



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 and Core Coating
Equipment
Mold Handlers
Mold Parting / Release Sprayer
Pneumatic Transporters
Anti-Veining Feeders
Pumping Systems
Resin Heating Systems
Resin Storage Racks
Roller Conveyor
Rollover Draw Machines

MELTING EQUIPMENT & MELT TREATMENT

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
SFTA Thermal Analysis
Grain Refinement
Eutectic Modification
Intermetallics Mg₂Si, AlCu
Fraction Solid
SFCapture - temperature
RPT – degassing control
AluLIBS – online chemistry
QualiFLash – cleanliness

CASTING SIMULATION

SOLIDCast
FLOWCast
OPTICast

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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