

Forge Tech, Inc. (FTI) offers routine and emergency leak sealing for on-line repair of Process, Water and Steam leaks. In addition we offer composite wrap services and concrete coatings and restoration.

At FTI, we strive to provide the most cost effective and reliable leak repair solutions. Whether it is a band clamp repair, a composite or wire wrap of a flange or bonnet, an engineered clamp / enclosure or a custom engineered solution, we offer the right repair the first time to solve your problem and eliminate down time.



## Leak Sealing Services On-Line

Since 2011, we've created groundbreaking and patented industrial leak sealing technology with Portable Friction Welding and we consistently provide these solutions with the highest level of service to customers around the world. We deliver value in three primary ways:



## We Enable Our Clients to Keep Assets Earning

The priority for every industrial plant is to stay on-line. At FTI, we help you maximize up-time by sealing leaks on-line, on-site and under Pressure (up to 4000psi). This means your assets will keep producing 'product' while we solve your leak problems. We will save time, energy and – most importantly – save you money. All this, while simultaneously reducing noise and emission levels, erosion damage, and improving plant safety.



## We Deliver High Quality, Innovative Solutions

FTI utilizes multiple ISO-9001 certified machine shops and fabrication facilities. Customers draw on our experience in engineering, design and manufacturing to assure that all recommended and executed repairs reach the highest standards in quality, value and safety.

## We Protect the Environment

At FTI, we take our joint commitment to protect the environment seriously.

*Our solutions maintain the integrity of your process systems.*

*We keep your systems on-line, reducing the amount of potentially harmful and polluting fugitive emissions released into the atmosphere. Our goal is to extend the life of your plant components. Our 'repair rather than replace' approach enables you to avoid the unnecessary re-manufacturing and replacement of equipment.*



## Composite Wrap Services

Our Refining, Chemical and Petrochemical Clients

look to FTI to provide professional installers and proven procedures to wrap, repair and restore process lines in a broad range of sizes, pressures and temperatures.

## What Sets Us Apart?

### Forge Tech Inc. vs. Others

<i>Single Wire Wraps</i>	<i>Multi-Wire Wraps</i>
<i>Compression Compounds</i>	<i>Phenolic Sealant</i>
<i>Peening</i>	<i>Non-Peening</i>
<i>N/C and N/F Threads</i>	<i>NPT Threads</i>
<i>Sealing Leaks</i>	<i>Stopping Leaks</i>

The products and processes we use reduce facility down time, increase safety and are more cost effective than the shut downs associated with traditional process line replacement.



The structural system forms a pipe around a pipe, and each successive wrap increases the pressure rating. Its bidirectional weave allows for strength in both the hoop and axial directions experiencing little or no creep properties over time, ensuring that there is no reduction in strength.

The Composite Wrap low profile repair can be installed on tees, elbows, straight runs of pipe, confined spaces and irregular surfaces that require structural reinforcement or leak containment.

The adhesive properties of the epoxy allow wrap systems to be applied to most substrates.

Our clients rely on us to manage engineered repairs, process reinforcement, corrosion, pin-holes, dents and bends.



### Concrete Coatings and Concrete Restoration

FTI offers a wide range of concrete coatings that allows your personnel to work in surroundings that are truly safe and sound. Facilities are continually faced with the destructive influence of chemicals

and other elements leaving concrete structures in constant need of repair and protection.

As a leading specialty mechanical provider, FTI offers solutions to some of the most difficult problems, with a range of epoxy and urethane repair materials and protective coatings that can withstand many aggressive chemicals including inorganic and organic acids, alcohols, alkalis, hydrocarbons, and oils.

FTI can repair chemical containment areas, pump plinths and vessel support, effluent treatment pits, bio-reactor clarifier tanks, drain channels and waste water treatment pits.

FTI utilizes state-of-the-art materials, repair methods, tools and trained technicians to repair and restore concrete surfaces and structures.

### FTI "Sure Seal"™ High Pressure Injection System

FTI has demonstrated the results of its Sure Seal™ High Pressure Injection process up to 2000psi. During an eight month study, the FTI solution showed favorable and measurable success. Our approach was to include a second repair attempt utilizing factory fittings, manufacturer recommended cleaners, and our injectable materials. If the valve was still out of compliance our final step was to install a FTI friction bonding fitting and apply additional injectable materials.



*By applying FTI Sure Seal™ repair methods, we were able to repair all leaking valves within the allowed time of 15 days.*

*This program allowed a major customer at achieve a 100% reduction in their the leak rate of valves that would historically end up on a DOR (delay of repair) or turnaround list.*

*By utilizing our VOC repair program, their facility reduced maintenance cost, and emissions fines.*

**Second Attempt =  
80% reduction vs. 30% from Competitor  
Final Attempt =  
100% reduction vs. 75% from Competitor**