



# Custom Tunnel Kilns

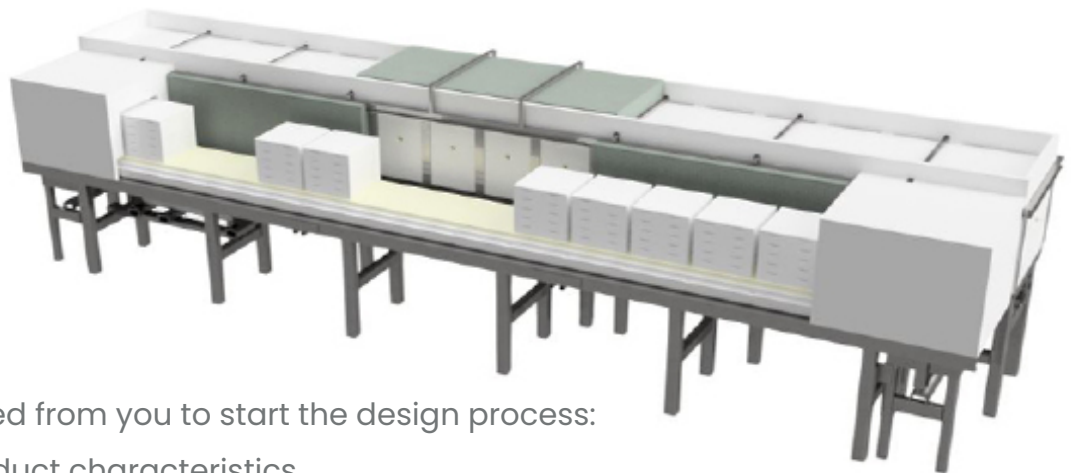
**Small Scale**  
**1500°C – 1800°C**

## Deltech Furnaces

**ISO 9001:2015 certified**

Changing from electric fired to gas fired furnaces can result in significant changes in product outcomes. A custom Deltech tunnel kiln offers a great way to scale up while duplicating the conditions found in resistance heated batch furnaces. Depending on your process parameters, a tunnel kiln might be preferable to a production size “top hat”, bottom loader, or front load furnace, while still maintaining the rapid heating and cooling and exceptional temperature uniformity characteristic of Deltech non-continuous furnaces.

- Sustained operating temperatures up to 1800 degrees Celsius.
- Fiberboard or ceramic lined
- Single or multizone including preheat and cool down sections
- Optional controlled atmosphere capability
- The ability to add additional length as product demand grows
- Control systems that are custom, like your new kiln
- Control systems are certified by Intertek UL508A compliant



Information we need from you to start the design process:

- Product characteristics
- Workspace size
- Desired operating temperatures
- Number of zones
- Temperature requirements of individual zones
- Product dwell time at the desired temperatures

Concerned about your proprietary process? We will gladly sign an NDA.

Unsure of what features your custom tunnel kiln might need? We can help.

# 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.