



Rotary Tube

1500 °C – 1700 °C

Deltech Furnaces

ISO 9001:2015 certified

Rotary tube furnaces are well suited for applications such as calcining which require the continuous throughput of loose materials. Every Deltech rotary tube furnace is custom designed and built to the optimal size and configuration for your process requirements.

- Resistance heated with silicon carbide or molydisilicide heating elements for sustained operating temperatures up to 1700 degrees Celsius.
- Single and multiple zone
- Customized rotation speeds and gradients.
- Processing in air, oxygen, and inert atmospheres
- Fully programmable operation with fully integrated control panels.



Here are some questions we will have for you when you contact us to start the design process:

1. Your preferred tube material (stainless steel, quartz, Inconel...)
2. Desired rotation speed (3-7 rpm is standard)
3. Feed type (screw conveyor, vibratory hopper, other or none)
4. Does the furnace need to be sealed?



Don't have the answers? We can assist you in determining the best features 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.