

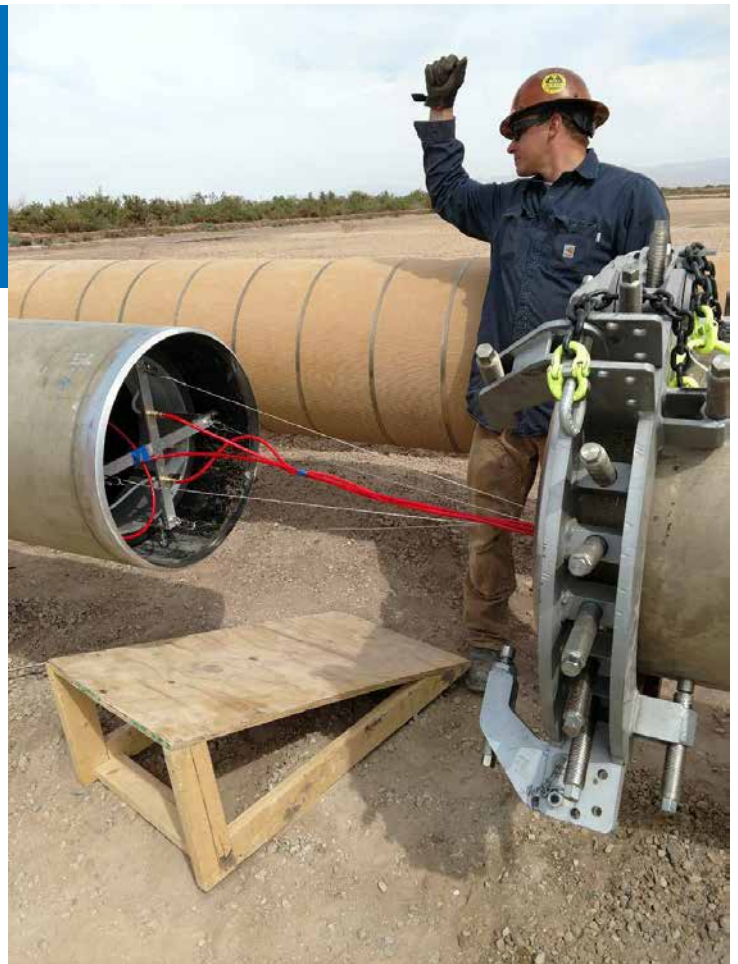
SPECIALTY WELDING SERVICES

- *Some of the best manual and automatic welders available in the industry*
- *State-of-the-art OEM welding equipment*
- *Specializing in exotic, difficult-to-weld alloys*
- *Maximum deposition techniques*
- *Specialized Welding Procedure Development with WPS and PQR Documentation*
- *Precision machining and weld joint design for maximum efficiency*
- *We guarantee our work 100%*
- *You'll get a quality, efficient job done right the first time*

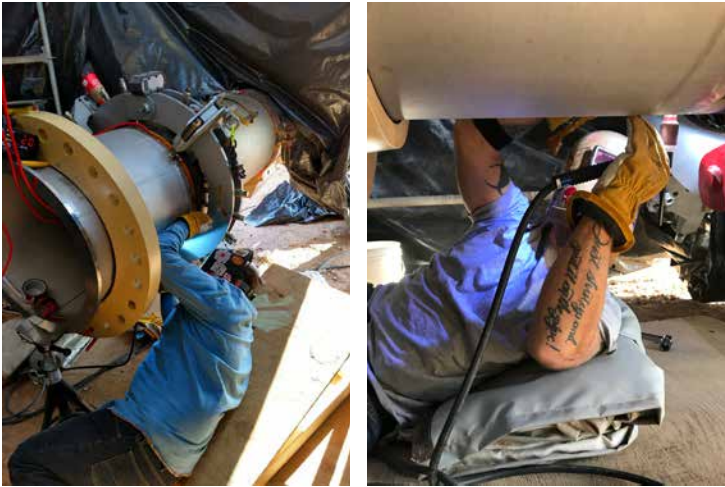
*Any weld, any alloy,
anywhere, anytime -
we've got you covered!*

Our team at Tri Tool Inc offers a variety of welding and machining solutions. We have the experience to perform your work right the first time.

From start to finish, Tri Tool is your partner with the development of a WPS (Welding Procedure Specification) as well as the PQR (Procedural Qualification Record) tailored to your application and based on the research and development we conduct at our facilities. This allows us to deliver the best results for your specific welding project.



The custom configured purge system above was used to ensure that the gas purge was maintained consistently below 10ppm through continuous, accurate purge monitoring.



Tri Tool specialty welders shown above performing manual root passes on corrosion-resistant 2507 Super Duplex pipe at a major Geothermal Plant in the Southwestern U.S.

Our employees are known for taking pride in their work, getting the job done correctly and efficiently. We only look to hire the best so we can provide you with the best, including our 100% quality guarantee.



A sequence of photographs (from left to right) showing a weld procedure development involving using automatic fluxcore 1/16" welding wire on carbon piping. After completing and demonstrating weld development on the mock up, the above process was then successfully implemented at a nuclear plant, being used for a 32" FAC pipe replacement project.

SPECIALTY WELDING SERVICES

We offer a wide variety of welding solutions with multiple welding processes and weld joint designs to fit your every need.

We use the AdaptARC welding system for:
Machine TIG, Machine Fluxcore,
Machine MIG, Machine Pulsed Spray,
Hot Wire TIG, Narrow Groove TIG

We don't stop there. We also provide:
Manual TIG, Stick, MIG, RMD, Pulsed MIG,
Fluxcore ID and OD Overlays



A perfectly formed GTAW root pass. With user defined seam tracking and through-arc sensing, AdaptARC can eliminate manually welded root passes for higher weld integrity.



In the photo above the TIG process was utilized from the root pass continually through the cap passes on P91. Tri Tool AdaptARC equipment delivers reliable high-deposition rates.

Our goal is to provide you with the expertise and capabilities you need - plus the dependability you want.

For a fast response, call our Tri Tool office 916-288-6100 and ask to speak with our Specialty Welding Project Manager



The above weld on 625 Inconel was TIG all the way out, done at an oil refinery.



The above two photos show the outside (L) and the inside (R) of a successful open-butt automatic orbital welding procedure that was performed on Schedule 10 stainless steel.

FIELD PROVEN WELDING SOLUTIONS

The ability to perform to a customer's specific parameters can make a huge difference between consistently providing certifiable, dependable welds that are crucial to a piping system's reliability, service life, and ongoing maintenance costs.

Having been called in to perform critical welds at a Southwestern U.S. Geothermal Plant, the project required that we keep the heat input exactly between 30 to 35 kJ. We gave them what they wanted, and that resulted in 17 out of 17 quality x-rayed welds.



Tri Tool's designed a custom solution for the NYPA where our precision 655SB clamshell was used to successfully excavate the wear area of a shaft seal to .300" deep. Our AdaptARC welding system was then mounted to the clamshell to performed a multi-layer GTAW deposition/cladding overlay by remote camera. The welded area was then machined again to a tolerance of no more than a .002" at a 63RMS, restoring it to original specifications.



Type 2507 corrosion-resistant Super Duplex being precision welded by Tri Tool's multi-process AdaptARC® orbital welding system as part of a Geothermal construction project.

ON-SITE MACHINING SERVICES

As you know, the ability to consistently achieve accurate, repeatable welding results is directly related to precise weld preparation. Tri Tool provides a national staff of specially trained field machinists that can perform on-site services and staffing augmentation for any of your machining requirements.

Whether for new construction, plant maintenance, or for your scheduled or emergency outages, we are ready to respond quickly so you can meet your goals while maintaining schedule and budget.

Equipped with the most advanced TRI TOOL® portable machine tools, you always get the absolute best machines for your project - operated by safety conscious, experienced portable machine tool operators.

When you come across unique machining applications, our service staff is backed by Tri Tool's special engineering who can design anything from special tooling and fixtures, to completely custom machinery for your most demanding applications.

Call Tri Tool today to discover how easy and cost effective it is to put our service personnel to task on your next project.



Utilizing the latest in precision portable machine tools, Tri Tool's reliable on-site machining services can provide you with cost-effective alternatives to machinery and training costs.

Sacramento • Houston • Chattanooga



- Portable Precision Machine Tools
- Mechanized Welding Systems • Pipeline Equipment
- Code Welding • On-Site Construction Services
- Special Engineering & Custom Mfg. • Equipment Rentals

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