



On-site Combustion Heat Treating Services That Will Ignite and Excite You

Problem

Industrial equipment, like large pressure vessels, often requires a thermal cure of specific welds to preserve their integrity.

Shipping large projects to a furnace is costly and increases liability while out of a company's possession. Alternatively, few other options seem to exist that could actually increase efficiency and decrease costs.

In either case, fabricators are losing valuable production time and money.



Solution



Gulf Coast Combustion takes thermal solutions to the next level by providing on-site heat treatment services using a high-velocity gas burner system. The efficient use of this system is our specialization and the top reason we have continued customer loyalty in the industry. Our proven process not only allows for higher productivity and lower lead times, but it has the added benefit of allowing customers to oversee the process for quality control.

Besides the benefits - have you ever seen a large pressure vessel insulated and gas-fired by burners with enough BTUs to turn the entire piece glowing red at 1,150°F in person? It's also a mighty process to witness!

1

The first option is the standard for the pressure vessel industry, to ship their vessel round trip to a furnace large enough to handle. With fuel prices rising and shipping costs increasing overall, large and heavy-wall vessels are often inefficient to transport.

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The second - and usually the best - option is to have us come on-site to turn the vessel essentially into its own furnace at your shop.

Product

Gulf Coast Combustion provides its solution using the direct gas fire process in two main product offerings:

- 1 On-site post-weld heat treatment of pressure vessels for conformity in welded material.
- 2 On-site refractory dry-outs and paint cures to evaporate moisture out of the liner to create cement-like bonds.

We specialize in high-velocity gas combustion processes that are efficient, effective, and save our customers both time and money with our on-site services.

Additionally, Gulf Coast Combustion offers in-house furnace services for small vessels and pressure piping.



Why Gulf Coast Combustion?

Gulf Coast Combustion is comprised of a highly knowledgeable management team and expertly trained Combustion Technicians that make up the safest - and fastest - Vessel Heat Treatment company in the United States.

The work we do is meticulous, and we integrate proven processes that engage customers every step to ensure that they are carried out safely and to the customer's absolute satisfaction.

We prioritize close communication and accountability for personal customer care along with top-quality work - and we have a decade of proven dedication to this model.



Business Model



At Gulf Coast Combustion, another of our fundamental values is employee health and happiness. Happy employees make for happy customers. We remove customer inefficiencies while prioritizing work-life balance for employees, ensuring a healthy, symbiotic environment for both the client and our employees.

Advantages



Gulf Coast Combustion's services are designed to provide optimum results with low cost and high efficiency. Our competitive advantage lies in our proven on-site processes.



Companies save valuable lead time and money on transportation - removing the need for this entirely. Our process is highly efficient because of our efficient and effective in and out process, which is our top selling point.



Additionally, customers' vessels are saved from possible damage due to shipping hazards while allowing the customer to supervise the work being done on their product for increased quality control - specific to their standards.

Team



Our team is led by James Benefield and Greg Wilkinson, with over a decade of experience in high-velocity gas combustion. James Benefield has 17 years of experience in high-velocity gas combustion and is the owner. Greg Wilkinson is GCC's operations manager with 15 years of experience in the field.

This sets us apart from other heat treating companies, as most of those in the field are experienced in electrical resistance applications. High-velocity gas firework is an art that requires extensive knowledge and experience, as well as attention to detail and quick thinking.

The nature of the work in the gas fire industry does present hazards - our team has been able to quickly and effectively manage critical situations (circumstances) every time that come our way - and they do - courtesy of the laws of physics. Our work has an element of Murphy's Law, where anything that can go wrong seems to. However, our team manages to keep the heat-treating ship running smoothly and on time.

Testimonials



Incoming GCC customers are always pleasantly surprised by how quickly and competently we complete their work.

James has perfected a technique that allows our technicians to get in and out as quickly as possible, allowing for lower lead times and consistently on-track projects for our customers.

Connect with Gulf Coast Combustion

Gulf Coast Combustion would
love to connect with you!



Contact James directly at
832 797 3428 or
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to learn more about our solutions in
the gas fire industry.

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