



TEXAS COMPRESSION

Mechanical & Industrial Services

713-290-0202

www.TexasCompression.com

SERVICE & PRODUCT LINE BROCHURE



About Us

About Us

Texas Compression, LLC is a Houston-based mechanical and industrial services contractor offering a complete range of professional and technical services. Our mission is to safely deliver the highest level of service and premium products maximizing the uptime of critical process equipment. With more than 30 years' experience working in the energy industry, we guarantee we will safely complete your project and exceed your expectations. Texas Compression specializes in situations where safety, quality and reliability are a priority.

Safety

Texas Compression's objective is "Goal Zero." We operate an effective and structured safety management program fully capable of meeting all statutory obligations and company safety objectives. These objectives include the health and safety of its employees, our customers, the general public and the environment. Texas Compression will meet this obligation by ensuring all employees with specific health and safety responsibilities will be given the resources, training and authority necessary to enable them to fulfill their obligations.



Mechanical Services



Equipment Serviced:

- Compressors
- Turbines
- Pumps
- Engines
- Gearboxes
- Generators
- Auxiliary Equipment

Texas Compression understands that when equipment goes offline the result is a loss in product, production and profit. We provide the highest level of service combined with rapid response to support the ever-changing needs of our customers. We are available with around the clock service and 24/7/365 for call-outs. Our service group is comprised of experienced managers and technicians who pride themselves on safety, quality and craftsmanship. Allow Texas Compression to provide day-to-day maintenance and mechanical services as well as turnaround and outage support returning assets online and maximizing uptime.

- Turbine installation and maintenance
- Compressor installation and maintenance
- Rotating & reciprocating equipment services
- Major / minor overhauls and repair
- Turn-around and outage support
- Balance of plant services (BOP)
- Equipment grouting
- Technical bolting
- Alignments

Abrasive Blasting and Industrial Coating

Coating is the first line of defense against corrosion. Texas Compression offers a wide variety of industrial and specialty coating solutions to meet your specific needs. Different industrial substrates and environmental conditions require different coatings and procedures. We have professionally trained coating inspectors and technicians able to assess and prepare a coating specification, prepare the substrate, apply coatings per the specification and document all supporting actions required by the specification. With Texas Compression, you can be confident that you are receiving the most cost-effective solution applied with the highest level of quality to ensure your assets are properly protected from corrosion.



- Coating inspection
- Abrasive blasting and coating
- Specialty tank and vessel liners
- Secondary containment liners
- Rapid cure polyurea systems
- High temperature applications
- Soil-Air interface inspection and repair
- Intumescent fireproofing and insulation

Composite Repair and Rehabilitation



Texas Compression understands the importance of maintaining assets while eliminating down-time. In doing so, we offer a prompt, reliable and cost-effective solution to keep your facility or pipeline online and in production. Texas Compression offers HydraWrap®, a nonmetallic chemical and corrosion resistant structural repair, comprised of high performance epoxies and custom-made carbon fiber fabric. HydraWrap® offers a long term, flexible alternative to welded sleeves or pipe replacement and complies with ASME and DOT standards. HydraWrap® can be applied to the exterior of a pipe as a wrap or to the interior as a liner. In addition to pipe, HydraWrap® may be used to extend the life of tanks, vessels and various other structures.

- Complies with ASME PCC-2 Article 4.1 & 4.2
- Complies with DOT 49CFR 192 & 195
- Restores assets to original design specifications
- Repairs corroded or mechanically damaged assets
- Chemical and corrosion resistant polymers
- Fast cure, low cost and long-term solution
- 100% volume solids epoxies (No VOC's)

Online Leak Repair

Texas Compression understands the challenges associated with on-line leak repair and the importance of environmental compliance. We provide a cost effective, engineered solution to keep your facility online and in compliance. We understand the cost associated with unscheduled plant shutdowns as well as the risk associated with employee health, safety and environmental compliance. Our technicians are highly trained professionals capable of assessing the situation and making the appropriate recommendations. Texas Compression designs, fabricates and installs leak repair devices. Texas Compression is available for emergency call-outs and offers around the clock service to meet our clients ever changing needs.

- Drill & Taps
- Wire wraps
- Flange clamps & enclosures
- Operable valve enclosures
- Flange management program
- Technical bolting and torquing
- Tank roof & chime seal repair



Concrete and Masonry Repair



As part of our mechanical and industrial services portfolio, Texas Compression offers a complete line of concrete and masonry repair services to help maintain your facility and infrastructure. We will repair concrete piping, equipment foundations, containment walls and various other concrete structures. In addition to repairs, Texas Compression provides new construction services including equipment foundations, containment walls, flatwork and grouting services. Allow us to help you achieve peak performance and extend the service life of your rotating and reciprocating equipment.

- Secondary containment repairs and overlays
- Injectable grout and epoxy based crack sealing
- Cement, epoxy and chemical resistant grout
- Equipment and structural grouting
- Polyurea spray applied liners
- Expansion joint repair
- Hydra-Tite mechanical seals installed

Bolting, Torquing & Tensioning

New construction, repairs and modifications to assets are only as reliable as the bolting that holds it all together. As part of a comprehensive mechanical and industrial services program, Texas Compression provides technical bolting and torquing services. We utilize both hydraulic bolting systems as well as bolt tensioning systems depending on your specific needs and requirements. Our tensioning systems allow gaskets to be compressed evenly and more precisely by applying even pressure across the sealing surface and provides accurate torque by eliminating torque loss due to friction. Allow Texas Compression to provide service for all of your upcoming bolting and torquing needs.



- Inspection and preparation of sealing surfaces
- Alignment of joints and sealing surfaces
- Cleaning and preparation of bolting
- Proper selection of gasket material
- Procedures and specifications
- Field machining services
- QA / QC program

Robotic Video Inspection



Texas Compression has the ability to inspect piping systems and storm drains without entry into a confined space. We do this by using robotic crawlers equipped with HD video cameras and DVR system. This allows us to visually inspect your assets for abnormalities that could result in an environmental release or process contamination. Our professionally trained technicians are able to perform these inspections on a variety of structures, including but not limited to, piping systems, water and wastewater systems, storm sewer systems, culverts, vessels, and electrical conduit.

- Suitable for hazardous environments
- Identify soil and root infiltration
- Identify corrosion and internal erosion
- Identify points of separation or misalignment
- Identify structural deficiencies and potential points of failure

Facility and Right of Way Maintenance

Texas Compression offers facility and right of way maintenance services to our customers. We understand that maintenance is performed for more than appearance purposes; it is a function of safety and security for the facility, land owners, neighbors, and community. At Texas Compression, we provide high quality, professional services at competitive pricing. All of our equipment operators are OQ certified and safety trained. We service plants, utility and pipeline right of ways as well as private roadways and railways. Allow Texas Compression to review and quote any upcoming projects you may have.



Equipment we utilize:

- Kubota M Series tractor with wench
- Rhino 15' Flex-Wing rotary cutter
- Rhino 8' heavy duty rotary cutter
- Kubota side by side utility vehicle
- Kubota & Toro Zero-Turn mowers
- Kubota & Toro Mowers

Valve Sales, Installation and Repair



As part of a comprehensive mechanical and industrial services portfolio, Texas Compression offers valve sales, installation and repair to our customers. Our Texas based warehouse stocks valves from more than a dozen manufactures listed below. In addition to manually controlled valves, we offer motor operated valves (MOV's) and actuators. Our field service technicians will remove and reinstall valves, motor operated valves and actuators, select and install correct gaskets and properly torque bolting, test valve operation and DCS control. Our technicians can also perform repairs in the field by repacking offline valves or by performing a drill and taps for on-line valves.

New Valve Types:

- Gate
- Globe
- Check
- Ball
- Butterfly
- Plug

New Valve Manufacturers:

- Bonney Forge
- KITZ
- P.B.V.
- Sharpe Valves
- WALWORTH
- Others manufactures available upon request
- Crane
- NEWCO
- Powell Valves
- SMITH Valve
- Warren Valve
- DSI
- Neway
- Quadrant
- Velan
- W-K-M

HydraWrap Composite Repair System



The HydraWrap® Fiber Reinforced Polymer System provides a nonmetallic chemical and corrosion resistant structural repair to damaged or degraded pipes (thin-wall and through-wall). The HydraWrap® Composite Repair System is a combination of high performance epoxies and custom-made carbon fiber fabric. This combination produces a noncorrosive structural repair that conforms to various shapes and sizes. The HydraWrap® systems are designed with a minimum of two layers of fabric with additional reinforcement being achieved through additional layers. HydraTech's engineers provide the HydraWrap® specifications and calculations required for each installation to ensure that every repair is designed to meet or exceed the client's specifications.



- Complies with ASME PCC-2 Article 4.1 & 4.2
- Complies with DOT 49CFR 192 & 195
- Restores structural integrity
- Repairs corroded assets
- Repairs mechanically damaged assets
- Chemical and corrosion resistant polymers
- Fast cure, low cost and long-term solution
- 100% volume solids epoxies (No VOC's)

HydraTite Mechanical Sealing System



HydraTite®

HydraTite® seals are custom made for each project. Seals provide a low cost option for the repair of leaking joints, with projects normally completed in days, not weeks! Superior quality and intricate design assures a tight, leak free seal. In use for more than 20 years, the system consists of a custom EPDM rubber seal held in place by stainless steel retaining bands. The seals can be interlocked to span long lengths of pipe, and can include a backing band to remediate pressure piping and cooling water expansion joints. The seals flexibility accommodates for shifting, vibration, ground settling and thermal expansion/contraction while the low profile ensures minimal flow loss. HydraTite® internal pipe joint seals are a proven solution for pipe joint repairs, pressure pipe repairs and joint infiltration in drinking water systems, storm drain and waste water systems, liquid and gas pipelines and power generation stations.

- Provides up to a 50 year design life
- Conforms to round, square and oval culverts
- Requires only hours of installation time per seal
- Maintains system pressure boundary integrity
- NSF / ANSI 61 Certified for drinking water
- Turnkey service available
- Roughly 1/3 the cost of expansion joint replacement

PolySpray Polyurea System



PolySpray® is an advanced line of polyurea based coatings that resemble a spray-applied plastic. These coatings provide outstanding abrasion and corrosion resistance and are utilized in applications that require a tough, high build liner or coating. While traditional coatings are typically limited to thin film applications and tend to be brittle in nature, PolySpray® offers a high build, non-brittle coating without sacrificing physical properties. PolySpray® can withstand mechanical shock and cures within seconds allowing for immediate return to service. These high build, seamless coatings are perfect for waterproofing and encapsulation applications where rapid return to service is required. PolySpray® is suitable for the rehabilitation of tank roofs and liners, chemical sewers, sanitary waste pipes, storm drain culverts and secondary containment applications.



- High flexibility & toughness
- Immediate return to service
- Chemical resistant
- Abrasion resistant
- Excellent mechanical properties
- High build liner / coating
- Seamless application
- Thermal stability
- Moisture tolerant

TXY Sealants



With more than 30 years' experience in the online leak sealing industry, TXY offers a variety of sealants to meet the needs of the energy sector. Selecting the right sealant is critical to the success of a leak sealing project. As a result, TXY has simplified the selection process by limiting the number of sealants required in the field to only six. These sealants are compatible with more than 300 chemicals commonly found in industrial and petrochemical environments and are capable of sealing leaks within a wide range of temperatures and pressures.

TXY Sealant Overview

- | | | | | | | | |
|----------|------------|----------|---------------|-----------|------------|----------|--------------|
| • TXY-8 | Non-curing | Teflon | (-380 ~ 500) | • TXY-16 | Heat cured | Rubber | (<1,260 Max) |
| • TXY-18 | Heat cured | Rubber | (175 ~1,470) | • TXY-18A | Heat cured | Rubber | (300 ~1,650) |
| • TXY-T9 | Non-curing | Graphite | (200 ~ 1,650) | • TXY-T10 | Non-curing | Graphite | (200 ~1,430) |

Industries Served:

- Chemical
- Refining
- Pipeline
- Power
- Pulp & Paper
- Manufacturing
- Food & Beverage
- Pharmaceutical
- Health Care
- Agricultural
- Municipal
- Aviation

Texas Compression, LLC
2214 West 43rd St. Suite: B
Houston, TX 77018
713-290-0202 Phone
713-290-0303 Fax

www.TexasCompression.com

