Bulk Material Handling & Processing Equipment

Group LOAD SPOUTS



Application

- Standard SpoutsOpen Stacking Spout
- Manual Operated Spouts
- Low Profile Spouts



Manufacturer

PREMIUM ROUND GRAIN SILICA SANDS



• Foundry / Metal Casting

- Building Products
- · Chemical Production
- · Paints & Coatings
- Glass Making & Ceramics
- Water filtration



AIR SYSTEMS



Using air to remove fines, dust and other light weight materials

- No moving parts
- · Use after screening or before bagging / packaging



INSTALLATION/SERVICE/FABRICATION



 Installation & Engineering Services

- Belt Conveyor Systems
- Piping
- Bucket Elevator



LEVEL MONITORING SYSTEMS



· Hazard Monitors and Controls

- Level Detection and Inventory
- RadarTrack $^{\text{TM}}$, RadarMax $^{\text{TM}}$
- Flow / No Flow DetectionWireless and Solar Options
- · Handheld and PC Software
- Installation and Service

Remote Monitoring



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





Bulk Material Handling & Processing Equipment



Explosion & Fire Protection Flow Measurement Magnets

Bucket Elevators Dryers / Coolers

Pneumatic Conveying Rotary Air Locks Screening

Thermal Screws

Size Reduction And much more!

Rotary Dryers

Wet Scrubbers

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Bulk Material Handling & Processing Equipment



Material Handling & Processing Equipment The answer to process improvements

Group **Application** Manufacturer Group **Application** Manufacturer

DRYING/COOLING AND PROCESSING



Vibrating Fluid Bed

- · Static Fluid Bed
- Flash Drying
- Media Slurry Dryer
- Tornesh Dryer
- Spiral Elevator Processing



- Mechanical Systems
- · Liquid Handling Storage & Batching Systems
- Bulk Bag Unloaders & Bulk Bag Fillers

· Patented Delta Phase Drive

· Scalping / Classifier / Air Knife

· Rail Car & Truck Storage Pile

Vibrating Conveyors (process as you convey)

• On Demand Change to Angle of Attack & RPM

· Heavy Duty Feeders / Bin Discharger

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



AUTOMATED

SYSTEMS

INGREDIENT



CONVEYORS





- Screw Conveyors Bucket Elevators
- Belt Conveyors
- · Drag Chain Conveyors
- · Live Bottom Feeders
- Heat Transfer Conveyors
- Shaftless Screw



INGREDIENT BATCHING











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





STEEL TANKS





- · Custom Steel Tanks
- Storage Tanks (Liquid & Dry)
- Pressure Vessels
- · Hazardous Chemical Tanks
- · Half Pipe & Reactor Tanks
- Ball Mills
- Custom Manways & Tank Components



VIBRATORY & PROCESS EQUIPMENT





- Flash Dryers & Coolers
- · Rotary Dryers, Coolers & Granulators
- & Coating Drums
- & Cookers

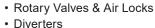




THERMAL DRYING SOLUTIONS





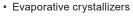


- · Slide & Control Gates
- Double Dump Valves
- Round Head Valves
- · Roto Speed Switch



- · Vacuum drying in a pan, single and double drum, and rotary
- · Cooling drum flakers
- Evaporation. Distilation & Separation
- · Forced circulation evaporators

Natural circulation rising film



evaporators

evaporators

· Plate evaporators

SCREW CONVEYORS, MIXING, BLENDING





- · Continuous Mixer/Pug Mill
- · Size Reduction Equipment
- · U-Trough, Split Tube, Feeders, Heat & Cool
- Paddle & Ribbon Mixers/Blenders
- · Heating, Cooling, Vacuum Drying Options
 - Waste Handling Scrubbers



C,TECHNOLOGY®

MAG SEPARATION: RARE EARTH & CERAMIC





Plate Magnets & Protection

Suspended Belt Magnets

- Tube & Grate Magnets Drawer Magnets
- · Liquid Plate & Trap
- · Vertical Spout Magnets · Head Pulley Magnets
- Rotary Drum Magnets



Buflovak

FIRE & EXPLOSION PROTECTION





- Explosion Venting
- · Flameless Venting
- · Chemical Suppression
- · Explosion Isolation · Spark & Multi Gas Detection
- · Water Mist Suppression
- Bin Vents
- Cyclones
- Venturi Scrubbers
- Eductor Scrubbers
- Impingement Plate Scrubbers
- Pack Tower Scrubbers



SOLID & AIR FLOW MEASURING



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



DUST COLLECTORS & WET SCRUBBERS



- · Pulse Cleaned Bag Collectors
- Pulse Clean Cartridge Collectors

TUMBLE BLENDERS





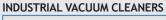
- · Tumble blenders
- · Continuous tumble blending Tubular Vacuum drying
- Vacuum tumble blending dryer / mixer
- · Lab tumble blenders



ROTARY SCREENING



- · Gently Screens Without Product Damage
- Cleans, Sifts, Scalps or Sorts
- · Non-Vibrating Screener · Rotary Drum Design
- · Low Maintenance Fully Enclosed





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

