

Isothermal Melter

apogee
Technology Inc.

The World's Most Efficient Aluminum Melting Furnace

Isothermal Melter (ITM) Performance Features

- Melting Energy Approaches Theoretical Limits (≈ 600 BTU/lb)
- Low Holding Energy Consumption (≈ 14 BTU/lb-hr)
- Sub-surface Conduction Heating
- Cool Lid & Wall Temperatures
- Superior Refractory Life
- Low Maintenance Down Time
- Isothermal Holding Capabilities to 1450°F
- Melt Rates up to 4,000 lb/hr (higher melt rates available soon)
- Uniform Temperature Throughout Metal Depth
- Precise Temperature Control
- In Furnace Metal Treatment System

Protected by the following U.S. Patents: 5,963,580; 5,968,223; 6,066,289; 6,444,165; 6,470,041; 7,033,538; others pending

