

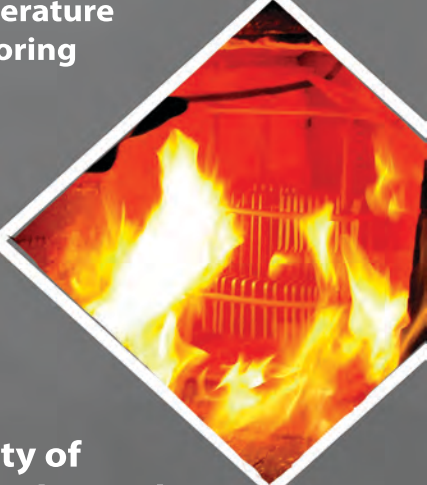


WESTMORELAND

MECHANICAL TESTING & RESEARCH

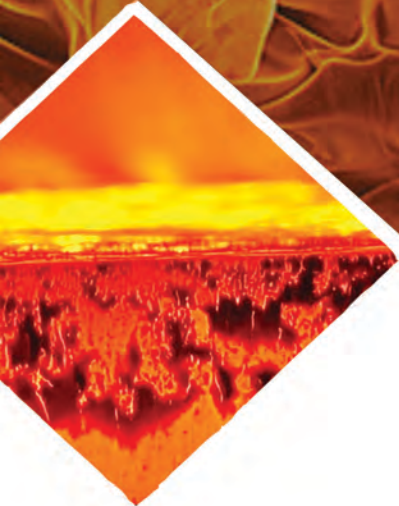
HEAT TREATMENT EXPERTS

Hundreds of Thermocouples for Temperature Monitoring



Variety of Thermomechanical Processes

Temperatures up to 2750°F



Do You Need To...

- Gain regulatory approval?
- Improve product performance?
- Verify engineering specifications?
- Determine material characterization?
- Identify material failures?
- Outsource Quality Assurance or Quality Control?

Why Westmoreland?

Westmoreland Mechanical Testing & Research is a family owned and operated, independent testing and research laboratory that provides all-inclusive testing for a wide variety of non-metallic and metallic materials, offering standardized and customized testing solutions.

Services

- Homogenizing
- Annealing
- Spheroidizing
- Quench Tanks
- Ferrous Alloys
- Non-Ferrous Alloys
- Solution Treating and Aging
- Thermomechanical Processing
- Radiant Furnaces
- Environmental Chambers
- Process/Recrystallization Annealing
- Forced Convection Furnaces

- ✓ Over 50 Years of Materials Testing Expertise
- ✓ Forced Convection Furnaces and Quench Tanks up to 1200lbs
- ✓ Ferrous Alloys: Normalizing, Quenching, Tempering up to 2750°F
- ✓ Ferrous Alloys: Cryogenic Treatments down to -325°F
- ✓ Non-Ferrous Alloys: Solutioning, Annealing, Artificial Aging up to 1200°F
- ✓ Customized Data Specific to Customer Requirements
- ✓ Expedited Turnaround - Same Day, Next Day, 24-Hour
- ✓ Entrusted by Thousands of Companies Worldwide
- ✓ State-of-the-Art Facilities and Laboratories



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What Materials Can Be Heat Treated?

Westmoreland Mechanical Testing & Research's Heat Treat Department has conducted production-scale processing of raw materials and finished parts. We can provide heat treatment for non-ferrous alloys and ferrous alloys.

Typical Heat Treatments:

- Beta Anneal**
- Annealing**
- Solution treat and age**
- Quench and temper**
- Various quenching media**
- Inert Atmosphere heat treatments**



Westmoreland Mechanical Testing & Research have experience conducting processes following specifications from ASTM, AMS, ASME, GE, military and government departments. Additionally, we have the flexibility and expertise necessary to model production processing on a smaller scale providing data on experimental batches, facilitating processing decisions.

Equipment such as customized forced convection bottom-drop furnace with the ability to quench 1200lbs of material into one of the quench tanks in under ten seconds!

For a full list of services:

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