Bulk Material Handling & Processing Equipment

Application Manufacturer Group

AIR SYSTEMS



- · Using air to remove fines, dust and other light weight materials
- No moving parts
- · Use after screening or before bagging / packaging



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



PREMIUM ROUND GRAIN SILICA SANDS



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



INSTALLATION/SERVICE/FABRICATION



- · Installation & Engineering
- Belt Conveyor Systems
- Rigid Screw
- · Bucket Elevator



LEVEL MONITORING SYSTEMS



- Flow / No Flow Detection
- Hazard Monitors and Controls Remote Monitoring
 - Level Detection and Inventory Installation and Service
 - RadarTrack™, RadarMax™
 - · Wireless and Solar Options
 - · Handheld and PC Software



STEEL TANKS





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



SIZE REDUCTION & AIR CLASSIFICATION





- Whirlwind Air Classifiers
- · Super Fine Air classifiers
- Jet Mill Micronizer both Sanitary & Pharmaceutical designs
- Pin & Hammer Mills
- Hammer Mills
- Jaw Crushers, Roll Crushers, & Rotary Crushers



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Bulk Material Handling & **Processing Equipment**



Explosion & Fire Protection Flow Measurement Magnets

Pneumatic Conveying Rotary Air Locks Screening

Thermal Screws

Size Reduction And much more!

www.sol-techgroup.com

Bulk Material Handling & Processing Equipment



Group



DRYING/COOLING AND PROCESSING







· Rotary Calciners & Kilns

Application

· Vibrating Fluid Bed

· Media Slurry Dryer

· Static Fluid Bed

· Flash Drying

· Tornesh Dryer

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

Carrier

Manufacturer

CONVEYORS

Group





Screw Conveyors

Application

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

Falling & Rising film

· Evaporative crystallizers

evaporators



Manufacturer

THERMAL PROCESSING & COOLING

· Spiral Elevator Processing

- Fluid Bed Dryers, Coolers
- & Granulators



THERMAL DRYING SOLUTIONS





Thermal Drying & Solidfication

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



VIBRATORY & PROCESS EQUIPMENT





- Vibrating Conveyors (process as you convey)
- · Patented Delta Phase Drive
- On Demand Change to Angle of Attack & RPM
- · Heavy Duty Feeders / Bin Discharger
- · Scalping / Classifier / Air Knife
- · Rail Car & Truck Storage Pile
- · Dilute & Dense Phase
- Pneumatic Conveying
- Mechanical Systems · Liquid Handling Storage & Batching Systems
- Bulk Bag Unloaders &
- · Bulk Silo Systems
- · Scaling & Batching Systems
- · Finished Goods Bulk Handling
- Automated Controls Systems with PLC to PC data tracking & inventory management





ROTARY VALVES, DIVERTERS, & SLIDE GATES



TUMBLE BLENDERS



Rotary Valves & Air Locks

- Diverters
- · Slide & Control Gates
- Double Dump Valves
- · Round Head Valves

Tumble blenders

· Roto Speed Switch

· Tubular Vacuum drying

· Lab tumble blenders

Continuous tumble blending

Vacuum tumble blending dryer / mixer



INGREDIENT BATCHING



DUST COLLECTORS & WET SCRUBBERS

- Bulk Bag Fillers
- Pulse Clean Cartridge
- Bin Vents
- Cyclones
- Venturi Scrubbers
- Pulse Cleaned Bag Collectors Eductor Scrubbers
- Impingement Plate Collectors Scrubbers
 - Pack Tower Scrubbers







Plate Magnets & Protection

- Tube & Grate Magnets
- Drawer Magnets Liquid Plate & Trap
- · Suspended Belt Magnets



- · Head Pulley Magnets
- Rotary Drum Magnets



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

S.HOWES

TECHNOLOGY

SOLID & AIR FLOW MEASURING



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



FIRE & EXPLOSION PROTECTION





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



INDUSTRIAL VACUUM CLEANERS



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



ROTARY SCREENING

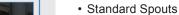


- · Gently Screens Without Product Damage
- Cleans, Sifts, Scalps or Sorts
- · Non-Vibrating Screener · Rotary Drum Design
- Low Maintenance Fully Enclosed



LOAD SPOUTS





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



