## Products for the Foundry, Die Casting, and Permanent Mold Industries

## Group



## MAGNETIC SEPARATION & PROTECTION





- · Plate Magnets & Protection
- Tube & Grate Magnets
- Drawer Magnets

Application

- · Liquid Plate & Trap
- Suspended Belt Magnets

## Manufacturer

- Vertical Spout Magnets · Head Pulley Magnets
- · Rotary Drum Magnets



## **FIRE & EXPLOSION PROTECTION**



- Explosion Venting
- Flameless Venting
- · Chemical Suppression
- · Explosion Isolation
- · Spark & Multi Gas Detection
- · Water Mist Suppression



## LOAD SPOUTS



- Standard Spouts
- · Open Stacking Spout
- · Manual Operated Spouts
- Low Profile Spouts



## SILO DISCHARGER



- Multiple discharge points
- · Controlled material discharge
- · First In, First Out flow
- Pressure shock design ideal for explosive materials
- · Positive shut off
- · Totally sealed dust free design



## SCREW CONVEYORS, MIXING, BLENDING





- · Engineered to Order
- · U-Trough, Split Tube, Feeders, Heat & Cool
- Paddle & Ribbon Mixers / Blenders
- Continuous Mixer / Pug Mill
- Size Reduction Equipment



## **SOLID & AIR FLOW MEASURING**



- · Solid Flow Meters
- Solid Flow Feeders
- Solid Flow Fillers
- · Air Flow Measuring



## INSTALLATION & SERVICE OF EQUIPMENT





- · Belt Conveyor Systems
- Rigid Screw
- · Bucket Elevator
- Equipment Modification





## Products for the Foundry, Die Casting, and Permanent **Mold Industries**

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## SHAKEOUT/ATTRITION/SAND CONDITIONING



**GREEN SAND SYSTEM/MATERIALS HANDLING** 







**DUST COLLECTORS & WET SCRUBBERS** 



- · For Cast Iron, Aluminum, and Steel

Pulse Cleaned Bag Collectors

· Off Line Programing

**Application** 

· Casting Shakeout

· Sand Attrition Mill

· Sand Cooling

Handling

Pallet Lines

Casting Cooling

· Vibrating Conveyors

Sand System Engineering

Sorting Casting Turn Tables

Custom Indexing Mold

Mold Punch Outs

Maus Caat software programing optimization



Manufacturer

**Carrier** 



## · CNC Technology for cut off, grinding, and

· Patented Delta

Phase Drive

· On Demand Change to

Angle of Attack & RPM

· Pulse Clean Cartridge

· Venturi Scrubbers

· Cut off , grinding , and

For Cast Iron , Aluminum ,

· Complete automated cells

 Off Line Programing with CAD/CANM software

Collectors

Bin Vents

Cyclones

deburring

and Steel



## Eductor Scrubbers

· Telescoping Flask Filler

Water Addition Systems

· Belt Conveyors

Vibrating Conveyors

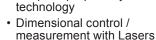
Bucket Elevators

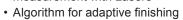
Screw Elevators

- Impingement Plate Scrubbers
- · Pack Tower Scrubbers



## Adaptive proprietary





Automatic tool path generated





**CUT OFF/GRINDING/DEBURRING** 



## PREMIUM ROUND GRAIN SILICA SANDS

- · Foundry / Metal Casting · Building Products
- Chemical Production
- Paints & Coatings
- · Glass Making & Ceramics
- Water filtration

# smartsand<sup>6</sup>

## · Bulk Silo Systems

- Pneumatic Conveying
- Mechanical Systems · Liquid Handling Storage
- & Batching Systems

• Dilute & Dense Phase

- Bulk Bag Unloaders & Bulk Bag Fillers
- · Scaling & Batching Systems
- · Finished Goods Bulk Handling
- · Automated Controls Systems with PLC to PC data tracking & inventory management



## **GREEN SAND CONTROLS**







## Application

Drv Filters

Diverters

- Cartridge Filters
- Envelope Bags
- Pleated Bags
- · Liquid Filter Bags

· Rotary Valves & Air Locks

· Slide & Control Gates

· Double Dump Valves

Round Head Valves

Roto Speed Switch

Screw Conveyors

Bucket Elevators

- Dust Collector Valves
  - · Dust Collector Timer Boards

· Dust Collector Cages

Retrofits



Manufacturer

## ROTARY VALVES, DIVERTERS, & SLIDE GATES

**DUST COLLECTOR REPLACEMENT PARTS** 



Group



## **CONVEYORS**



- Belt Conveyors
  - · Drag Chain Conveyors
- · Live Bottom Feeders
- · Heat Transfer Conveyors
- Shaftless Screw
- ⅂ℎΩℋ℄Ωⅆ conveyor company

## STEEL TANKS





- · Custom Steel Tanks
- Storage Tanks (Liquid & Dry)
- Pressure Vessels
- Hazardous Chemical Tanks

Hazard Monitors and Controls

Level Detection and Inventory

RadarTrack™, RadarMax™

- · Half Pipe & Reactor Tanks Ball Mills
- Custom Manways & Tank
- Components

· Remote Monitoring



## LEVEL MONITORING SYSTEMS



- Flow / No Flow Detection · Wireless and Solar Options
- · Handheld and PC Software
- · Installation and Service

## INDUSTRIAL VACUUM CLEANERS



- · Portable Vacuum Systems
- Pneumatic Conveyance · Specialty Vacuum Systems
- Dust Collectors

Green Sand Expert

Central Vacuum Systems



- · Green Sand Mixers
- · Green Sand Molding
- Equipment Rotary Drums
- Flasks



## THERMAL PROCESSING & COOLING



**INGREDIENT BATCHING** 



- · Rotary Calciners & Kilns
- Flash Dryers & Coolers
- Multidisc Dryers & Coolers
- · Fluid Bed Dryers, Coolers & Granulators
- · Rotary Dryers, Coolers & Granulators
- · Rotary Mixing, Curing & Coating Drums
- Screw Presses, Pugmills & Cookers



## SCREENER/CLASSIFIER & SCALPING

- Screening
- · Multi-Frequency Screener
- Scalping
- · Classifier / Air Knife

