

NDTS HEAT TREATMENT TECHNOLOGY

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Heat Treatment Combustion

NDTS has the knowledge, expertise and experience to perform conventional and advanced Heat Treatment throughout our office and project network.

NDTS has burners that will deliver an astonishing 100 million BTUs. In addition to multiple safety interlocks and redundancies, these systems feature a turndown ratio of 100:1, which allows NDTs to vary heat output from candle intensity to full blast in increments as small as 1°F/hour. Output from 20HP blowers varies from 500 CFH to 168,000 CFH to ensure that heat is distributed evenly regardless of a vessel's geometry

NDTS Combustion Heat Treating method may be used in a variety of applications including: Post-weld Heat Treatment Carefully controlled post-weld heat treatment (PWHT) treatment.

Refractory Dry Out The secret to long refractory life is a professional Dry out using NDTs's high-velocity combustion systems to ensure that every inch of your refractory is heated under control as tight as 1°/hour.

Process Startup It is well known that process heaters are designed for a small range of temperatures. NDTs's high-velocity combustion systems feature exceptional turndown ratios (100:1), so they can be programmed to increase from candle-heat to process heat in tightly controlled increments. It is the best way to minimize thermal stress and ensure long run-times in cyclone boilers, CFBs, steel mills, glass plants and other process applications.

