



CONTINUOUS BELT **SINTERING FURNACES**

Sinterite engineers and manufactures furnaces specific to the powder metal industry. Our designs are built to rigorous standards using advanced technologies and materials to provide years of reliable operation at process temperature extremes. Sinterite designs are modular and configurable to meet your specific sintering needs. Your Sinterite furnace is backed by superior customer service and expertise.

A folded and compressed ceramic fiber blanket insulation is used to reduce shrinkage and gaps, providing economy, reliability and efficiency. The belt drive is sized to minimize stress and extend operating life. Heavy duty steel construction provides a rigid shell to reduce flexing and provide support for components. Cooling sections are supported on free moving rollers to accommodate muffle growth, reducing stress and extending muffle life. Controls, instrumentation and components are selected from international suppliers to give you dependable operation and readily available replacement parts.



Quality is designed in. Sinterite furnaces are designed to comply with established environmental, safety, and construction standards, including NFPA, ASTM, OSHA and NEC. They are also certifiable to European CE specifications.

ANNEALING

BRAZING

DRYING

SINTERING

STEAM TREATING

EQUIPMENT FEATURES

- Manufactured for strength at high temperatures.
- Ceramic fiber insulation for low heat storage and loss.
- Silicon carbide muffle supports on heavy duty alumina piers.
- Closed loop temperature control.
- Proportional or on/off power control.

DESIGN OPTIONS

- Silicon carbide or wire-wound heating elements.
- Direct-fired or radiant tubes.
- Alloy or ceramic muffle.

MUFFLES AND RETORTS

A ready inventory of alloy steels and a staff of highly trained and dedicated fabricators make fast, reliable fabrication of replacement muffles and retorts possible.



SINTER-HARDENING

The HyperCooler, exclusively manufactured by Sinterite, is a sinter-hardening system based on impinging jet array technology that improves variable cooling adjustment and atmosphere stability.

AUXILIARY EQUIPMENT FOR POWDER METAL PROCESSES

- Delubrication furnaces
- Accelerated delubrication systems
- Steam treating furnaces
- Vacuum impregnators
- Automated load/unload systems
- Infiltration
- Elevated temperature sintering
- Powder barrel dumpers
- Bulk powder inverters
- Atmosphere generators
- Ammonia dissociators
- Recirculating water coolers

CUSTOMER SUPPORT

Sinterite stands behind its products with a customer service group ready to provide worldwide after-sale support.

- Equipment installation
- Start-up supervision
- Calibration and furnace profiles
- Preventative maintenance programs
- Equipment evaluations
- Retrofits
- In-house and field rebuilds
- Furnace repairs
- Replacement components
- Replacement sub-assemblies