

# Jet Melter® Furnace

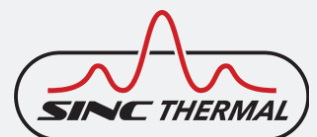
The Jet Melter® and Micro Jet Melter® furnaces are high-efficiency, energy-saving non-crucible type furnaces which combine melting and holding functions.

The Micro Jet-Melter technology provides an unmatched combination of research, design, and technical expertise to meet the needs of the smaller foundry or where melting is required at the point of use.

When it comes to tower melt technology, the Jet Melter furnaces have been a preferred choice for over 40 years! Ingot and scrap are charged into the stack section of the furnace and charge materials are preheated by the exhaust gasses from the melting hearth. This ensures that charge materials are in the ideal condition for rapid melting and low dross creation.

Molten aluminum quickly flows into the bath section where it is held at the desired tapping or casting temperature. An external pocket allows molten aluminum to be ladled or pumped out at the point of use. Alternatively, a tapping valve can be used to transfer metal to holding furnaces at the point of use.

SINC Thermal offers a complete range of melting and holding furnaces along with accessory and peripheral equipment for all alloys and processes. All furnaces and equipment are proudly built in Missouri, USA.



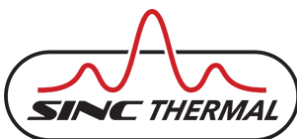
# Jet Melter<sup>®</sup> Furnace

## Characteristics

- 3 Sizes – 500, 800 & 1100 pounds per hour continuous production
- Efficiency – Highest energy efficiency of any gas-fired furnace
- High Metal Quality – Molten aluminum has lower gas & inclusion levels
- Refractory Lined – No crucible to replace
- Temperature Control – Low variations ( $\pm 10$  °F)
- Low Metal Loss – High metal quality = low dross formation
- Easy to Clean – Convenient access doors make cleaning easy

## Key Features

- High energy efficiency – 1,000 BTU per pound
- Reduced melt loss – less than 1%
- High Quality Metal – Low gas & inclusion levels
- Temperature Control  $\pm 18$  °F
- State-of-the-art programmable controls
- Graphic information display
- Fully automated charging system



*In Partnership with Gillespie & Powers*

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