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



PREMIUM ROUND GRAIN SILICA SANDS



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



INSTALLATION/SERVICE/FABRICATION



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



LEVEL MONITORING SYSTEMS



- - Hazard Monitors and Controls
 Remote Monitoring
 - Level Detection and Inventory
 Installation and Service
 - RadarTrack™, RadarMax™
 - Flow / No Flow Detection
 - · 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
- Ball Mills
- 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



INDUSTRIAL VACUUM CLEANERS



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



Southern OH, KY, IN **Doug Agin**

Austin Agin

dagin@sol-techgroup.com Cell 513.382.5146 Steve Satterthwaite steve@sol-techgroup.com Cell 513.708.7716

austin@sol-techgroup.com

Cell 513.349-8346

Sol-Tech Group, Inc. PO Box 251 Phone: 513.382.5146

Email: contact@sol-techgroup.com









Explosion & Fire Protection Flow Measurement Magnets

Bucket Elevators Dryers / Coolers

Pneumatic Conveying Rotary Air Locks Screening

Thermal Screws

Size Reduction And much more!

Bulk Material Handling & Processing Equipment



Group DRYING/COOLING AND PROCESSING





- · Vibrating Fluid Bed
- · Static Fluid Bed

Application

- · Flash Drying
- · Media Slurry Dryer
- · Tornesh Dryer
- · Spiral Elevator Processing



- · 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

Manufacturer

Carrier

CONVEYORS

Group





- Screw Conveyors
- Bucket Elevators
- · Belt Conveyors

Application

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

Falling & Rising film



Manufacturer

THERMAL PROCESSING & COOLING





THERMAL DRYING SOLUTIONS

ROTARY VALVES, DIVERTERS, &



SLIDE GATES



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

Rotary Valves & Air Locks

- evaporators Natural circulation rising **B**uflovak film evaporators
- Plate evaporators · Evaporative crystallizers

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







Diverters · Slide & Control Gates

- Double Dump Valves
- · Round Head Valves
- · Roto Speed Switch

INGREDIENT BATCHING



- Bulk Bag Unloaders &
- Pulse Clean Cartridge
- Bin Vents
- Cyclones
- Venturi Scrubbers
- Pulse Cleaned Bag Collectors Eductor Scrubbers
 - Scrubbers



TUMBLE BLENDERS





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



DUST COLLECTORS & WET SCRUBBERS



- Collectors

Impingement Plate

Pack Tower Scrubbers



MAG SEPARATION: RARE EARTH & CERAMIC





- Plate Magnets & Protection
- Tube & Grate Magnets
- Drawer Magnets Liquid Plate & Trap
- · Suspended Belt Magnets
- Vertical Spout Magnets
- · Head Pulley Magnets Rotary Drum Magnets
- PURITAN MAGNETICS, INC.

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



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
- · Non-Vibrating Screener
- Low Maintenance
- Fully Enclosed



BULK MEASUREMENT CONTROL



- · Real Time Reading of Moisture, Fat / Oil & Protein, and Color
- Food: Color, Moisture, Fat/Oil & Protein · Industrial (Bulk): Color & Moisture



Measurement & Control

ROTARY SCREENING





- Cleans, Sifts, Scalps or Sorts
- · Rotary Drum Design



LOAD SPOUTS



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

