



# **FOUNDRY SOLUTIONS** *& Metallurgical Services Inc.*

## **Products and Equipment supply - 2025**

### **REFRACTORY COATINGS FOR METAL CASTING**

Water-Based Coatings  
Alcohol Based Coatings  
Zircon, Alumina, Graphite-etc.  
Boron Nitride  
Brushing-Swabbing-Spraying -  
FlowCoating-Dipping

### **Core Paste, Mold Sealant, Parting, Mudding Compound**

### **NO-BAKE BINDERS**

Polyurethane PUNB resins  
Low VOC / Low HAP's  
Polyol-Urethane Binders for  
Non-Ferrous  
Cold-Box  
Furan  
3D printer resins  
Alkaline Phenolic  
Inorganic No Bake  
Sodium Silicate

### **SAND & ADDITIVES**

Anti-Veining for cores and molds  
Western Bentonite  
Southern Bentonite  
Advanced carbons  
Premix  
Zircon sand

### **SLEEVES & LADLE BOARDS**

Exothermic  
Insulating

### **SAND PROCESSING & MOLDING EQUIPMENT**

PALMER No-Bake Mixers  
FMM +30 molds/hour  
UMM -upto 20 molds/hour  
Core Machines  
Compaction tables  
Mechanical Reclamation  
Systems  
Mixer Blades  
Mold Handlers  
Pneumatic Transporters  
Anti-Veining Feeders  
Resin Heating Systems  
Roller Conveyor  
Rollover Draw Machines

### **MELTING EQUIPMENT & MELT TREATMENT**

SiC 90%  
Carbon and graphite  
Ferroalloys  
Slag coagulant  
-  
Ladle Heaters  
Low Pressure Casting  
Crucible furnaces  
Transport furnace  
Aluminum Degassing Systems  
Aluminum pumping Systems  
Degassing rotors and shafts  
Fluxes

### **SAND TESTING**

### **MELT MEASUREMENT**

Reusable Thermocouple tips  
Surface temperature lance  
SFTA Thermal Analysis  
Grain Refinement  
Eutectic Modification  
Intermetallics Mg<sub>2</sub>Si, AlCu  
Fraction Solid  
RPT – degassing control  
AluLIBS – online chemistry  
QualiFLash – cleanliness

### **CASTING SIMULATION**

**SOLID**Cast  
**FLOW**Cast  
**OPTI**Cast

### **LOW PRESSURE & PERMANENT MOLD CASTING**

SFTube – Riser Tube  
Spacers  
Boron Nitride coating  
3D printed Filters  
Die Coating

### **ROBOTS**

Grinding & Finishing cells  
Ladle robots

### **USED EQUIPMENT**

PALMER Mixers  
Shakeout  
Melting furnaces  
...request updated list

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