

## **Mission Statement**



Heat Treating Technologies, Inc.'s mission is to satisfy the current needs of our Customers, Employees, Stockholders, and Community while planning how to meet their future needs.













CUSTOMER VDA APPROVED

Accreditations & Affiliations





# Facility

- 60,000 sq ft. heat treating production area & storage
- Met-Lab
- Production Q.C. Lab
- Endothermic Furnace Line
- Induction & Laser Bar Code Dept
- Blast area with rust preventative conveyor
- Straightening Press Dept
- Magnetic Particle Inspection Area
- Stop-off Paint Dept.



Leco Microhardness Tester

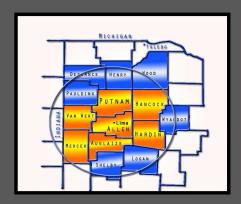




## Convenient Location

 HTT is located in West Central Ohio and has served the surrounding States as well as Canada & Mexico with quality, competitive pricing, and consistency since 1993 in Lima, Ohio. That is 29 years of service!







# **Industries Served**

- 1st Tier Automotive Suppliers
- Military
- Excavating
- Agriculture
- Refrigeration
- Stampings/Machine Shop
- Farrier Rasp Makers



















### Services

Heat Treating
TECHNOLOGIES INC

- Carburizing
- Carbonitriding
- Neutral Hardening
- Annealing
- Normalizing
- Case Restoration
- Stress

Relieving/Tempering

- Straightening
- Crack

Detection/Inspection

- Microstructure Evaluation
- Metallurgical Consultation
- Selective Hardening/Annealing
- Carburize Masking
- Alloy Fixture Repair
- Laser Etching/Bar Coding
- Transportation
- Blasting
- Rust Preventative
- Cleanliness Inspection (gravimetric analysis)





# Steel Treating Equipment

#### **Carburize Furnaces**

- 8: Super 36 x 72 x 36 Surface Combustion furnaces with integral batch quench
- 2: with hot oil capability
- 3: with atmosphere slow cooling (top cool)

#### **Blast Machine**

• 1: Goff Spinner Blaster

#### **Draw Furnaces**

5: Surface Combustion uni-draw open flame furnaces

1: Surface Combustion box draw furnace

#### Washing units

4: Dunk and spray washers

#### **Induction Machine**

• 1: Inducto-heat induction hardening

& tempering unit



# Met-Lab Equipment

- Hardness Testers
  - 1: Tukon microhardness test units, Vickers
  - 2: Rockwell macro hardness test units
  - 1: Brinell indention test unit
  - 1: Leco AMH55 Vickers microhardness tester
  - 1: Buehler Vickers microhardness tester
  - Carbon Analyzer
  - SSi 3 gas carbon analyzer
- Carbon Determination
  - Leco carbon determinator
- Magnified Detection
  - 1000X Met-Lab microscope w/Am-scope Camera





### Added Services Equipment

### Straightening

1: Eitel 40-ton straightening press

1: Eitel 20-ton straightening press

### **Laser Bar Coding**

1: Control laser bar code marking & scan system



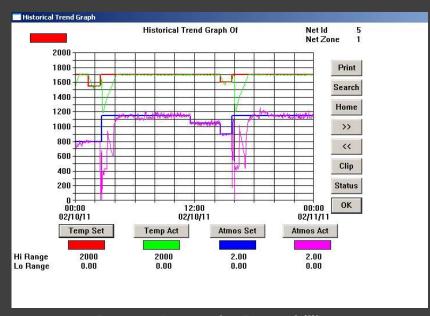


### **Production Control**

- Cornerstone Systems Inc., Visual Shop Software. Fully supported business software program, backed up offsite.
- Surface Combustion Trending Software, backed up offsite.
- ISO9001:2015 (control plan, PFEMA, parts submission warrant, PPAP, & CQI-9)



# **Key System Tools**



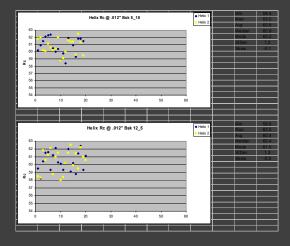
Matrix Labeling

2D Data



Process Capabilities

QI Macros



Hardness Data Trends

**Furnace Parameter Traceability**