Gear Industry Heat Treat Resource Guide
Commercial Heat Treat Providers for the Gear Industry

Heat treating is one of the most critical operations in the manufacture of quality gears. Everything can be done to perfection, but if the heat treating isn’t right, all of your hard work and efforts are wasted. We know how important it is for gear manufacturers to find the right heat treating service provider. That’s why we’ve compiled this Heat Treat Resource Guide—the only directory of heat treat service providers that’s specific to the gear industry. The companies listed here are all interested in working with gear manufacturers, and many of them have specialties and capabilities that are uniquely suited to the types of products you manufacture.

In order to help you quickly find the best heat treater who is closest to home, we’ve organized the guide into geographic regions. Use the map on this page to find the appropriate page number in the guide.

If your company provides commercial heat treating services but is not listed, please visit www.geartechnology.com/getlisted.php.

NORTHEAST

Bennett Heat Treating & Brazing Co., Inc.
Newark, NJ - (973) 589-0590
www.bennettheat.com
Bennett Heat Treating and Brazing is a full in-process service company, servicing the complete metal working industry.
Categories: Age Hardening, Aluminum Treating, Annealing, Black Oxiding, Blast Cleaning, Brazing, Carbonitriding, Carburizing, Cryogenics, Die Quenching, Flame Hardening, Hot Oil Quenching, Induction Hardening, Nitriding, Nitrocarburizing, Normalizing, Press Quenching, Sintering, Straightening, Stress Relieving, Tempering, Vacuum Treating.

Bluewater Thermal Solutions
St. Mary’s, PA - (814) 781-6262
Bluewaterthermalsolutions.com
Bluewater Thermal Solutions provides a wide variety of thermal processing for steel, stainless steel, cast irons, powder metals, titanium, aluminum, nickel-based alloys, and non-metallic materials.
Categories: Age Hardening, Annealing, Boronizing, Brazing, Carbonitriding, Carburizing, Induction Hardening, Other Heat Treating Services, Stress Relieving, Tempering, Vacuum Treating.

Bodycote Thermal Processing
Berlin, CT - (860) 225-7691
South Windsor, CT - (860) 282-1371
Suffield, CT - (860) 686-0251
Waterbury, CT - (203) 755-9119
Andover, MA - (978) 470-1620
Ipswich, MA - (978) 356-3818
Worcester, MA - (508) 754-1724
Laconia, NH - (603) 524-7886
Irwin Automation Inc., Rochester, NY - (585) 473-1000
Roselle, NJ - (201) 843-7800
Metal Improvement Company provides precision metal finishing services for gears, including shot peening, superfinishing, laser peening, heat treating and coating.

Northeast – p. 26

Cryogenic Institute of New England, Inc.
Worcester, MA - (508) 459-7447
www.nitrofreeze.com
The Cryogenic Institute of New England, Inc. offers cryogenic treatment, deburring, deflashing, cryogenic helium processing, thermal cycling, shrink fitting, and material separation & reclamation.
Categories: Aluminum Treating, Cryogenics, Stress Relieving, Tempering.

ElectroHeat Induction
Jersey City, NJ - (908) 494-0726
www.electroheatinduction.com
Electroheat Induction is a provider of custom induction melting furnaces, induction heating and hardening equipment, and pipe heating quality products.
Categories: Aluminum Treating, Induction Hardening.

Flame Treating & Engineering Co.
West Hartford, CT - (860) 953-3519
www.flametreating.com
Provide localized heat treating services using flame and induction heating techniques to a wide range of manufactured products.
Categories: Flame Hardening, Induction Hardening, Tempering.

Gleason Corporation
Rochester, NY - (585) 473-1000
www.gleason.com
Categories: Carbonitriding, Carburizing, Cryogenics, Die Quenching, Flame Hardening, Hot Oil Quenching, Induction Hardening, Normalizing, Other Heat Treating Services, Stress Relieving, Tempering, Vacuum Treating.

Irvin Automation Inc.
Greensburg, PA United States - (724) 834-7160
www.irvinautomation.com
Very fast turnaround with competitive pricing. Large variety of processes and capabilities.
Categories: Age Hardening, Aluminum Treating, Annealing, Carburizing, Cryogenics, Normalizing, Other Heat Treating Services, Stress Relieving, Tempering, Vacuum Treating.

Metal Improvement Company
Paramus, NJ - (201) 843-7800
www.metalmelting.com
Metal Improvement Company provides precision metal finishing services for gears, including shot peening, superfinishing, laser peening, heat treating and coating.

Central – p. 37

Controlled Thermal Processing, Inc.
Burlington, MA - (781) 270-1180
www.metal-wear.com
Deep Cryogenic Treatment (DCT) for wear resistance.
Categories: Cryogenics.

Midwest – p. 30

West – p. 38

Outside USA – p. 38

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Wixom, MI 48393-2009 USA
Ph: 248.668.4130
Fx: 248.624.3710
E-mail: sales@ald-holcroft.com
www.ALD-Holcroft.com
Stress Relieving, Tempering.
Categories: Automotive to construction and defense.
Commercial heat treater serving a range of industries from aerospace and
ables, manufacture vibratory and washing compounds. Subcontract blasting
Vibratory and blast finishing company. We sell the equipment and consumables,
manufacture vibratory and washing compounds. Subcontract blasting and
vibratory services.
Categories: Blast Cleaning.
R & R Heat Treating Inc.
East Stroudsburg, PA - (570) 424-8750
Small lot sizes, quick turnaround
Categories: Age Hardening, Aluminum Treating, Annealing, Black Oxiding, Blast
Cleaning, Carbonitriding, Carburizing, Flame Hardening, Hot Oil Quenching,
Induction Hardening, Nitrating, Normalizing, Stress Relieving, Tempering.
Rex Heat Treat
Lansdale, PA - (215) 855-1131
Bedford, PA - (814) 623-1701
rexht.com
Commercial Heat Treater serving a range of industries from aerospace and
automotive to construction and defense.
Categories: Age Hardening, Annealing, Austempering, Carbonitriding,
Carburizing, Cryogenic, Hot Oil Quenching, Nitrocarburizing, Normalizing,
Stress Relieving, Tempering.
SMS-Elotherm
Cranberry Township, PA - (724) 553-3471
www.sms-elotherm.com
High Performance induction systems for heating, heat treating, including hardening. Specializing in high throughput and also large work pieces such as slewing rings.
Categories: Annealing, Austempering, Induction Hardening, Laser Hardening.
Solar Atmospheres
Souderton, PA - (800) 347-3236
Hermitage, PA - (866) 982-0660
www.solaratm.com
Solar Atmospheres is one of the world’s largest providers of commercial vac-
um heat treating service.
Categories: Age Hardening, Annealing, Brazing, Carburizing, Ion Nitriding,
Nitrating, Normalizing, Other Heat Treating Services, Sintering, Stress Relieving,
Tempering, Vacuum Treating.
Specialty Steel Treating Inc.
East Granby, CT - (860) 653-0061
www.specialtysteeltreating.com
Specialty Steel Treating, founded 1956, has been performing precision heat treating for more than 40 years.
Categories: Brazing, Carbonitriding, Carburizing, Cryogenic, Hot Oil Quenching,
Nitrating, Normalizing, Stress Relieving, Vacuum Treating.
Spectrum Thermal Processing
Cranston, RI - (401) 808-6249
www.spectrumtp.com
Nadcap accredited heat treating and brazing services. Spectrum is AS9100 and
ISO 9000 certified.
Categories: Age Hardening, Annealing, Brazing, Carburizing, Nitrating,
Nitrocarburizing, Normalizing, Other Heat Treating Services, Nitriding, Vac-
um treating, Stress Relieving, Tempering, Vacuum Treating.
SOUTHEAST
Advanced Heat Treat Corp.
Cullman, AL - (256) 739-2775
www.ahtweb.com
AHT is a recognized leader in providing heat treat services and superior metal-
lurgical solutions.
Categories: Age Hardening, Annealing, Black Oxiding, Carbonitriding,
Carburizing, Induction Hardening, Ion Nitrating, Nitrating, Nitrocarburizing, Normalizing, Other Heat Treating Services, Plasma Carburizing, Stress
Relieving, Tempering, Vacuum Treating.
American Metal Treating, Inc.
High Point, NC - (336) 889.3277
americanmetaltreatinginc.com
Full range commercial heat treater. Extensive knowledge of heat treatment of
types of gears.
Categories: Age Hardening, Annealing, Austempering, Carbonitriding,
Carburizing, Cryogenic, Hot Oil Quenching, Nitrating, Other Heat Treating
Services, Stress Relieving, Tempering, Vacuum Treating.
Bluewater Thermal Solutions
Greenville, SC - (864) 990-0050
Bluewaterthermalsolutions.com
Bluewater Thermal Solutions provides a wide variety of thermal processing for
steel, stainless steel, cast irons, powder metals, titanium, aluminum, nickel-
based alloys, and non-metallic materials.
Categories: Age Hardening, Annealing, Boronizing, Brazing, Carbonitriding,
Carburizing, Induction Hardening, Other Heat Treating Services, Stress
Relieving, Tempering, Vacuum Treating.
Bodycote Thermal Processing
Athens, AL - (256) 233-1147
Conyers, GA - (770) 922-3954
Princeton, KY - (606) 855-0100
Reidsville, NC - (336) 342-0308
Fountain Inn, SC - (864) 862-3516
Morristown, TN - (423) 598-3200
www.bodycote.com
Bodycote offers an extensive range of heat treatment services. Our facilities
process a wide variety of component sizes to exacting standards with reliable,
repeatable results.
Just like gears, induction heating is all about **Precision**. Inductoheat’s precision controlled, induction gear hardening systems provide ideal metallurgical patterns, minimum shape distortion, increased wear resistance and exceptional contact fatigue strength.

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- Single-coil dual-frequency technology
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- Hypoid ring, spiral bevel, worm and pinion gears

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Jupiter, FL - (561) 746-6640
We do heat treating, furnace brazing in vacuum and hydrogen, annealing, silver soldering, assembly.
*CATEGORIES*: Age Hardening, Annealing, Brazing, Cryogenics, Stress Relieving, Tempering, Vacuum Treating.

**Woodworth Heat Treating**
Ashland, VA - (804) 412-0206
[www.woodworthheatreat.com](http://www.woodworthheatreat.com)
*CATEGORIES*: Nitriding, Vacuum Treating.

**Zion Industries**
Hildebran, North Carolina 828-397-2701 - (330) 483-4650
[www.zioninduction.com](http://www.zioninduction.com)
We are a TS-16949 Certified induction heat treater with plants in Michigan, Ohio and North Carolina.
*CATEGORIES*: Induction Hardening, Straightening.

## MIDWEST

**300 Below Inc.**
Decatur, IL - (217) 520-3335
[300Below.com](http://300Below.com)
Deep Cryogenic Processing and Tempering, Stress Relief and Stabilization, Corrosion Resistance.
*CATEGORIES*: Age Hardening, Blast Cleaning, Cryogenics, Stress Relieving, Tempering.

**Accu-Temp Heat Treating**
Racine, WI - (262) 634-1905
[www.accutemphalt.com](http://www.accutemphalt.com)
*CATEGORIES*: Annealing, Austempering, Black Oxidizing, Carbonitriding, Carburizing, Cryogenics, Flame Hardening, Nitriding, Nitrocarburizing, Normalizing, Salt Bath Nitriding, Straightening, Stress Relieving.

**Advanced Heat Treat Corp.**
Monroe, MI - (734) 243-0063
[www.ahtweb.com](http://www.ahtweb.com)
AHT is a recognized leader in providing heat treat services and superior metallurgical solutions.
*CATEGORIES*: Age Hardening, Annealing, Black Oxidizing, Carbonitriding, Carburizing, Induction Hardening, Ion Nitriding, Nitriding, Nitrocarburizing, Normalizing, Other Heat Treating Services, Plasma Carburizing, Stress Relieving, Tempering, Vacuum Treating, Advanced Nitriding Solutions

**Aichelin Heat Treatment Systems, Inc.**
Plymouth, MI - (734) 459-9850
[www.aichelinusa.com](http://www.aichelinusa.com)
Low Pressure Carburization, High Efficiency/Low NOx Burner Systems, Induction Hardening and Specialized Quenching Techniques.
*CATEGORIES*: Annealing, Austempering, Carbonitriding, Carburizing, Die Quenching, Hot Oil Quenching, Induction Hardening, Nitriding, Nitrocarburizing, Normalizing, Other Heat Treating Services, Press Quenching, Stress Relieving, Tempering.

**Ajax Tocco Magnethermic Corp.**
Warren, OH - 888-547-1527
[ajaxtocco.com](http://ajaxtocco.com)
Ajax TOCCO Magnethermic Corp. is a world leader in the induction heating, melting and forging industries.
*CATEGORIES*: Induction Hardening, Tempering.

**Akron Steel Treating Company**
Akron, OH - (330) 773-8211
[www.akronsteeltreating.com](http://www.akronsteeltreating.com)
*CATEGORIES*: Age Hardening, Annealing, Austempering, Blast Cleaning, Carburizing, Cryogenics, Hot Oil Quenching, Nitrocarburizing, Normalizing, Stress Relieving, Tempering.
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**Categories:** Age Hardening, Aluminum Treating, Annealing, Austempering, Black Oxidizing, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Hot Oil Quenching, Nitrocarburizing, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering, Vacuum Treating.

**ALD Thermal Treatment, Inc.**
Port Huron, MI - (810) 357-0682
www.aldtt.net
ALD Thermal Treatment is the premier source for vacuum heat treatment services to the precision manufactured component segment.

**Categories:** Age Hardening, Annealing, Blast Cleaning, Brazing, Carbonitriding, Carburizing, Cryogenics, Normalizing, Plasma Carburizing, Stress Relieving, Tempering, Vacuum Treating.

**American Metal Treating Co.**
Cleveland, OH - (216) 431-4492
americanmetaltreating.com
Gear induction hardening experts. Tooth-by-tooth hardening from .66 DP to 10 DP.

**Categories:** Induction Hardening.

**Applied Process**
Livonia, MI - (734) 464-8000
www.appliedprocess.com
Applied Process is a world leader in austempering technology.

**Categories:** Austempering.

**Applied Thermal Technologies**
Warsaw, IN - (574) 269-7116
www.appliedthermaltechnologies.com
Since 1992 Applied Thermal Technologies, Inc. has focused on servicing the medical, orthopedic, aerospace, military, food handling, and stamping industries.

**Categories:** Age Hardening, Annealing, Brazing, Carbonitriding, Other Heat Treating Services, Straightening, Stress Relieving, Tempering, Vacuum Treating.

**Bluewater Thermal Solutions**
South Bend, IN - (574-232-3338
Benton Harbor, MI - (269-925-6581
Northlake, IL (2 plants) - (708) 410-8000
Melrose Park, IL - (864) 990-0050
Rockford, IL - (815) 397-5424
Saginaw, MI - (989) 753-7770
Coldwater, MI - (517) 279-4981
Bluewaterthermalsolutions.com
Bluewater Thermal Solutions provides a wide variety of thermal processing for steel, stainless steel, cast irons, powder metals, titanium, aluminum, nickel-based alloys, and non-metallic materials.

**Categories:** Age Hardening, Annealing, Boronizing, Brazing, Carbonitriding, Carburizing, Induction Hardening, Other Heat Treating Services, Stress Relieving, Tempering, Vacuum Treating.

**Bodycote Thermal Processing**
Melrose Park, IL - (708) 344-4808
Indianapolis, IN - (317) 924-4321
Fort Wayne, IN - (260) 423-1691
Greensburg, IN - (812) 663-4114
Elkhart, IN - (574) 295-2491
Canton, MI (Ronda Drive) - (734) 459-8514
Canton, MI (Haggerty Road) - (734) 233-8847
Livonia, MI - (734) 427-6814
Grand Rapids, MI - (616) 245-0465
Holland, MI - (616) 399-6880
Cincinnati, OH - (513) 921-2300
Highland Heights, OH - (440) 473-2020
London, OH - (740) 852-5000
Columbus, OH - (614) 444-1181
New Berlin, WI - (262) 782-5553
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Bodycote offers an extensive range of heat treatment services. Our facilities process a wide variety of component sizes to exacting standards with reliable, repeatable results.

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1-855-WE-HEAT-IT
www.solaratm.com
Categories: Age Hardening, Annealing, Aустempering, Blast Cleaning, Brazing, Carbonitriding, Carburizing, Cryogenics, Hot Oil Quenching, Nitriding, Nitrocarburizing, Normalizing, Stress Relieving, Vacuum Treating.

BOS Services Company
Willoughby, OH - (440) 946-5101
http://bosservicesheattreating.com
Heat treat and metal cleaning.

Categories: Tempering.

Calumet Surface Hardening
Hammond, IN - (219) 844-5600
Flame hardening and straightening of steel, some induction hardening.

Categories: Carburizing, Flame Hardening, Induction Hardening, Straightening.

Chicago Flame Hardening
East Chicago, IN - (219) 397-6475
www.cf flame.com
Flame hardening, stress relieving, mechanical straightening.

Categories: Flame Hardening, Straightening, Stress Relieving.

Cincinnati Steel Treating Co.
Cincinnati, OH - (513) 271-3173
www.steeltreating.com
We are a full service Heat Treating Co. We process several thousand parts to just one small part.

Categories: Age Hardening, Aluminum Treating, Annealing, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Die Quenching, Flame Hardening, Induction Hardening, Nitriding, Nitrocarburizing, Normalizing, Press Quenching, Straightening, Stress Relieving, Tempering.

Clifford-Jacobs Forging
Champaign, IL - (217) 352-5172
www.clifford-jacobs.com
Closed-die custom forging producer of gear blanks up to 30 inches in diameter and/or 50 inches in length. Heat treating and rough machining.

Categories: Annealing, Normalizing.

Complete Heat Treating
Milwaukee, WI - (414) 643-5161
completeht.com
Quenching to 22’ x 22’ x 13’ deep and 100,000 lbs. Furnaces to 53’L x 22’W x 15’H. Polymer & water quenching.

Categories: Age Hardening, Aluminum Treating, Annealing, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving.

Contour Hardening, Inc.
Indianapolis, IN - (317) 876-1530
Contour de Mexico Silao Mexico, - (317) 876-1530
www.contourhardening.com
Provider of induction equipment and services. Contract induction heat treat.

Categories: Induction Hardening, Stress Relieving, Tempering.

Controlled Thermal Processing, Inc.
Antioch, IL - (847) 651-5511
Park City, IL - (847) 651-5511
www.metal-wear.com
Deep Cryogenic Treatment (DCT) for wear resistance.

Categories: Cryogenics.

Cryoplus Inc.
Wooster, OH - (330) 683-3375
www.cryoplus.com

Categories: Cryogenics.

Dayton Forging & Heat Treating Company
Dayton, OH - (937) 253-4126
www.daytonforging.com
Custom tailored processing of parts to meet your requirements. Oil and water quenching available.

Categories: Age Hardening, Annealing, Blast Cleaning, Carbonitriding, Carburizing, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering.

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  press quenching, etc.
- Worldwide infrastructure in North America, Europe and Asia
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For further information please visit www.afc-holcroft.com

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July 2014 | GEAR TECHNOLOGY
Detroit Steel Treating Co.
Pontiac, MI - (248) 334-7436
Controlled atmosphere for neutral, carburize and carbo-nitride processing.
Categories: Age Hardening, Aluminum Treating, Annealing, Black Oxiding, Blast Cleaning, Carbonitriding, Carburizing, Flame Hardening, Hot Oil Quenching, Normalizing, Straightening, Stress Relieving, Tempering.

Duffy Company, The
Palatine, IL - (847) 202-0000
www.duffycompany.com
For over 30 years The Duffy Company has been the exclusive North American distributors of Condursal stop-off paints to the Heat Treating Industry
Categories: Stop-off Paints.

East-Lind Heat Treat, Inc.
Madison Heights, MI - (248) 585-1415
www.eastlind.com
Carburize/Quench/Temp. Specializing in gear specs - AGMA, AMS, Axletech, Dana, Deere, Eaton, GDS-2, etc.
Categories: Age Hardening, Aluminum Treating, Annealing, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Flame Hardening, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering, Vacuum Treating.

EFD Induction Inc.
Madison Heights, MI - (248) 658-0700
www.efdinduction-usa.com
Inventor of the dual frequency hardening power supplies, it propose a whole range of solutions for gear hardening.
Categories: Die Quenching, Induction Hardening.

Eldec Induction USA, Inc.
Auburn Hills, MI - (248) 364-4750
www.eldec-usa.com
Specializing in SIMULTANEOUS DUAL FREQUENCY hardening systems which can eliminate distortion problems associated with carbonization.
Categories: Annealing, Austempering, Brazing, Induction Hardening, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering.

Eltro Services, Inc.
Oxford, MI - (248) 628-9790
www.eltroservices.com
Eltro Services, Inc. uses patented pulsed ion nitriding furnaces to provide superior surface engineering solutions at the lowest possible cost.
Categories: Age Hardening, Black Oxiding, Carbonitriding, Ion Nitriding, Nitriding, Nitrocarburizing, Other Heat Treating Services, Plasma Carburizing, Steam Treating, Stress Relieving, Tempering, Vacuum Treating.

Engineered Heat Treat, Inc.
Madison Heights, MI - (248) 588-5141
www.ehtinc.com
We were founded in 1959 and provide a variety of heat treating services to the aircraft, automotive, high-performance racing, military and tooling industries.
Categories: Age Hardening, Annealing, Austempering, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Die Quenching, Hot Oil Quenching, Nitriding, Nitrocarburizing, Normalizing, Other Heat Treating Services, Press Quenching, Salt Bath Nitriding, Straightening, Stress Relieving, Tempering, Vacuum Treating.

ERS Engineering Corp.
West Bloomfield, MI - (248) 538-9082
www.ersengine.com
ERS is the exclusive distributor in N. America of Techmash (Moscow) through surface hardening technique.
Categories: Induction Hardening.

Euclid Heat Treating Company, The
Euclid, OH - (216) 481-8444
www.euclidheattreating.com
Neutral harden, carburize, ferritic, nitride, induction, vacuum, Intensiquench, Endocarb, XRF test
**FPM Heat Treating**
Elk Grove Village, IL - (847) 881-8100
Cherry Valley, IL - (815) 332-4961 - (847) 881-8100
Milwaukee, WI - (414) 881-0886

www.fpmht.com

Full range of commercial heat treating services with focus on carburizing, Nitrocarburizing, Nitriding, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering, Vacuum Treating.

**Categories:** Age Hardening, Annealing, Austempering, Blast Cleaning, Brazing, Carbonitriding, Carburizing, Hot Oil Quenching, Nitriding, Nitrocarburizing, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering, Vacuum Treating.

**General Metal Heat Treating, Inc.**
Cleveland, OH - (216) 391-0886
www.generalmetalheat.com

NADCAP and AS9100 certified. Carburizing, hardening, normalizing, annealing. Batch, salt, pit and vacuum.

**Categories:** Age Hardening, Annealing, Austempering, Blast Cleaning, Carburizing, Carbonitriding, Carburizing, Cryogenics, Hot Oil Quenching, Nitriding, Nitrocarburizing, Normalizing, Stress Relieving, Tempering, Vacuum Treating.

**General Surface Hardening Inc.**
Chicago, IL - (312) 226-5472
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GSH has worked with the “Top” gear engineers in the United States and Europe. Gears Up to 20,000 lbs.

**Categories:** Age Hardening, Annealing, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Flame Hardening, Induction Hardening, Normalizing, Straightening, Stress Relieving, Tempering.

**Heat Treating Services Corporation of America**
Pontiac, MI - (248) 858-2230
Waterford, MI - (248) 858-2230
Pontiac, MI (2 plants) - (248) 858-2230
Homier, MI - (248) 858-2230
www.htsmi.com


**Categories:** Annealing, Blast Cleaning, Normalizing, Other Heat Treating Services.

**Hi TecMetal Group**
Cleveland, OH (HO) - (216) 881-8100
Cleveland, OH (Brazing & Metal Treating) - (216) 881-8100
Cleveland, OH (Brite Brazing) - (216) 426-6650
Cleveland, OH (Commercial Induction) - (216) 883-4820
Cleveland, OH (Walker Heat Treating) - (216) 941-0440
Eastlake, OH - (440) 946-2280
Wickliffe, OH - (440) 943-4555

www.htmcc.com

Provides induction and furnace heat treating services to the gear industry.

**Categories:** Annealing, Blast Cleaning, Brazing, Carbonitriding, Carburizing, Induction Hardening, Normalizing, Nitriding, Nitrocarburizing, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Vacuum Treating.

**Horsburgh & Scott Co.**
Cleveland, OH - (216) 431-3900
www.horsburgh-scott.com

Horsburgh & Scott offers complete captive and commercial heat treating services out of a 50,000 sq ft facility.

**Categories:** Annealing, Carburizing, Hot Oil Quenching, Normalizing, Stress Relieving, Tempering.

**Hudapack Metal Treating**
Elkhorn, WI - (262) 723-3345
Franklin, WI - (414) 421-5140
Glendale Heights, IL - (630) 858-0505
www.hudapack.com

We offer a large array of heat treat capabilities to meet many customer needs.

**Categories:** Age Hardening, Aluminum Treating, Annealing, Austempering, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Die Quenching, Flame Hardening, Hot Oil Quenching, Induction Hardening, Nitriding, Nitrocarburizing, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering, Vacuum Treating.

**Induction Hardening Specialists**
Peninsula, OH - (330) 315-8129
inductionhardeningspecialists.com

Specialists in single tooth contour gear hardening. AGMA pattern “A.”

**Categories:** Induction Hardening.

**Induction Resources**
Canton, MI - (734) 776-1026

Induction consulting, project management, development, process troubleshooting and heat audits, CQI-9.

**Categories:** Annealing, Austempering, Brazing, Induction Hardening, Press Quenching, Stress Relieving, Tempering.

**Induction Services, Inc.**
Warren, MI - (586) 754-1640
www.inductionservicesinc.com

Provider of induction hardening services.

**Categories:** Induction Hardening.

**Induction Tooling, Inc.**
North Royalton, OH - (440) 237-0711
www.inductiontooling.com

We specialize in the design, build and repair of inductors used in the induction hardening process.

**Categories:** Induction Hardening.

**Inductoheat Inc.**
Madison Heights, MI - (248) 585-9393
www.inductoheat.com

We design & build heat treating equipment & power supplies for heating a wide range of parts including gears & sprockets.

**Categories:** Annealing, Brazing, Induction Hardening, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering.

**Ipsen, Inc.**
Cherry Valley, IL - (800) 727-7625
www.ipsenUSA.com

Ipsen, Inc. designs and manufactures thermal processing systems (vacuum heat treat furnaces and atmosphere heat treat furnaces) for a wide variety of markets.

**Categories:** Age Hardening, Aluminum Treating, Annealing, Austempering, Brazing, Carbonitriding, Carburizing, Hot Oil Quenching, Nitriding, Nitrocarburizing, Normalizing, Other Heat Treating Services, Sintering, Stress Relieving, Tempering, Vacuum Treating.

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Founded in 1999 by Fred Otto, MTV has become a leader in vacuum carburizing and heat treating for the Aerospace, Motor Sports, and Commercial Industries with multiple quenching to handle just about any commercial material.

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22 Bar Gas or Oil Quench in Vacuum Complete Certified Metallurgical Lab NADCAP ISO9000 & AS9100 Aerospace Approved

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Kenosha, WI 53144

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Kowalski Heat Treating
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Specializing in the PIA (pain in the @#$) jobs! Salt to Salt - Heat set flatten - ION Nitriding.
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Lambda Technologies
Cincinnati, OH - (513) 561-0883
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We specialize in metal improvement and surface enhancement techniques, such as low plasticity burnishing (LPBTM).
Categories: Stress Relieving.

Magnum Induction
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Induction Heat Treating large and unique part configurations.
Categories: Induction Hardening, Stress Relieving, Tempering.

Midwest Thermal-Vac Inc.
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www.mtvac.com
MTV Premier Vacuum Facility specializing in Vacuum Carburizing with both HPGV and vacuum oil quench.
Categories: Age Hardening, Annealing, Austempering, Blast Cleaning, Brazing, Carbonitriding, Carburizing, Cryogenics, Flame Hardening, Hot Oil Quenching, Induction Hardening, Ion Nitriding, Nitriding, Nitrocarburizing, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering, Vacuum Treating.

Nitrex Inc.
Franklin, IN - (317) 346-7700
Aurora, IL - (630) 851-5880
Mason, MI - (517) 676-6370
www.nitrex.com
NITREX improves the properties of metals, extending the life of gears for a wide range of industries
Categories: Age Hardening, Annealing, Austempering, Black Oxiding, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Die Quenching, Hot Oil Quenching, Ion Nitriding, Nitriding, Nitrocarburizing, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering, Vacuum Treating.

Ohio Vertical Heat Treat
Cleveland, OH - (216) 965-0124
www.ov-ht.com
Vertical processing of parts that are up to 72’ in diameter and 192’ long.
Categories: Age Hardening, Aluminum Treating, Annealing, Austempering, Carburizing, Hot Oil Quenching, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering.

Paulo Products Company
Willoughby, OH - (440) 946-5900
www.paulo.com
Paulo provides innovative engineered solutions in heat treating, brazing and metal finishing.

Pillar Induction
Brookfield, WI - (262) 317-5300
www.pillar.com
Manufactures services & supports induction heating and coreless melting systems for a variety of metal and material thermal processing.
Categories: Brazing, Induction Hardening.

Precision Heat Treating Co.
Kalamazoo, MI - (269) 382-4680
www.precisionheat.net
Commercial heat treating services since 1948.
Categories: Annealing, Carbonitriding, Carburizing, Induction Hardening, Other Heat Treating Services, Stress Relieving, Tempering.

Precision Heat Treating Corporation
Fort Wayne, IN - (260) 749-5125
www.phtc.net
Batch Furnace (Q&T, Carbnitride, Carburize), Induction and Vacuum Tool Steel Heat Treating.
Categories: Age Hardening, Annealing, Carbonitriding, Carburizing, Induction Hardening, Nitriding, Normalizing, Stress Relieving, Tempering, Vacuum Treating.

Precision Thermal Processing
Clintonville, WI - (715) 701-0971
www.precisionthermal.com
Carburize of gears and pinions; Quench & Temper of various machined products; A2LA Lab Services.
Categories: Age Hardening, Annealing, Blast Cleaning, Boronizing, Carburizing, Cryogenics, Induction Hardening, Normalizing, Straightening, Stress Relieving, Tempering, Vacuum Treating.

Preco, Inc.
Somerset, WI - (715) 247-3285
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Laser welding: fast, accurate, dissimilar materials, little distortion & complex gear mfg. costs decreased.
Categories: Laser Hardening.

Pro-Beam USA
Aurora, IL - (312) 953-3083
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Gear Welding, EB Drilling, Metal Washing. Integrated design transmission and gear system assembly line design, Hysteresis heat treatment. Lasers and Consultation.

Rockford Heat Treaters
Rockford, IL - (815) 874-0089
www.rockfordheattreaters.com
Categories: Annealing, Carbonitriding, Carburizing, Flame Hardening, Induction Hardening, Nitriding, Sintering, Stress Relieving, Vacuum Treating.

Rubig US, Inc.
Rockford, IL United States - (779) 500-0269
www.rubig.com
Categories: Nitriding, Vacuum Treating.

Sedlock Companies - Euskal Forging
Wales, WI - (262) 968-3900
www.sedlockcompanies.com
U.S. sales representation of Euskal Forging.
Categories: Annealing, Austempering, Induction Hardening.

Specialty Heat Treating
Grand Rapids, MI - (616) 245-0465
Holland, MI - (616) 245-0465
Elkhart, IN - (574) 245-0465
www.specialtyheat.com
Specialty Steel Treating, founded 1956, has been performing precision heat treating for more than 4 years.
Categories: Age Hardening, Annealing, Black Oxiding, Brazing, Carbonitriding, Carburizing, Hot Oil Quenching, Nitriding, Nitrocarburizing, Normalizing, Plasma Carburizing, Vacuum Treating.

Specialty Steel Treating Inc.
Fraser, MI (2 plants) - (586) 293-5355
Farmington Hills, MI - (248) 478-5900
www.specialtysteeltreating.com
Specialty Steel Treating, founded 1956, has been performing precision heat treating for more than 40 years.
Categories: Brazing, Carbonitriding, Carburizing, Cryogenics, Hot Oil Quenching, Nitriding, Normalizing, Stress Relieving, Vacuum Treating.

Sun Steel Treating Inc.
South Lyon, MI - (877) 471-0840
www.sunsteeltreating.com
Commercial heat treating services since 1948.
Categories: Annealing, Carbonitriding, Carburizing, Induction Hardening, Other Heat Treating Services, Stress Relieving, Tempering.
Since 1958, Sun Steel Treating Inc. has specialized in providing our customers precision and specialty salt bath heat treatments.

**Categories:** Age Hardening, Annealing, Die Quenching, Ion Nitriding, Nitriding, Normalizing, Other Heat Treating Services, Steam Treating, Straightening, Stress Relieving, Tempering.

**SWD Inc.**
Addison, IL - (630) 543-3003
www.swdinc.com

SWD Inc specializes in metal finishing and self-lubricating coatings. Our services include: Black Oxide, Passivation of Stainless Steel, Moly Disulfide or Moly Coat, Manganese Phosphate, Cleaning and Pickling.

**Categories:** Black Oxiding.

**Thermotech**
Waukesha, WI - (262) 549-1878
www.thermotech.net

**Categories:** Annealing, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Flame Hardening, Nitriding, Other Heat Treating Services, Straightening, Stress Relieving.

**Treat All Metals, Inc.**
Milwaukee, WI - (414) 962-2500
www.treatallmetals.com

We have established the highest quality and most complete heat treating facility in the Midwest.

**Categories:** Annealing, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Die Quenching, Hot Oil Quenching, Nitriding, Normalizing, Press Quenching, Straightening, Stress Relieving, Tempering.

**United Gear and Assembly, Inc.**
Hudson, WI - (715) 386-5867
www.ugaco.com

Heat Treating capacity supports our production demands and allows us to provide commercial Heat Treating and Metallurgical services for other local and national manufacturers.

**Categories:** Annealing, Carbonitriding, Carburizing, Induction Hardening, Press Quenching, Tempering.

**Woodworth Heat Treating**
Flint, MI - (810) 820-6780
Pontiac, MI - (248) 481-2354
www.woodworthheattreat.com

**Categories:** Nitriding, Vacuum Treating.

**Zion Industries**
Valley City, OH - (330) 483-4650
Grand Ledge, MI - (517) 622-3409
www.zioninduction.com

We are a TS-16949 Certified induction heat treater with plants in Michigan, Ohio and North Carolina.

**Categories:** Induction Hardening, Straightening.

**Advanced Heat Treat Corp.**
Waterloo, IA (Burton Ave.) - (319) 232-0745
Waterloo, IA (Midport Blvd.) - (319) 232-5221
www.ahtweb.com

AHT is a recognized leader in providing heat treat services and superior metallurgical solutions.

**Categories:** Age Hardening, Annealing, Black Oxiding, Carbonitriding, Carburizing, Induction Hardening, Ion Nitriding, Nitriding, Nitrocaburizing, Normalizing, Other Heat Treating Services, Plasma Carburizing, Stress Relieving, Tempering, Vacuum Treating.

**Bluewater Thermal Solutions**
Houston, TX - (281) 442-6733
Bluewaterthermalsolutions.com

Bluewater Thermal Solutions provides a wide variety of thermal processing for steel, stainless steel, cast irons, powder metals, titanium, aluminum, nickel-based alloys, and non-metallic materials.

**Categories:** Age Hardening, Annealing, Boronizing, Brazing, Carbonitriding, Carburizing, Induction Hardening, Other Heat Treating Services, Stress Relieving, Tempering, Vacuum Treating.

**Bodycote Thermal Processing**
Hot Springs, AR - (501) 760-1696
Wichita, KS (Ida Plant) - (316) 267-8201
Wichita, KS (McLean Plant) - (316) 287-0239
Wichita, KS (West Plant) - (316) 943-3288
Lafayette, LA - (337) 837-9273
Eden Prairie, MN - (952) 944-5500
Oklahoma City, OK - (405) 670-5710
Tulsa, OK (74th St.) - (918) 627-7324
Tulsa, OK (Pine St.) - (918) 627-7324
Arlington, TX - (817) 265-5878
Fort Worth, TX - (817) 737-6651
Frisco, TX - (972) 688-8520
Houston, TX (Hays St.) - (713) 225-6050
Houston, TX (Robertson St.) - (713) 691-4544
Houston, TX (Houston St.) - (281) 227-8222
www.bodycote.com

Bodycote offers an extensive range of heat treatment services. Our facilities process a wide variety of component sizes to exacting standards with reliable, repeatable results.

**Categories:** Age Hardening, Annealing, Austempering, Blast Cleaning, Brazing, Carbonitriding, Carburizing, Cryogenics, Hot Oil Quenching, Nitriding, Nitrocarburizing, Normalizing, Stress Relieving, Vacuum Treating.

**Boltex Manufacturing**
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www.boltex.com

Boltex is a vertically integrated manufacturer of quality carbon and alloy steel forgings ranging in weight from 2 to over 10,000 lbs.

**Categories:** Annealing, Normalizing.

**Controlled Thermal Processing, Inc.**
Marion, IA - (319) 631-8665
www.metal-wear.com

Deep Cryogenic Treatment (DCT) for wear resistance.

**Categories:** Cryogenics.

**Flame Metals Processing Corporation**
Rogers, MN - (763) 428-2596
www.flamemetals.com

**Categories:** Carburizing, Cryogenics, Die Quenching, Flame Hardening, Salt Bath Nitriding, Vacuum Treating.

**National Heat Treat**
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nationalheattreat.com

Supplying prime contractors in the oil and gas, aerospace, defense, energy, automotive, electronics, transportation and communications industries.

**Categories:** Age Hardening, Annealing, Blast Cleaning, Boronizing, Brazing, Carbonitriding, Carburizing, Cryogenics, Hot Oil Quenching, Nitriding, Normalizing, Other Heat Treating Services, Stress Relieving, Tempering, Vacuum Treating.

**Paulo Products Company**
St. Louis, MO - (314) 647-7500
Kansas City, MO - (816) 861-7500
www.paulo.com

Paulo provides innovative engineered solutions in heat treating, brazing and metal finishing.

**Categories:** Age Hardening, Aluminum Treating, Annealing, Austempering, Black Oxiding, Blast Cleaning, Boronizing, Brazing, Carbonitriding, Carburizing, Cryogenics, Die Quenching, Flame Hardening, Hot Oil Quenching, Induction Hardening, Ion Nitriding, Laser Hardening, Nitriding, Nitrocaburizing, Normalizing, Other Heat Treating Services, Plasma Carburizing, Press Quenching, Salt Bath Nitriding, Sintering, Steam Treating, Straightening, Stress Relieving, Tempering, Vacuum Treating.

**Precision Heat Treating**
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Locally owned, been in business 10 years. Fast turnaround. No job too small. Can handle big orders also.

**Categories:** Age Hardening, Annealing, Carburizing, Normalizing, Stress Relieving, Tempering.
**WEST**

**Accurate Steel Treating, Inc.**
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www.accuratesteeltreating.com

Serving a broad range of industries with attention to detail since 1962. ISO 9001:2008 AS9100 NADCAP.

Categories: Age Hardening, Annealing, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Ion Nitriding, Nitriding, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering, Vacuum Treating.

**Bodycote Thermal Processing**
Huntington Park, CA - (323) 583-1231
Rancho Dominguez, CA - (310) 604-8000
Santa Fe Springs, CA - (562) 946-1717
Vernon, CA - (323) 264-011I
Westminster, CA - (714) 893-6561
Camas, WA - (360) 833-1120
www.bodycote.com

Bodycote offers an extensive range of heat treatment services. Our facilities process a wide variety of component sizes to exacting standards with reliable, repeatable results.

Categories: Age Hardening, Annealing, Austemperming, Blast Cleaning, Brazing, Carbonitriding, Carburizing, Cryogenics, Hot Oil Quenching, Nitriding, Nitrocarburizing, Normalizing, Stress Relieving, Vacuum Treating.

**Burlington Engineering, Inc**
Orange, CA - (714) 921-4045
www.burlingtoneng.com

Burlington Engineering, Inc., strips and treats the surface of metal products using a variety of techniques.

Categories: Salt Bath Nitriding.

**Byington Steel Treating**
Santa Clara, CA - (408) 727-6630
Byingtonsteel.com

Solution heat treating of aluminum alloys.

Categories: Age Hardening, Aluminum Treating, Annealing, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Induction Hardening, Nitriding, Normalizing, Straightening, Stress Relieving, Tempering, Vacuum Treating.

**California Surface Hardening, Inc.**
Compton, CA - (310) 608-5576
calflamehardening.com

Flame hardening of teeth only on gears & sprockets, surface hardening wheels, shafts, cams & oil tools.

Categories: Flame Hardening, Stress Relieving, Tempering.

**Cascade TEK**
Hillsboro, OR - (888) 835-9250
www.cascadetek.com

Our environmental stress testing laboratory is equipped with a full range of climatic and dynamic capabilities.

Categories: Vacuum Treating.

**Certified Steel Treating**
Los Angeles, CA - (323) 583-8711
www.certifiedsteeltreat.com

Heat Treat, Anneal, Aging, Stress Relieve, Vertical Heat Treat, Carburizing, Sandblasting.

Categories: Age Hardening, Annealing, Blast Cleaning, Carburizing, Hot Oil Quenching, Normalizing, Other Heat Treating Services, Straightening, Stress Relieving, Tempering.

**Continental Heat Treating, Inc.**
Santa Fe Springs, CA - (800) 622-6624
www.continentalht.com

We are a NADCAP accredited heat treat shop with a full metallurgical lab.

Categories: Age Hardening, Annealing, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Hot Oil Quenching, Nitriding, Normalizing, Straightening, Stress Relieving, Tempering, Vacuum Treating.

**Controlled Thermal Processing, Inc.**
Camarillo, CA - (818) 445-3030
www.metal-wear.com

Deep Cryogenic Treatment (DCT) for wear resistance.

**Cryogenic Edge, The**
Auburn, CA - (530) 852-4845
www.thecryoedge.com

We specialize in computer controlled deep cryogenic processing for many different items including machine tooling, cutters, dies, and broaches.

Categories: Cryogenics.

**Industrial Metal Finishing, Inc**
Placentia, CA - (714) 628-8808
www.indmetalfin.com


Categories: Stress Relieving.

**Nitrex Inc.**
San Jose, CA 95125 - (408) 275-0330
North Las Vegas, NV - (702) 399-1554
www.nitrex.com

NITREX improves the properties of metals, extending the life of gears for a wide range of industries.


**Solar Atmospheres**
Fontana, CA - (866) 559-5994
www.solaratm.com

Solar Atmospheres is one of the world’s largest providers of commercial vacuum heat treating service.

Categories: Age Hardening, Annealing, Brazing, Carburizing, Ion Nitriding, Nitriding, Normalizing, Other Heat Treating Services, Sintering, Stress Relieving, Tempering, Vacuum Treating.

**Stack Metallurgical Services, Inc.**
Portland, OR United States - (503) 285-7703
www.stackmet.com

Categories: Aluminum Treating, Ion Nitriding, Vacuum Treating.

**VaporKote, Inc.**
Anaheim, CA - (714) 632-8607
www.vaporkote.com

Cost-effective solutions for erosion & high temperature corrosion protection of critical metal parts.

Categories: Age Hardening, Annealing, Boronizing, Normalizing, Stress Relieving, Tempering.

**WPC Treatment Co., Inc.**
Torrance, CA - (310) 782-8647
www.wpctreatment.com

WPC metal surface treatment service provider. WPC treatment improves fatigue strength and oil retention of gears and cutting tools.

Categories: Coatings.

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**Aksan Steel Forging**
ANKARA, Anatolia Turkey - +(90) 312 841 64 01
www.aksanforging.com

Aksan Steel Forging manufactures wide-range of forged components for Agriculture, Machinery, Automobile, Defense.

Categories: Annealing, Hot Oil Quenching, Induction Hardening, Normalizing, Other Heat Treating Services, Press Quenching, Tempering.

**Ampere Metal Finishing**
Mississauga, Ontario Canada - (905) 670-5275
www.amperemetal.com

Ampere Metal Finishing Ltd. is a dynamic company that has been serving industry throughout Canada since 1976.

Categories: Black Oxiding.

**Bluewater Thermal Solutions**
Kitchener, ON Canada - (519) 748-5284
Bluewaterthermalsolutions.com

Bodycote offers an extensive range of heat treatment services. Our facilities process a wide variety of component sizes to exacting standards with reliable, repeatable results.

Categories: Age Hardening, Annealing, Austemperming, Blast Cleaning, Brazing, Carbonitriding, Carburizing, Cryogenics, Hot Oil Quenching, Nitriding, Nitrocarburizing, Normalizing, Stress Relieving, Vacuum Treating.

**Ampere Metal Finishing, Inc**
Placentia, CA - (714) 628-8808
www.indmetalfin.com


Categories: Stress Relieving.

**Nitrex Inc.**
San Jose, CA 95125 - (408) 275-0330
North Las Vegas, NV - (702) 399-1554
www.nitrex.com

NITREX improves the properties of metals, extending the life of gears for a wide range of industries.


**Solar Atmospheres**
Fontana, CA - (866) 559-5994
www.solaratm.com

Solar Atmospheres is one of the world’s largest providers of commercial vacuum heat treating service.

Categories: Age Hardening, Annealing, Brazing, Carburizing, Ion Nitriding, Nitriding, Normalizing, Other Heat Treating Services, Sintering, Stress Relieving, Tempering, Vacuum Treating.

**Stack Metallurgical Services, Inc.**
Portland, OR United States - (503) 285-7703
www.stackmet.com

Categories: Aluminum Treating, Ion Nitriding, Vacuum Treating.

**VaporKote, Inc.**
Anaheim, CA - (714) 632-8607
www.vaporkote.com

Cost-effective solutions for erosion & high temperature corrosion protection of critical metal parts.

Categories: Age Hardening, Annealing, Boronizing, Normalizing, Stress Relieving, Tempering.

**WPC Treatment Co., Inc.**
Torrance, CA - (310) 782-8647
www.wpctreatment.com

WPC metal surface treatment service provider. WPC treatment improves fatigue strength and oil retention of gears and cutting tools.

Categories: Coatings.
Bluewater Thermal Solutions provides a wide variety of thermal processing for steel, stainless steel, cast irons, powder metals, titanium, aluminum, nickel-based alloys, and non-metallic materials.

**Categories:** Age Hardening, Annealing, Boronizing, Brazing, Carbonitriding, Carburizing, Induction Hardening, Other Heat Treating Services, Stress Relieving, Tempering, Vacuum Treating.

**Bodyhardchem**
Baroda - 390002, Gujarat, India - +(91) 265-2780789
[www.bodyhardchem.com](http://www.bodyhardchem.com)
Manufacturer of various types of heat treatment salts and surface treatment chemicals.

**Categories:** Annealing, Austempering, Black Oxiding, Die Quenching, Other Heat Treating Services, Tempering.

**Cambridge Heat Treating Inc.**
Cambridge, Ontario Canada - (519) 653-7002
[www.cambridgeheattreating.com](http://www.cambridgeheattreating.com)
Carburizing, Hardening, Tempering, Cryogenics, Nitriding, DLC Coating, Vacuum Hardening, Carbonitride.

**Categories:** Age Hardening, Annealing, Carbonitriding, Carburizing, Cryogenics, Ion Nitriding, Nitriding, Nitrocarburizing, Normalizing, Other Heat Treating Services, Stress Relieving, Tempering, Vacuum Treating.

**Contour Hardening, Inc.**
Contour de Mexico Silao Mexico, -(317) 876-1530
[www.contourhardening.com](http://www.contourhardening.com)
Provider of induction equipment and services. Contract induction heat treat.

**Categories:** Induction Hardening, Stress Relieving, Tempering.

**Controlled Thermal Processing, Inc.**
O'Connor, Western Australia - +(61) 08-9337-5517
[www.metal-wear.com](http://www.metal-wear.com)
Deep Cryogenic Treatment (DCT) for wear resistance.

**Categories:** Cryogenics.

**Härterei Reese Bochum GmbH**
44807 Bochum-Riemke, Germany - +(49) 234 9036-51
[www.harden.com](http://www.harden.com)
Categories: Carburizing, Plasma Carburizing.

**HighTemp Furnaces Limited**
Bangalore, Karnataka India - +(91) 80-28395917
[www.hightemp-furnaces.com](http://www.hightemp-furnaces.com)
What sets us apart is the fact that HighTemp offers both atmospheric heat treatment furnace systems and commercial heat treatment.

**Categories:** Age Hardening, Aluminum Treating, Annealing, Austempering, Black Oxiding, Blast Cleaning, Boronizing, Brazing, Carbonitriding, Carburizing, Cryogenics, Die Quenching, Hot Oil Quenching, Induction Hardening, Ion Nitriding, Laser Nitriding, Normalizing, Other Heat Treating Services, Plasma Carburizing, Press Quenching, Salt Bath Nitriding, Sintering, Steam Treatment, Straightening, Stress Relieving, Tempering, Vacuum Treating.

**Ionitech Ltd.**
1582 Sofia, Bulgaria - +(359) 2-439-0400
[www.ionitech.com](http://www.ionitech.com)
IONITECH manufactures ion nitriding and carbonitriding installations as well as degreasing installations. **Categories:** Aluminum Treating, Black Oxiding, Carbonitriding, Ion Nitriding, Plasma Carburizing.

**Klingelnberg AG**
CH-8050 Zurich, Switzerland - +(41) 44-2787979
[www.klingelnberg.com](http://www.klingelnberg.com)
Klingelnberg is a world leader in the development, manufacture and sale of gear production machinery and related equipment. Categories: Press Quenching.

**Mackeil Ispat & Forging Ltd.**
Kolkata, West Bengal India - +(91) 33 2282 9195
[http://mackeilforgings.com](http://mackeilforgings.com)
Categories: Annealing, Die Quenching, Hot Oil Quenching, Stress Relieving, Tempering.

**McLeod and Norquay Ltd.**
Surrey, BC Canada - (604) 590-0956
[www.mcleoandnorquay.com](http://www.mcleoandnorquay.com)
Case/Thru Hardening 34”H × 33”W × 66”L Stress Relieve 16’L ×8’6”W × 10’ H.

**Categories:** Age Hardening, Annealing, Blast Cleaning, Carbonitriding, Carburizing, Cryogenics, Die Quenching, Hot Oil Quenching, Induction Hardening, Normalizing, Stress Relieving, Tempering.

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NAVI MUMBAI, Maharashtra India - +(91) 22 41423456
[www.nishagroup.com](http://www.nishagroup.com)
Manufacturers of cast / fabricated spares & fixtures for heat treatment furnaces. We also manufacture Stop Off compounds for preventing Gas Carburising / Gas Nitriding.

**Categories:** Stop-off Paints.

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El Marqués, Querétaro, Mexico - +(52) 4422215243
[www.nitrex.com](http://www.nitrex.com)
NITREX improves the properties of metals, extending the life of gears for a wide range of industries

**Categories:** Annealing, Brazing, Carbonitriding, Carburizing, Cryogenics, Induction Hardening, Normalizing, Other Heat Treating Services, Stress Relieving, Tempering.

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[www.pentictonfoundry.com](http://www.pentictonfoundry.com)
Ductile Iron and Austempered Ductile Iron Gears. We specialize in gears weighing up to 5,000 lb.

**Categories:** Annealing, Austempering, Blast Cleaning, Normalizing, Tempering.

**Thermetco Inc.**
Montreal, QC Canada - (514) 934-4684
[www.thermetco.com](http://www.thermetco.com)
Specilized in carburizing of large gears & pinions Pit furnace : Ø 56” × 80”
AS9100C – NADCAP.

**Categories:** Age Hardening, Aluminum Treating, Annealing, Black Oxiding, Carbonitriding, Carburizing, Cryogenics, Die Quenching, Hot Oil Quenching, Induction Hardening, Normalizing, Other Heat Treating Services, Stress Relieving, Tempering, Vacuum Treating.

**Thermex Metal Treating Ltd.**
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[www.thermexmetal.com](http://www.thermexmetal.com)
ISO 9001 certified, onsite metallurgical lab, high quality carburizing, nitriding, quench & temper, induction.

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**Welland Forge**
Welland, Ontario Canada - (905) 732-7536
[www.wellandforge.com](http://www.wellandforge.com)
Can supply a complete product from hammer to finishing. Heat treated, machining.

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**ZRIME**
Zhengzhou, Henan China - +(86) 371-67710564
Located in Zhengzhou, the capital of Henan Province, Zhengzhou Research Institute of Mechanical Engineering (ZRIME) has undergone 50 years of development.

**Categories:** Die Quenching, Flame Hardening, Hot Oil Quenching, Induction Hardening, Laser Hardening, Press Quenching.