



CHARLOTTE, NC specializing in:

# Ferrous Alloys

**Alfe Heat Treating puts you in control.** Our customized, customer-focused services help you to save time and money. We specialize in ferrous processing for the automotive industrial and commercial markets. With our automated process controls, we provide reliable technology-based heat treating services. If you have special requirements, let us design a program that will fit seamlessly into your production process.



## Processes & Services

### BATCH OR CONTINUOUS FURNACE PROCESSING:

- Neutral (Thru) Hardening
- Carburizing
- Carbonitriding
- Carbon-Restoration
- Normalizing
- Annealing
- Age Hardening
- Stress Relieving

### VACUUM FURNACE PROCESSING: Variety of Tool & Stainless Steels

- Hardening
- Annealing
- Brazing

### BATCH PROCESSING:

#### GAS NITRIDING

- CRGN (Corrosion Resistant Gas Nitriding Process)
- Single or Double Stage Cycles

### VALUE ADDED SERVICES:

- Cryogenics
- Transportation Pick-Up and Delivery / Drop Forward Shipping

### METALLURGICAL LABORATORY SERVICES:

- Hardness
- Case Depth
- Retained Austenite
- Microstructure Analysis
- Certifications
- Metallurgical Expertise – Process Development/Optimization

### Approvals / Certifications:

- Aiken Precision Technologies
- Avdel USA
- Blue Ridge Metals Corporation
- Borg Warner
- Boysen USA
- Danaher Tool Group
- Eaton Corporation
- Engineered Sintered Components
- E-Z-GO Textron
- General Electric
- Goodrich Corporation
- Haldex Barnes Hydraulics
- IMO Industries
- INA USA Corporation
- Modern Forge
- Penske Racing
- Praxair
- Sekido Technology Corporation
- Solomon Engineering Inc.
- Stanley Tool
- Timken
- Wabco Transit Group

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**ISO/9001**

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