



## Metal Manufacturing Services

Permatech Technical Services is a highly disciplined technical organization, consisting of over 45 employees offering a broad array of specialized technical services to the aluminum industry. Our expertise in the aluminum industry allows us to efficiently and effectively provide numerous project management solutions in the areas of Molten Metal Handling Operations, Furnace Construction, and Environmental / Health / Safety.

Permatech Technical Services are similar to those offered by other large project management companies. We supply a broad range of services, including specialized engineering, analytical, construction, fabrication, production support, supervisory and management functions. Our staff of professional engineers and scientists specializes in the functions of Mechanical, Chemical and Electrical Engineering, Metallurgy, furnace construction, and project management.

## PERMATECH<sup>®</sup> ADVANTAGE

### Molten Metal Handling Equipment

- Equipment Design and Engineering
- Equipment Installation
- Equipment Operation – Supervision & Technical Support
- Equipment Repair – Supervision & Technical Support
- Welding
- Machining
- Electrical Systems
- Thermal Insulation
- Castable Installation & Repair

### Molten Metal Processing Services

- Molten Metal Safety
- Production Supervision
- Consulting and Design
- Degassing

### Environmental, Health & Safety

- Consulting
- Molten Metal Handling
- Refractory Construction
- Refractory Ceramic Fiber

### Molten Metal Testing Services

- Refractory / Molten Metal Testing
- Cup Test
- Immersion Test
- Oxidation / Reduction Test
- Analytical Testing
- Refractory Polished Section Micrographs
- Alloy Elemental Analysis

### Furnace Services

- Construction Consulting
- Furnace Lining Engineering and Design
- Demolition
- Construction



ENGINEERED FOR  
MAXIMUM PRODUCTIVITY



SHAPING THE FUTURE OF REFRACTORY TECHNOLOGY