

Heat Treating Equipment

Quick Specs

Process

- Induction & Resistance Heating

Maximum Heating Temperature

- ArcReach Heater: 600°F
- ProHeat 35: 1450°F
- CooperHeat 70kVa: 2200°F

Induction Heating: Induces heat electromagnetically by subjecting the part to a high-frequency magnetic field. The magnetic field creates eddy currents, exciting the parts molecules causing friction which generates heat. Part must be magnetic.

Resistance Heating: Uses flexible ceramic heating elements, with a low voltage wire running through them that heats the ceramics. The ceramic pads are in contact with the part and when heated transfer the heat into the part. Capable of heating all materials.

Applications

- Power
- Petrochemical
- Refineries
- Fabrication
- Shipyards
- Structural
- Oil and gas

Self Perform all of your Heating Applications: Preheat, Bake-out and Post Weld Heat Treatment up to 2200 degrees Fahrenheit!

Red-D-Arc provides the user with the flexibility to heat treat any application with our full range of heat-treating equipment.

Whether you are looking for a way to speed up preheating with induction or need a controlled method to post weld heat treat a large vessel, a solution can be tailored to your application.

Red-D-Arc carries the latest equipment from Miller Electric and Cooperheat to meet your needs. We can help you select the right tool for your application.



Miller ArcReach® Heater

- Small ultra-portable field induction heating system
- 8kW output, powered off ArcReach enabled equipment.
- Preheating air-cooled system with cables and quick wrap
- Built in data recorder
- Max temp. 600°F / Weighs 43 lbs.



Miller ProHeat™ 35 Induction Heater

- Larger induction heater that can handle applications needing greater heating capability
- 35kW output, 460-575 VAC
- 3-Phase, 60 Hz
- Liquid and air-cooled cables can also be used with specialized blankets
- Max temp 1450°F [w/ limitations]



CooperHeat Resistance Heating

- 70kVa 6 Channel heating module can be used standalone or with data recorder/controller
- Cooper8 Data recorder/controller capable of remote viewing / control of process
- Reliable, controlled heating to 2200°F – all materials

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Red-D-Arc