

# Laundry Systems

## Molten Metal Distribution



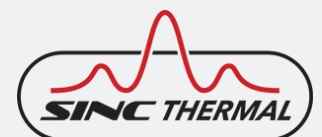
SINC Thermal's molten aluminum launders form complete distribution systems for supplying hot metal to aluminum casting cells from a central melting/holding furnace.

Systems consist of individual bolt-together sections that include inlet, outlet and degassing furnaces, straight launder sections of various lengths, and elbows, wyes, tees and crosses.

Each individual launder component is designed and built for highest energy efficiency, reliability and overall structural integrity. All furnace and launder components feature a multicomponent lining system.

Systems are available with lid mounted radiant heating elements or "bridge" mounted longitudinal immersion elements.

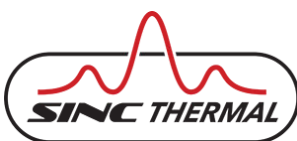
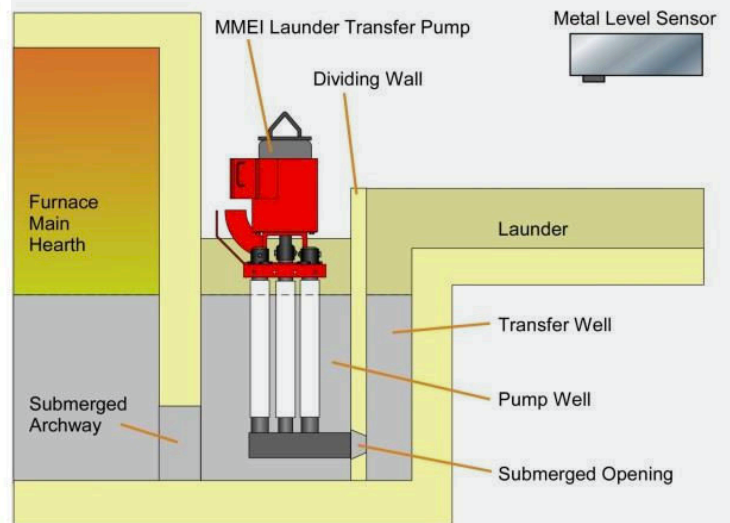
SINC Thermal offers a complete range of melting and holding furnaces along with accessory and peripheral equipment for all alloys and processes. All furnaces and equipment are proudly built in Missouri, USA.



# Laundry Systems

SINC Thermal's laundry systems are designed to include many features that set them apart from conventional systems.

- Optimized channel cross section allows for free metal flows and consistent temperatures.
- Multiple temperature zones feature both chamber and immersed metal thermocouples for accurate and independent control.
- High power input ensures rapid recovery of cold incoming metal temperatures.
- Heavy duty bolt-together construction with ¾" thick flanges
- A "Free Floating" support system allows for thermal expansion in longer systems to eliminate stresses and premature failure
- Rugged multi component refractory installation with nonwetting properties in both hot face and intermediate linings.
- Quick Detach (QD) connectors for easy element and T/C replacement
- Atmosphere inlet connection on T/C spigot for optional connection to inert cover gas supply
- The laundry system itself creates an enhanced holding system allowing for optimized sizing of outlet furnaces and dip-wells.
- Suitable for connection to transfer pumps providing a high level of level control accuracy and consistency.



*In Partnership with Gillespie & Powers*

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