

STEEL HEAT TREATING



6' diameter x 100' LONG vessel for ASME stress relief at Derrick Company.

WE DO THE BIG STUFF ...AND MORE!

Derrick Company has been providing metal heat treating services throughout the United States and Canada since 1943. As the above photo illustrates, at Derrick we specialize in handling **VERY LARGE PARTS!** Our large 14 ft. x 14 ft. x 44 ft. long furnace, with door openings on each end, gives us the ability to process parts up to 100 ft. long & 100,000 lbs. While we are indeed experts at processing large parts/loads, we also process small and medium size parts on a regular basis (100 lbs.+).

Other furnaces/ovens at Derrick range in size from our large 12 ft. x 12 ft. x 35 ft. long car-bed furnace, down to our smallest 4 ft. x 4 ft. x 6 ft. automatic, electric oven. Our quenching capabilities include forced air, water, boiling water, glycol solution, and press quench.

TYPICAL PROCESSES PERFORMED

- Stress Relief
- Annealing/Solution/Sub-Critical
- Normalizing
- Normalize & Temper
- Precipitation Hardening
- Forced Air/Water/Glycol Quench
- AMS, AWS, ASME, Other Specifications
- Aluminum Solution Treatment
- Aluminum Aging, Stress Relief, Anneal

ITEMS & MATERIALS PROCESSED

- Weldments
- Castings
- Forgings
- Fabrications
- Pressure Vessels
- Boiler Shells
- Tanks
- Power Piping
- Carbon Steel
- Stainless Steel
- Ductile Iron
- Gray Iron
- Alumium
- Inconel
- Hastelloy
- Nickel

CERTIFIED EQUIPMENT

All heat treating monitoring and recording equipment is calibrated and certified according to standards traceable to N.I.S.T. and in compliance with MIL STD 45662A and ANSI/NCSL Spec. Z540-1.



Furnace	Size (W x H x L)	Max. Temperature
1	10' x 7' x 10'	1300 DEG. F.
6	12' x 11' x 35'	2000 DEG. F.
7	10' x 10' x 25'	1450 DEG. F.
8	4' x 4' x 6'	1350 DEG. F.
Q1	6' x 8' x 8'	1250 DEG. F.
A1	14' x 14' x 44'	500 DEG. F.