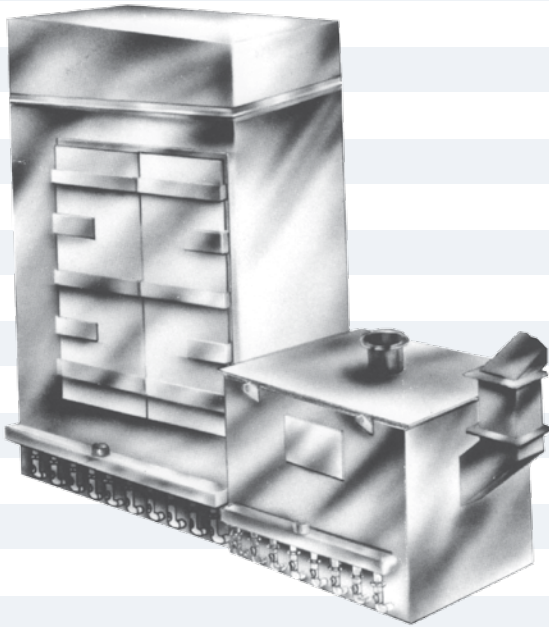


GMD PNU™ COOLER-SCRUBBER FOUNDRY SAND RECLAIMER



- **Post Treat Thermally Reclaimed Clay Bonded Sand.**
- **Reclaim Resin Bonded Sand.**
- **Proven high-performance system.**

SINGLE SOURCE RESPONSIBILITY

GMD's services are not limited to equipment supply. We can provide you with 'total' services, providing single source responsibility for the design, fabrication, erection, and start-up of your entire System. This ensures the most economical system, completed within budget and in a timely manner.

SYSTEM INCLUDES

- GMD PNU™ COOLER-SCRUBBER Unit.
- Blower(s) for fluidizing and Blast Air.
- Plenum Pressure Damper
- Cooling Tower
- Water By-Pass Valve
- Water Pump
- Controls

COOLING: As sand passes through the front section of the combination cooling and scrubbing unit, it is cooled directly with fluidizing air and indirectly via finned water coils in the fluidized bed.

CLEANING: In each compartment of the pneumatic scrubber section of the Patented GMD PNU™ COOLER-SCRUBBER, the sand grains are withdrawn from the fluidized bed by the velocity of the blast air as it exits the nozzle, forced up the blast tube and impacted against layers of sand grains being held against the target by the blast air. Having given up its energy, the sand falls to the fluid bed where it is collected and again withdrawn and blasted up the blast tube. This repeated vigorous sand to sand contact causes organics, clay and metallic oxides to dislodge from the sand grains. This material and unwanted silica fines are drawn off in a controlled atmosphere and exhausted to the dust collection equipment. Recirculation of the sand continues until finally the sand passes over the final weir, discharging from the GMD PNU™ COOLER-SCRUBBER and ready for reuse by the foundry.

Features

- High Scrubbing Efficiency
- Absence of Moving Parts
- Continuous Processing
- Controlled Fines and Dust Removal
- Integration of Cooling and Scrubbing
- High Cooling Efficiency
- Low Energy Consumption
- Unattended Operation
- Proven Total System Concept

Options

- Surge Bin
- Feed System
- PLC Controls
- Graphic Control Package

Guaranteed

- Rated Capacity
- Loss on Ignition
- Cooling Efficiency
- Yield (On Base Silica)
- Sand Screen Distribution

Your Total Pollution Control And Clean Air Engineering Source



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