

**VALVTECHNOLOGIES**



**Global Service Capabilities**



## At Your Service.

ValvTechnologies is committed to helping our global network of customers maintain peak valve performance. With certified service centers located around the world, we are prepared to address your valve and actuator repairs, 24 hours a day, 7 days a week.

While the ValvTechnologies' Service department is headquartered locally in Houston, TX, its capabilities extend globally. With more than 25 certified service centers strategically located around the world, we can address virtually any service and repair challenge that may arise.

ValvTechnologies' experienced, factory-trained field service engineers and technicians can troubleshoot, diagnose and repair valve and actuator-related problems not only in ValvTechnologies products, but most other manufactures' products as well. In addition, we provide other field services such as actuator maintenance and leak detection via our ValvPerformance Testing™ Program.

With nearly 30 years experience, ValvTechnologies has not only designed the world's best high-performance valves, they also developed a system of service that maintains the performance and value of your investment, reducing total cost of ownership. Our range of services includes complete factory repairs in-house or on-site as well as extensive stock of all maintenance and repair parts. Our proprietary in-house ball and seat coating repairs as well as our large inventory allows the ValvTechnologies' service team to respond quickly to our customer's needs and ensure the performance and value of their severe service valve investment.



# The OEM Advantage.

## OEM in-house service

ValvTechnologies' service engineers and technicians are factory trained to handle all of your valve and actuator repair needs. Whether it is a planned repair or an unexpected emergency, our team is prepared to evaluate the challenge and determine the best course of action to get your business back in service in a timely manner.

ValvTechnologies is equipped with a 6,500 square foot repair facility with 10 ton, five-ton bridge cranes plus two-ton area jib cranes. Service is supported by CNC ball grinders, HVOF RiTech™ coating, weld shop, CNC lathes, VTls, mills, etc.

Our core in-house services include:

- Factory trained, certified technicians with extensive experience
- Extensive component parts inventory to support the wide range of products to ensure quick turn-around
- Valve and component repairs and complete reconditioning
- Actuation repairs and complete reconditioning including (but not limited to) Bettis, ValvXpress®, Shafer, Auma, Rotork, Limatorque
- Plant shutdown planning and implementation to ensure we have what you need, when you need it
- Routine preventative maintenance
- Valve repacking and testing
- Valve asset management
- OEM evaluation with root cause investigation
- Fugitive emissions upgrades

## On-site Field Service

For customers planning an extensive start-up, turnaround or shutdown or just need additional personnel during critical projects, ValvTechnologies' service organization can arrange a team of OEM certified service technicians to assist with any field repair or maintenance or commissioning or repair, anywhere in the world.

Our highly-skilled team can make most valve and actuator repairs and modifications on site, even when extensive overhauls are necessary.

Our core on-site services include:

- Valve and component repairs and complete reconditioning
- New valve installation oversight and commissioning
- ValvPerformance Testing™ and diagnostics
- Field service repair with certified factory trained technicians using OEM parts
- Field walk-down to help users with outage / turn around planning
- Field-installed retrofits and modifications
- Troubleshooting
- Preventative maintenance training
- On-site product training

# OEM Service Subsidiaries.

## Portersville PRD

Portersville PRD is a certified valve service and repair facility and leading provider of highly engineered, safety critical valves and related products and solutions for the power, oil and gas industries. With facilities in New Castle, Pennsylvania; Tallmadge, South Point Ohio and Rochester New York, Portersville PRD is recognized for its engineering and technical expertise and focus on solving the most difficult industry challenges.

Portersville PRD equipment includes:

- 50,000 square feet for service facility fully equipped to support your repair needs
- Shop areas boast impressive overhead crane coverage
- Full machine shop with lathes, mills, vertical and horizontal boring mills
- Valve test facilities (hydrostatic, air, shell)
- Inline and shop weld repair
- Inline machining
- VR certification
- Steam boiler to test safety valves per code requirements. Certifications include R, NB, VR, UV, V
- Safety valve shop - testing capabilities include:
  - Air - up to 10" and 6100 psi
  - Steam - up to 10" and 1400 psi
  - Liquid - up to 17,400 psi

## ValvTechnologies Limited India

ValvTechnologies India assembles and repairs ValvTechnologies products as well as supports the company's global sourcing initiatives, including on-site vendor selection and product inspection.

## ValvTechnologies Europe

Specializing in severe service applications, ValvTechnologies' valves are supplied with up to four years zero leakage warranty for power applications. ValvTechnologies Europe holds Europe's largest stock of ValvTechnologies' valves, which are available with 24 hour turnaround. ValvTechnologies Europe is also the only approved service and aftersales provider for ValvTechnologies' products in Europe.

## Celtex Industries

Celtex Industries is an industrial distributor for valves and valve automation located in White Oak, Texas. Products include manual and automated valves, electric and pneumatic actuators and accessories from the leading manufacturers in their industries.

All valve automation, including mounting hardware fabrication, assembly and testing, is done in house by experienced technicians. The knowledgeable sales staff works directly with customers to understand their needs and is dedicated to offering the best customer service available.

## Certified Service Centers

ValvTechnologies global network of certified service centers ensures our customers have access to the factory-trained technicians around the globe who can quickly provide the services you need. Technicians have been trained by ValvTechnologies in Houston and are committed to being there when you need it.

To find a service center near you visit [www.valv.com/authorized-service-centers](http://www.valv.com/authorized-service-centers).







## Spare Parts.

The service team supports maintenance / repair parts sales for both current and out of production designs of the product offering. Many current production parts can ship in a matter of a few days as a result of the extensive inventory for various valve types that is maintained at our Houston headquarters. The team of service coordinators and service engineers will assist you getting the parts identified and supplied to meet your maintenance / repair needs.

### Benefits:

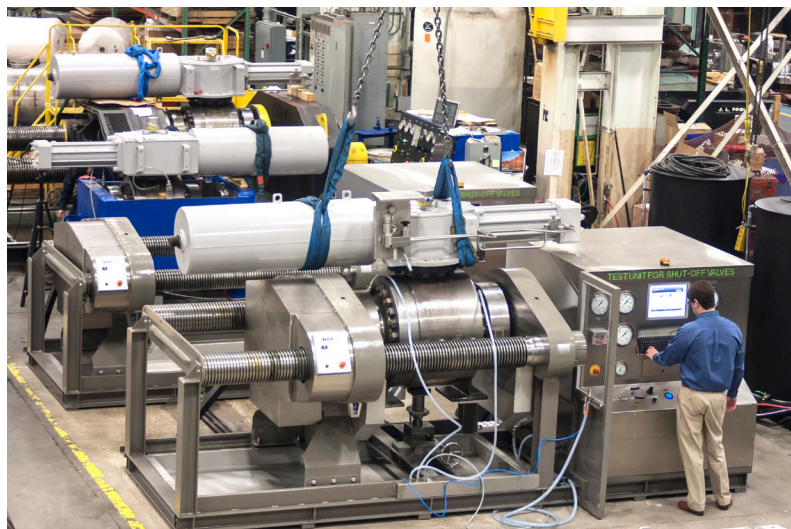
- Shorter or reduced outage schedules
- Allows for service of older model valves
- OEM Certified parts to OEM Specifications

## Testing

Valves repaired in our facility are fully tested per OEM requirements. Testing capabilities range from 3/8" to 36".

### Benefits:

- Accurately validate the quality of the repair
- Comprehensive test report
- Reduced downtime with on-site high pressure testing equipment
- Testing capabilities for all valve components, actuator and instruments



## Grinding

State-of-the-art ball grinders are used to precision-grind balls to OEM specifications. Grinding capabilities range from 2" to 43" outside diameter OD.

### Benefits:

- Hold tighter tolerances
- Improved surface preparation
- Reduce repair cycle time
- In-house benefits to meet OEM specifications



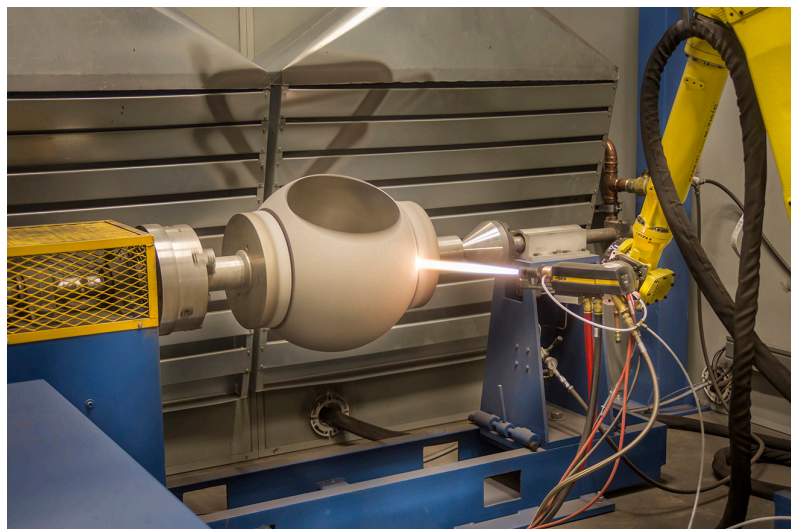
# HVOF RiTech™

ValvTechnologies' HVOF RiTech™ thermal spray coating process increases the performance and operating life of ValvTechnologies' products which are subject to severe service conditions by increasing erosion resistance, wear resistance and abrasion/corrosion protection. ValvTechnologies has developed a proprietary compressive spray technique which results in significantly higher bond strength and will better be able to control the quality of our process, reduce costs and improve lead times providing our customers with faster turnaround, a longer-lasting product, cost savings and higher bond strengths in the form of compressive coatings.

ValvTechnologies leads the industry with our unparalleled in-house coating capabilities. By continually improving and upgrading equipment ValvTechnologies' ensures our products are manufactured to the highest level of quality and reliability as required not only by ValvTechnologies, but each industry we serve and our highly-valued customers. Additionally, this investment in new technology, machines and staff allows us the unmatched capability of bringing HVOF entirely in-house, thus reducing lead times and significantly increasing quality. This commitment to improvement allows us to build firm partnerships with customers and confidently meet their requirements on time and within budget.

## Benefits:

- Improved quality
- Abrasion/corrosion protection
- Improved wear resistance
- Improved performance
- Ability for components to operate in higher and/or lower temperatures
- Ability to operate in the most severe service applications
- Improve efficiency



# Welding

ValvTechnologies leads the industry with our unparalleled in-house welding capabilities. Our extensive in-house welding capabilities include six new state-of-the-art machines dedicated to the welding process, an Arc-5 cladding machine and five Fronius cladders. The company employs more than 20 welders, has provided hundreds of hours of training and developed leading edge procedures that have been proven to work exceptionally well over the last several years of our experience.

## Total welding facility capabilities

- Three (3) Sub-Arc cladding
- Five (5) Fronius Advance auto-cladding compact cladding dells
- Arc-5 cladding
- Fronius cold metal transfer GMAW station with 72" positioner / hot wire GTAW Cladding (has dual power sources can be used for either)
- Multiple welding stations with positioners
- MIG, TIG, FLUX-CORE capabilities



# ValvPerformance Testing™

## Innovative Cycle Isolation Measurement

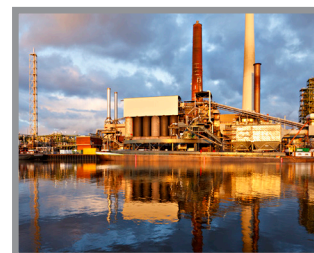
The ValvTechnologies ValvPerformance Testing™ program utilizes next generation acoustic monitoring instruments to help customers monitor valve performance. These tools allow predictive and preventative maintenance programs to be fine tuned for very large or very small valve populations. Providing cycle isolation services can be as simple as performing a valve survey, or as comprehensive as the management of all valve work during your next outage – from erecting scaffolds to repairing, installing, welding and stress relieving.



### Program Highlights:

- 1-4% in plant system efficiency increase
- Best-in-class valve leakage diagnostics
- Predictive maintenance savings vs. scheduled maintenance activities
- Overall reduction in maintenance costs
- Target only high-value, fast-payback repairs and replacements
- Ease of execution
- Fast results with minimum effort
- Non-intrusive to plant operations





## Worldwide Office Locations

### Headquarters & Manufacturing

ValvTechnologies, Inc.  
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