metallurgical needs for specific pumps parts
- Upgrading metals to perform better in changing conditions

### Advanced Aftermarket Solutions

- Modifying parts to meet existing conditions
- Material upgrade for higher performance and longer run times
- Have your parts made by professionals that are pump experts
- Stellite, Nitrite, Chrome & Laser cladding modifications

### Quality Control & Quality Assurance

- 3D CAD Systems (Solid Works)
- Partnered with Creaform; parts can be tested and manufactured at a high level of quality and precision
- E2 Production Software
- All materials certified through traceable documentation





# Pump Focused Repair Shop

# Repair Shop Capabilities



### Custom Built Facility

Established in 1996 | Over 38,000 sq. ft. of operating floor space | Located 20 miles SW of Milwaukee, WI

**Engineered Pump Services Inc.** has customized our pump shop from the ground up. We have created multiple specialty stations that cater specifically to the many needs of different pump types. We have the equipment and personnel to tackle any pump repair. EPS has also invested in NEW machinery that will get the job done with the highest level of quality and efficiency.

### Clean Repair Shop



### Machining Bay

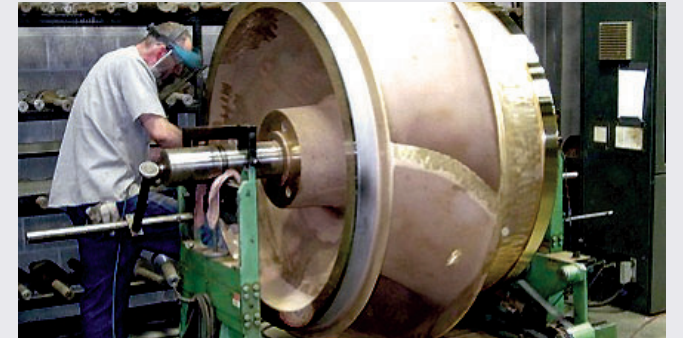


### Main Erecting Bay



**Engineered Pump Services Inc.** has the repair capabilities and technical expertise to complete the vast majority of your manufacturing requirements in house. We use trusted local alliance vendors for specialty products and services.

- Manual turning up to 33" Swing and 312" Length
- Vertical Boring up to 129" Swing and 87" Tall
- Boring bar capabilities to 108"(x); 84"(y); 84"(z)
- CNC vertical boring, 66% improved efficiency
- CNC lathes and mills, 50% improved efficiency
- GMAW, SMAW and TIG welding to EPS qualified procedures
- Two assembly pits dedicated to boiler feed pumps
- Three assembly stations for split case pumps
- Two stations for larger vertical pump assembly, with a maximum of 39' under hook and crane.
- Specifically designed 5, 10 and 15 ton overhead cranes
- Lifting capabilities of 40+ tons for assembled pumps
- Three 1 ton jib cranes allow for simultaneous assembly of several pumps
- Hard bearing dynamic balancing up to 6,500 lbs / 20'L
- Blast Media Cleaning to 24' x 14' x 10' tall
- Two solvent tank parts washers
- Automated heated parts washer/Airless coating system for enamel and epoxy coatings
- Large storage area to ensure all finished parts remain clean until they are ready for assembly



### Alliance Capabilities

- Qualified NDT specialists in MPI, UT, & dye penetrant
- Chrome plating and grinding services
- Laser cladding; metalizing coatings
- Babbiting services for journal bearing repairs
- Hard, graphite and rubber bearing resources
- Mechanical seal components for seal rebuilds
- Pattern makers for sand & investment castings
- Local stainless and bronze foundries
- Local material warehouses for quick access
- Fabrication and material forming support
- Blanchard grinding, EDM and water jet cutting
- Additional support for line boring & large turning
- Metal stitching for large cast iron repairs
- Trucking brokers for onsite pickup and delivery
- Advanced vibration consultation
- Field machining, welding, and HT



**WE GUARANTEE** our dedication to quality pump repair and superior customer service; backed by our industry leading warranty on all parts and workmanship.

Our knowledgeable assemblers and machinists as well as onsite engineers ensure we will continue to serve our customers at the high level they expect.

Whatever your pump need may be, Engineered Pump Services, Inc. is here to help!



**ENGINEERED PUMP SERVICES, INC.**  
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