PARTS AND SERVICES

Single source provider for all your needs
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Relax, we have you covered

Your Single Source Provider

When it comes to maintaining your boiler’s efficiency, Clyde Industries provides you with a full range of services from supply of spare parts, installation, commissioning, training of service personnel, up to providing consulting services for optimization and modernization of on-load boiler cleaning systems.

Clyde Industries’s experience is unmatched as we have provided boiler cleaning solutions for over 60 years. We have worked with over 1400 power and recovery boiler operators throughout North America helping them achieve optimal boiler performance.

We provide a complete service covering the entire lifespan of cleaning equipment helping you streamline your procurement process. Our services are completely flexible and customized to your specific needs. Whether it be a simple part replacement order or a vendor managed inventory program, we have you covered.

Safety First

Safety is our number one priority and we take every measure to maintain our certifications and personnel training.

All of our service consultants possess the following certifications and training:
- Transportation Workers Identification Credential (TWIC)
- DISA Certification
- MICCS/Coats Cards
- OSHA 10 Safety Trained
- Basic Plus Cards from HASC or ARSC equivalent
- NCCCO Rigging Certified Level 1 & 2

Current safety programs Clyde Industries is registered with include: ISNetworld, PICS, and Browz.

Our 3 year average EMR is 0.75, OSHA 3 year average of LWDIR is 0.00, with the TIR being 1.47, which is below the industry average of 1.8.
Our headquarters and main manufacturing facilities are located in Atlanta, Georgia.

Our Aftermarket Service Group’s dedicated personnel will support all maintenance, repair and replacement part needs for your boiler. This highly dedicated team delivers professional and friendly assistance with a sense of urgency.

We carry an impressive inventory of on hand parts in our Atlanta headquarters. Made to order parts such as lances and feedtubes can be shipped within a short time frame in emergency situations. We maintain a toll free customer service hotline for your convenience.

You can depend on our prompt supply of spare parts in the case of unplanned shutdowns. In any case, our 24-hour hotline and comprehensive spare-parts warehouse guarantee the very best conditions to make help available – quickly.

Easily accessible to you
Support right from the start...

Customer Success Story

Clyde Industries recently finished a first year contract with a major pulp and paper supplier in the United States. The contract was based on Total Cost of Ownership (TCO) reduction, based on the yearly sales of sootblower parts. Clyde Industries had to achieve a TCO of at least 7.5% to renew the contract on a yearly basis.

TCO reduction includes inventory management, energy savings, new technology implementation, process improvements, product standardization, and employee training.

The supplier had all the paper mills fully engaged in the contract after seeing the benefits of working with Clyde Industries in reducing TCO. At the end of the first year Clyde Industries identified an excess of 54% of the TCO goal with the excess TCO transferring into the second year.

TCO of a supply stream is the total sum of all the costs associated with every activity in the life cycle of a product or service. Clyde Industries is able to reduce TCO through the following:

- Consignment
- Committed inventory
- Vendor Managed inventory
- Energy savings
- New technology implementation that reduces costs or improves processes
- Product design and reengineering
- Extended product life
- Product standardization
- Repair vs replace savings
- Employee training
- Productivity programs
- Critical and Long Lead items on site
- Minimizing capital investment on spares (on average 30-35%)
- Firm pricing on sootblower parts tied to a Producer Price Index
- 353 blankets in place
- 25% of savings through procurement cost reductions
- Provide parts for all three sootblower manufacturers
- OEM for Clyde Industries and Copes, provider of Diamond Power replacement parts
- Inventory Optimization to achieve maximum availability of parts
- Looking at historical usage trends
- Supplier/Buyer data exchange
- 353 blankets in place
- Savings greater than 35%
- Full factory operational warranty
- Repair/rebuild of major sootblower assemblies
- Fixed Price Term Agreement
- Parts Supply
- Component Exchange Program
- Total Cost of Ownership
- Vendor Managed Inventory
- Consignment Program
...and throughout the entire lifespan of on-load boiler cleaning equipment

Customer Success Story

A large US utility reduced maintenance staff at their coal fired power plants resulting in the availability of their boiler cleaning systems dropping below acceptable levels to around 75%. Recognizing the impact boiler cleaning had on unit operation, they contracted Clyde Industries to perform evaluation and maintenance on their equipment. Availability is now greater than 96%. Clyde Industries now has a dedicated staff at four plants, nine units performing preventative and corrective maintenance on 954 sootblowers, water cannons, and associated equipment to insure optimal performance. The units range in size from 500 to 800 MWs and burn Texas lignite and PRB coals.

Clyde Industries performs walk downs and develops proposals to improve equipment availability, reliability, and improve efficiency. In addition, the team sets up appropriate spare parts levels for the client to insure parts are available when needed, and also monitors boiler performance as it is related to boiler cleaning equipment, providing monthly reports to demonstrate unit performance improvements.

Service Programs

- Full time project manager and staff for all operational work
- Fixed price - provide everything
- Equipment availability guarantee
- Provide material, instruction, and service
- Management reporting
- Contractor coordination
- Single point of contact
- Provide expertise
- Instruction for customer service team
- Service Supervision
- Inspections/Walkdowns
- Sootblower Availability
- Preventative Maintenance
- Periodic inspection and service
- Operational adjustments
- Service team available throughout U.S.
- All makes and models
- Cover operational, maintenance, parts, mechanical, and electrical training
- Performance Optimization
- Visit each plant and identify sootblower equipment
- Additional information and customer-specific parts gathered
- Meet key members at the plant involved with sootblowers
ANSWERS TO YOUR IK PROBLEMS

Diamond Parts

Unlike replicators, who produce only a few high usage items, only Clyde Industries offers thousands of interchangeable sootblower parts including castings, gears, shafts, bearings, seals, gaskets, bolts, nuts, and an array of other less frequently used parts for both our own Original Equipment Manufacturer (OEM) equipment and for Diamond Power IK blowers.*

As an OEM we offer more than simply parts; we have created real solutions to some of the most common problems encountered with the IK blowers. Our solutions cover specific problem areas on the IK blower all the way to complete sootblower replacement.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Answer</th>
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<tbody>
<tr>
<td>Worn out IK525/IK545 sootblower</td>
<td>Heavy duty galvanized housing</td>
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<tr>
<td>Scratched feedtubes</td>
<td>Clyde Industries Armor Glide feedtubes</td>
</tr>
<tr>
<td>Blowing pressure adjustments</td>
<td>Clyde Industries EZ Set Poppet Valves</td>
</tr>
<tr>
<td>Expanda cable cord</td>
<td>Clyde Industries P-chain conversion</td>
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Copes Vulcan Parts
Clyde Industries acquired Copes Vulcan sootblowers in 1997 becoming the OEM supporting every single sootblower model with parts and service. Throughout time Clyde Industries has designed parts kits to support customers with assembly rebuilds with top of the line components. Clyde Industries employs a large number of engineers and customer service personnel with a vast amount of experience and knowledge in Copes Vulcan equipment.

Clyde Industries Parts
We are the OEM for Clyde Industries sootblowers, a sootblower designed around the needs of the utility and pulp and paper industry. In all our warehouses we stock a large volume of parts to support our customers when parts are needed for outages or in other emergency situations.

Clyde Industries is also the OEM for water cannon cleaning equipment, supporting every water cannon model with parts and service. We also carry a large volume of parts from Germany critical to the continuous operation of the water cannons.
To learn more, contact Clyde Industries Sales at 770-557-3600 or email info@clyde-industries.com.