

# Lake City Heat Treating



**Leaders in Hot  
Isostatic Pressing and  
Vacuum Heat Treating**



# An absolute focus on customer service.

Since our beginning in 1983, our focus has not been to be the biggest – but the best. We are a privately-held, family-owned business offering you over 200 years of combined vacuum heat treating experience.

We invite you to visit us for a tour of our facility and the opportunity to learn about our services and superior customer service.



## Hot Isostatic Pressing

Lake City Heat Treating offers the latest Hot Isostatic Pressing (or HIP) technology. Our isostatic press offers both the advantages of high pressure and high speed quench rates approximating that of vacuum cooling systems. LCHT added a second press with the same specifications in the spring of 2009.

Lake City Heat Treating's HIP systems feature an advanced uniform rapid cooling capability. This capability dramatically

reduces the processing time for each HIP cycle, increasing throughput and lowering costs.

Our Hot Isostatic Presses can reach temperatures of 2,285 degrees F and pressures up to 30,000 PSI. Our load capacity is 18.5" in diameter and 56" in length with a maximum weight of 800 pounds. Our rapid cooling rates are 175-200 degrees per minute with a 750-800 pound load.

## Vacuum Heat Treating

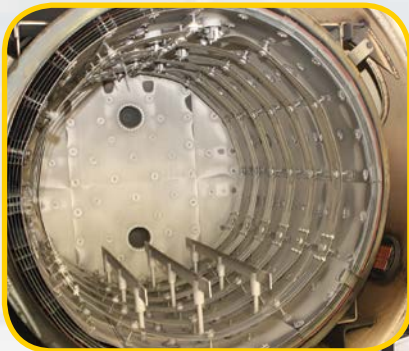
Lake City Heat Treating is providing the aerospace, medical and other quality-critical industries with state-of-the-art vacuum heat treating services. Our quality standards and continual process improvement efforts led us to being accredited by the National Aerospace and Defense Contractors Accreditation Program (Nadcap). LCHT is also an approved Boeing supplier.

We're not for everybody: LCHT specializes in vacuum heat treating/bright processing of stainless steel including hardening, tempering, annealing and precipitation hardening. This concentration of effort and expertise has enabled us to produce a product of superior quality that continually achieves excellent surface characteristics for subsequent passivation and polishing.

As a result, our customers have eliminated

additional cleaning and polishing operations after heat treat.

We also perform high quality heat treatment of nickel and cobalt alloys, titanium and air hardening tool steels. All of our furnaces are capable of achieving vacuums of  $10^{-6}$  torr and process temperatures to 2,400 degrees F with a work load size up to 24" x 24" x 40". This allows Lake City Heat Treating the capability and capacity to process your work-piece requirements to your exact specification.





## Leaders in Hot Isostatic Pressing and Vacuum Heat Treating

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