



# Materials Test

1500°C – 1800°C

## Deltech Furnaces

**ISO 9001:2015 certified**

Deltech offers custom designed and built materials test furnaces for use with your particular test apparatus. Common materials test applications include bond strength, break strength, compression, creep, and crush resistance. Materials include glass, minerals, metals, ceramics, coatings and composites.

- Workspace sizes as small as 25mm in diameter and 80mm high.
- Operating temperatures up to 1800°C
- Single and multizone heating with control systems for each zone.
- Ports (including viewing ports with quartz lenses) and feed throughs for test grips, extensometers, and other test apparatus as needed for your application.
- Operation in air and inert atmospheres.
- Custom hardware designs for wall mounting or



Partner with us to design and build the perfect furnace for *your* process

# Control Systems

Every Deltech control system is certified by Intertek to be UL508A compliant. Standard safety features include an emergency stop, door interlocks, safety relay, and isolation switches.

Nema One enclosures with a side hinged front door opening allows easy access to all components.

Eurotherm 3504 autotuning programmable temperature controller is our standard; other controllers are available upon request.

Optional, customized HMI systems (Human Machine Interface) allow remote access and control; data acquisition; and event logging.



Deltech Control Systems Include:

- Control Concepts power controllers.
- Olsun transformers.