

# TNG Welding Shop Capabilities

The TNG Energy Services, Inc, (TNG) Welding Shop is 1,350 sq feet and includes ten different automated and manual welding machines capable of working on any kind of valve, well-head or ancillary completion components for the geothermal industry.

TNG has the equipment and expertise to provide highly specialized welding services, including stainless steel, stellite Inconel and other exotic metals, both in our Bakersfield, CA shop and mobilized in the field.

**The following technical specifications highlight our core welding shop capabilities:**



## **Miller Panasonic Robotic Welder PERFROM-ARC 250M**

The PerformArc Robotic Welding System features a working area that is 20% larger than comparable standard systems. The compact system fits in tight spots around the shop, and has an extremely high output-to-investment ratio. The PerformArc System offers welding functions used on carbon steel, stainless, Stellite 6, 21 and Inconel 625.



## **Miller Syncrowave 350 LX**

The Miller Syncrowave 350 LX provides a stable low-end output for intricate applications and the capability to ensure TNG has enough power for heavy demands. The machine features Miller Squarewave technology which provides arc stability when welding specialized metals, prevents arc rectification and eliminates tungsten erosion.



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## Miller XMT 350 & 450

Multi-process welder capable of MIG, pulsed MIG, flux cored, stick and DC TIG. The Miller XMT 350's portability and excellent arc performance make this machine ideal for challenging projects in the shop. The XMT 350 has features that make starting stick electrodes easier, safer, and a more flexible multi-process welder to operate.



## Climax MW-3000

The Climax MW-3000 bore welder, uses MIG welding process, capable to bore weld from 0.88" to 27" diameters. The portable, small and rugged machine can reach up to 60" depths, and can weld different kinds of metals such as carbon steel, stainless steel, and Inconel 625.



## Lincoln Electric 305G

The Lincoln Electric Ranger 305 G is a powerful multi-processor stick, TIG, wire and pipe welding engine driven welder that is ideal for extended run times and everyday projects. It includes Lincoln Chopper Technology for arc performance. It is an excellent DC multi-process welder for general purpose stick, downhill pipe stick, TIG, cored-wire, MIG CO2 and mixed gas and arc gouging.



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## Lincoln Electric LN 25

The LN-25 semi-automatic wire feeder is ideal for field use. Since it is powered across the arc, no control cables are needed. This portable (suitcase) MIG and flux-cored wire feeder has a fully enclosed case to protect against damage on the job site. The LN-25 features a tool-less quick release mechanism for easy wire changing, and it accepts 10-44 lb. wire packages for plenty of welding versatility.



## Hypertherm Powermax 45

The Powermax45 is the most versatile and portable 1/2" (12 mm) machine on the market, with a broad set of application capabilities that make it a truly multi-purpose tool. The Powermax45 cuts or gouges faster, easier and better than conventional plasma cutters.



## Chino-Bartech PCE 630 and 330

The Chino-Bartech stress relieve unit/chart recorder with six (6) channels. The Chino-Bartech PCE 330 is truck mounted and designed for field use.

This PCE 630 Machine is capable of operating eighteen (18) 80V ceramic pad heaters simultaneously when stress relieving while the PCE 330 machine is capable of operating nine (9).



## GLOSSARY:

- TIG: Tungsten Inert Gas
- MIG: Metal Inert Gas



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