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LEISTERTECH

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SINTERING HEATER

SINTERING HEATER

Efficient Heating for Ramming Mass Applications

LeisterTech's Sintering Heater is the latest innovation in the heating of ramming mass, designed to provide superior efficiency and performance. It employs advanced technology to reduce heat and power loss, ensuring that your materials reach a rock-solid state with optimal resource usage. By heating materials to 500°C, it effectively removes moisture content from the ramming lining mixture, leading to better results and increased durability of the crucible.

What is a Sintering Heater?

A Sintering Heater is a specialized heating system used primarily in the Steel Plants and foundries to heat ramming mass, a refractory material used to line the interior of induction furnaces. The sintering process is crucial in removing moisture from the lining mixture and consolidating it into a hard, durable layer. This creates a robust and solid surface, ready to withstand the extreme conditions of metal melting operations.

KEY FEATURES OF LEISTERTECH **SINTERING HEATER**

The LeisterTech Sintering Heater offers precise temperature control for consistent sintering results.

Efficient Heat Transfer

The sintering heater operates at 500°C, removing moisture from the ramming mass and transforming it into a solid state while minimizing heat loss.

Reduced Power Consumption

By optimizing the heating process, the sintering heater reduces overall power consumption, resulting in energy savings for industrial operations.

Custom Fit Design

Ni-Cr strip-staggered vessels are precisely designed to match the former's dimensions, ensuring a snug fit and efficient heating.

Ni-Cr Strip-Based Heating

Our system uses Nickel-Chromium (Ni-Cr) strips to achieve high efficiency and precise heating. These strips are housed in vessels tailored to the size of the crucible, ensuring uniform heating.

Ease of Use

The heater is connected to a separate power panel, allowing for straightforward operation and control. The process is automated, reducing manual effort and delivering consistent results.

Optimized Crucible Efficiency

By using our sintering heater, you ensure that your crucible is in a ready-to-charge position, reducing preparation time and enhancing the overall efficiency of your operations.

TECHNICAL SPECIFICATIONS

High-precision sintering up to 1600°C, customizable chamber, digital PID control, and advanced safety features.

Operating Temperature : Up to 500°C, suitable for removing moisture and preparing ramming mass for industrial applications.

Heating Element : Nickel-Chromium (Ni-Cr) strips staged in custom vessels based on the former's size.

Power Supply : Powered through a dedicated control panel that allows for precise temperature regulation and monitoring.

Applications : Primarily used for the sintering of ramming mass in induction furnaces, preparing the lining for metal melting operations.

WHY CHOOSE LEISTERTECH'S SINTERING HEATER?

Power Savings

Our technology minimizes heat and power losses, allowing for a more energy-efficient operation.

Improved Material Quality

Achieve a rock-solid state for your ramming mass, which translates into a longer-lasting, more durable crucible.

Precision Heating

The Ni-Cr strip-based vessels ensure uniform heat distribution, delivering high-quality results with minimal manual intervention.

Custom Solutions

We understand that every operation is unique, which is why our sintering heaters are customizable to meet your specific requirements.

Technical Features Sintering Heater

Sr.No.	1	2	3	4	5
Model(kw)	90	110	150	180	250
Furnace	6T	10T	15T	20T-25T	30T-40T

It is the latest method of heating the ramming mass to rock solid state which reduce the heat loss and power loss. It works on 500 Degree centigrade to remove moisture content in the ramming lining Mixture. Ni Cr strip stagged vessels based on former size is to be kept inside the former and given power through separate panel. It reduces the efforts and resulting the better ready to charge crucible position.