



**LEAD WITH TECHNOLOGY.
SUCCEED WITH SERVICE.**



**The Market Leader in
Continuous Furnace
Technology.**

CONTINUOUS SINTERING FURNACES

Abbott furnaces are custom designed to meet our customer specifications. Our commitment to technology and service has enabled Abbott to develop long-term business relationships with our customers.

ABBOTT FURNACE COMPANY employs a highly skilled work force to produce quality continuous belt furnaces and accessory products. In support of our original equipment manufacturing activities, we also offer custom fabrication of replacement parts, repair service for a wide range of power and temperature controllers as well as calibration services.

FEATURES	DESCRIPTION
Alloy or Ceramic Muffle	Pro-rated 5-year warranty on our ceramic muffle.
Muffle Electric Heating	Combination of wire and silicon carbide heating elements provide excellent temperature uniformity.
Gas Heating	Our gas heating systems incorporate ABBOTT's "pulse-fire" technology.
Quality Delube Process (QDP)	The use of custom designed reaction/combustion chambers and a regulated atmosphere control, combined with our under-hearth heating system, assures that the delube process is completed efficiently.
Rapid Cooling System (Varicool)	Advanced cooling system combines both atmosphere and water-jacketed cooling technology into one economical unit.
Atmosphere Moisturizing	Utilized to alter furnace dewpoints to ensure proper atmosphere conditions.
Monitoring & Control	Advanced computerized monitoring and control systems for temperature, atmosphere flow, dew point, oxygen content, belt speed, etc.

ABBOTT SINTERING FURNACES can be designed for a variety of processes.

Base Powder Materials

- Iron/Steel
- Stainless Steel
- Copper
- Brass
- Aluminum

Atmospheres

- Nitrogen
- Hydrogen
- DA
- Endothermic
- Exothermic
- Argon

Process Control

- Time/Temperature
- Atmosphere Integrity
- Dew Points

Maximum Temperature

- 1288° C / 2350° F