Thank you for the opportunity to introduce our company, Deltech, Inc. (Deltech Furnaces)

What we do:
We design and manufacture resistance heated laboratory and production scale furnace systems. Custom design is our specialty; we can meet the most demanding of application requirements.

Who we serve:
Materials science, glass, and petrology researchers and industrial ceramics and specialty glass manufacturers around the world.

We are an ISO 9001:2015 certified company, founded in 1968.

All control systems are certified to by Intertek UL508A compliant.
United States Customers Include:

- NASA
- ATK
- CORNING
- Raytheon
- KYOCERA
- CoorsTek
- Los Alamos National Laboratory
- 3M
- Deltech Furnaces
Our International Customers Include:

- CSIRO
- UCL
- FERRO
- UEPG
- CoorsTek
- Reliance
- Dentsply Sirona
2000°C

» Operating temperatures up to 2000°C in air and in inert atmospheres

» Two lab scale models primarily used for research and development purposes.

» Customers include USACE, Johns Hopkins University, NASA.
» Operating temperatures up to 1800°C in air and 1700°C in inert atmospheres
» Both lab and production scale for use in R&D and in ceramic components production
» Optional forced air and venting functions
» Pneumatic and electric lifts
» Customers include Coors Tek, Kyocera, and Northrup Grumman
» Operating temperatures up to 1800°C in air and to 1700°C in inert atmospheres
» Both lab and production scale for use in R&D and in ceramic components production
» Optional forced air and venting functions
» Manual, pneumatic, and electric door operation designed to suit for each project
» Customers include PCC Structural, Heraeus, Honeywell, G.E. Aviation
» Operating temperatures up to 1800°C in air and to 1700°C in inert atmospheres
» Lab scale and “big batch” for specialty glass R&D and manufacture
» Optional stirring systems including automated control
» Special designs including such features as drain spouts for rapid quenching
» Pneumatic and electric lifts
Horizontal / Vertical / Combination HT/VT, and bottom loading Vertical Tube

» Operating temperatures up to 1800°C

» Optional gas mixing systems and tube plugs

» Optional water cooled end caps (included on bottom loading vertical tube units)

» Our vertical tube models are widely used in petrology labs for such applications as conducting oxygen fugacity studies

» Customers include Academia Sinica, Cornell University, the Jet Propulsion Laboratory, Seoul National University, the University of Edinburgh
Materials Test

» Operating temperatures up to 1800°C

» Designed to be used in conjunction with tensile testing equipment

» Custom designed and built to meet specific application requirements

» Customers include GE Global Research, NASA, Battelle
» Operating temperatures up to 1700°C
» Operating pressures up to 1500 psi
» Custom designed and built to meet specific application requirements
» Customers include the National High Magnetics Laboratory at Florida State University
Rocking/Oscillating Motion

- Operating temperatures up to 1600°C
- Custom designed and built to meet application requirements
- One application is stirring while heating the contents of ampoules containing glasses
- Customers include Battelle and Teledyne Energy
» Operating temperatures up to 1700°C

» Sizes from benchtop to small scale production

» Customers include Corem, HPCL, Sandia National Laboratory

» Custom designed and built to meet specific application requirements

» One application is continuous powder processing in inert atmospheres
» Operating temperatures up to 1800°C in air and 1700°C in inert atmospheres
» Both lab and production scale for use in R&D and in ceramic components production
» Optional forced air and venting functions
» Pneumatic and electric lifts
» Customers include Coors Tek, Battelle, Corning, Saint-Gobain
» Operating temperatures up to 1800°C

» Ideal for scaling up from laboratory size while maintaining temperature uniformity impossible in large gas fired kilns

» Customers include Robocasting, Inc.
Spare Parts

- Reline insulation parts and kits
- Heating elements
- Element accessories such as holders and straps
- Thermocouples
- Ceramic components such as hearth plates
Custom design and builds to meet the most exacting and demanding application requirements are our specialty.