Post Weld Heat Treating

In addition to refractory dryout, the Hotwork combustion system is the most cost-effective solution for Post Weld Heat Treating of large fabricated vessels that are unable or impractical to stress relieve in a heat treating furnace.

Hotwork has successfully performed Post Weld Heat Treating on vessels of virtually every size and shape in shop and field. Due to tight tolerances and temperature uniformity requirements, our combustion systems and skilled field crews are ideally suited for these projects. Since the early 1970's Hotwork has stress relieved hundreds of vessels worldwide. Our field crews are supported by managers that are specialist in this field. We comply with ASME Section VIII, BS 5500, and AS 1210 codes.

Dedication

Hotwork is dedicated to research and training in streamlining techniques and cost efficient services.

Hotwork-USA
223 Gold Rush Road
Lexington, KY 40503-2904 USA
www.hotwork.com
email: Hotwork@hotwork.com
Ph: 1.859.276.1570
Fax: 1.859.276.1583

Asia Pacific Region
email: mike.flannery@hotworkap.com
Ph: 60.19.381.4427
Fax: 60.37.726.5803

Hotwork Australia
12/77 Newton Road
Wetherill Park NSW 2164
email: hotwork@bigpond.net.au
Ph: 61.2.9756.1243
Fax: 61.2.9756.1289

Hotwork Canada
21 Four Season Place Suite 133
Etobicoke, Ontario M9B 6J8
email: Hotwork@hotwork.com
Ph: 519.940.9211
Fax: 519.940.4864

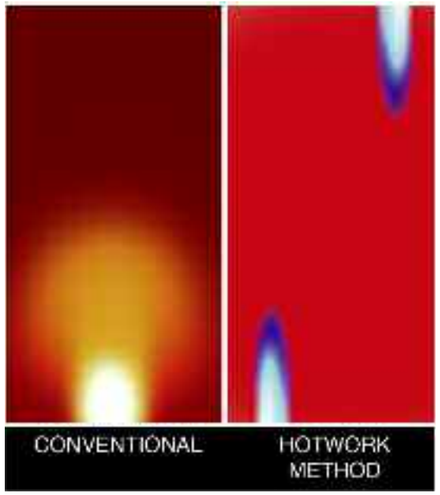
Services to the World of Hydrocarbon & Chemical Processing

Hotwork™

Hotwork Thermal Dryout Services

The Hydrocarbon Processing Industry understands the importance and value of a controlled dryout in improving refractory campaign life and minimizing downtime, preventing premature refractory failure resulting from improper dryout of a new lining.

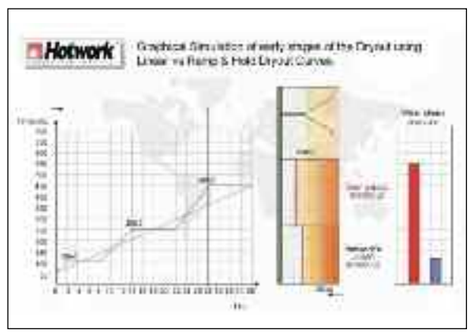
The Hotwork "forced-convection" dryout method is extremely accurate in controlling from ambient to temperatures exceeding 2000°F. We can achieve heating rates to the exact specification of the refractory manufacturer or client's dryout schedule. In many cases it's difficult for plant equipment to accurately control temperature from ambient, simply because it's not designed to perform such tasks. Our combustion system has a high-turndown capability (100:1) and capacity to handle any dryout project. The Hotwork method utilizes precisely controlled convective heating for accelerated moisture removal versus conventional radiant heating that produces non-uniform heat distribution.




Actual Burner Discharge

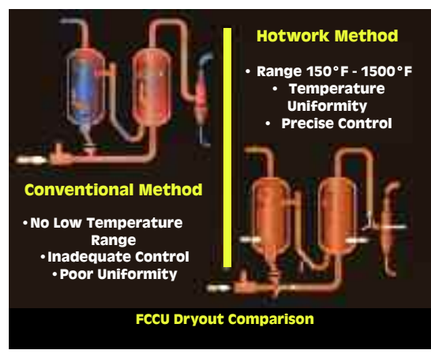
The number of burners that Hotwork brings to the job site will be determined according to the size and configuration, whether it is an isolated duct, vessel or an entire unit. The burners will be positioned as needed to achieve mass flow and temperature uniformity thus contributing to the overall performance of the refractory lining for years to come. The high velocity combustion system produces effective scrubbing action within the structure without causing flame impingement or localized overheating.

The Hotwork combustion system consists of high velocity burners, combustion air fans, control consoles, multipoint chart recorders, thermocouples, gas regulators, associated gas and air hosing, manifolds and electrical cabling. The system is brought on site and quickly assembled by our skilled technicians, who monitor the operation around-the-clock. Our technicians and management staff have a wide range of experience in the Hydrocarbon Process Industry.



Hotwork is continually called upon to perform services on many different units in the Hydrocarbon Processing Industry which include:

- Cat Crackers
- Flexicokers
- Delayed Cokers
- Fired Heaters
- Ductwork
- Separator Vessels
- Stacks & Chimneys
- Ground Flares
- Thermal Oxidizers
- Rotary Incinerators
- Rotary Hearths
- Reactors
- Reformers
- Condensers
- Transfer Lines
- Gasifiers
- SYNGAS Units
- Hydrocrackers
- Waste Heat Boilers
- CO Boilers
- Packages Boilers
- SCOT Burners
- Coke/Carbon Calciner
- Wet Gas Scrubbers
- Ammonia Reformers
- Sulfur Recovery Units
- Vessel PWHT
- Tank Coating Cures



FCCU Dryout Comparison