

Reverberatory Furnace

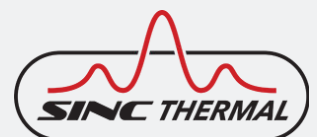
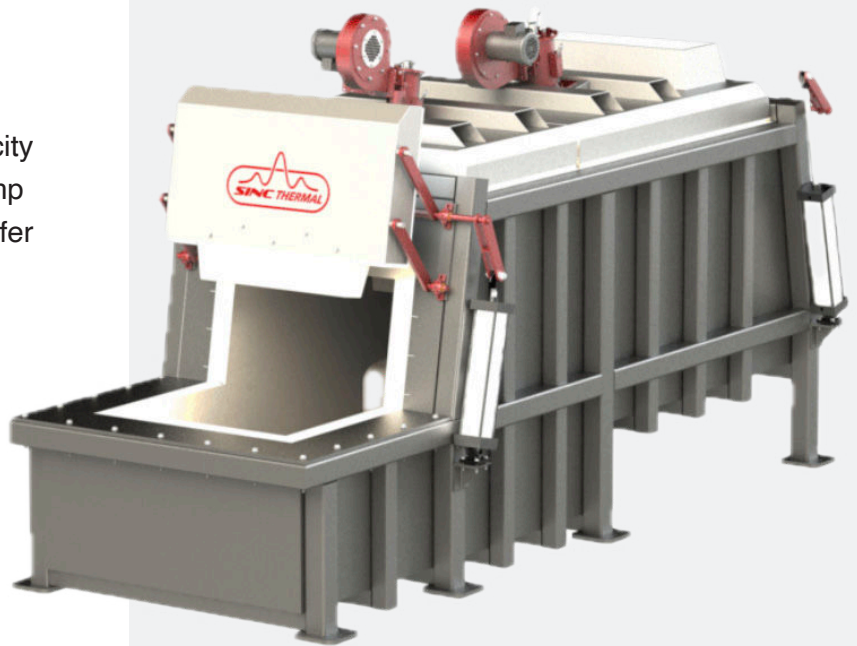
SINC Thermal's Reverberatory furnaces are available in sizes from 12,000 lbs holding capacity and can be configured for bale out, tap out, pump and launder systems for safe and efficient transfer of metal to point of use.

Positive seal doors for reduced oxidation and corundum growth. These furnaces offer the greatest flexibility for charge material and chip recycling and metal stirring can also be incorporated into the pocket.

All SINC furnaces are designed and built with the same attention to detail and have a robust steel frame with carefully selected refractory insulation for maximum efficiency.

SINC's reverberatory furnaces have a simpler optimized design for improved performance, efficiency and lower maintenance requirements, creating a perfect solution for local central melting in foundry applications.

Reverberatory furnaces offer a simple and robust means of melting and holding molten aluminum and can be configured in a variety of ways for direct charging into the molten metal in a charge well or independent melting on a dry hearth.



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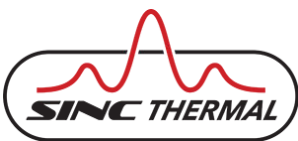
Advantages

- Simple robust construction
- Simplicity of charging with fork truck devices
- Suitable for large and / or low and high density scrap charges
- Larger bath capacities can be equipped with chip melting submergence pump systems

Disadvantages

- Melting rate for charge well furnaces limited to 10% of actual bath capacity
- Chip melting capacity limited to 10% of actual bath capacity
- Low overall holding / melting efficiency
- Addition of cold scrap / ingots to charge well can influence temperature uniformity
- Effective cleaning of larger furnace may require additional investment in mechanical equipment
- Large bath capacities require circulation pumps to maintain metal homogeneity.

All SINC furnaces and equipment are proudly built in our facility in Missouri USA. Customers are always welcome to visit and monitor the build schedules of their furnaces and arrange for maintenance training sessions during the build process.



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