

Sol-Tech

Bulk Material Handling & Processing Equipment

www.sol-techgroup.com



Screeners

Spiral Elevators

Bulk Flow Heating Exchangers

Screw Conveyors

Shakeouts

Bag Houses



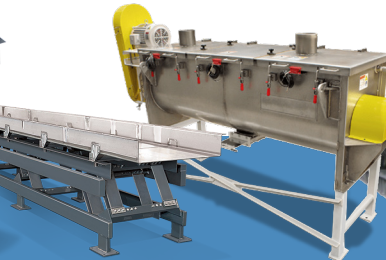
Bucket Elevators



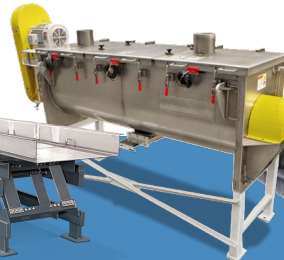
Dryers / Coolers



Feeders



Conveyors



Mixers & Thermal Screws



Calciners & Rotary Dryers



Wet Scrubbers

Explosion & Fire Protection
Flow Measurement
Magnets

Pneumatic Conveying
Rotary Air Locks
Screening

Size Reduction
And much more!

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Bulk Material Handling & Processing Equipment

Group

Application

Manufacturer

DRYING/COOLING AND PROCESSING



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



THERMAL PROCESSING & COOLING



- 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



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



INDUSTRIAL PROCESS EQUIPMENT



- Material Handling Equipment
- Storage Solutions
- Process Equipment & Automation Systems
- Pneumatic conveying: Pressure, vacuum, and dense phase
- Specialized Solutions & Custom Design Services



DUST COLLECTORS & WET SCRUBBERS



- Pulse Cleaned Bag Collectors
- Pulse Clean Cartridge Collectors
- Bin Vents
- Cyclones
- Venturi Scrubbers
- Eductor Scrubbers
- Impingement Plate Scrubbers
- Pack Tower Scrubbers
- Down Draft Tables



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



FIRE & EXPLOSION PROTECTION



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



ROTARY SCREENING

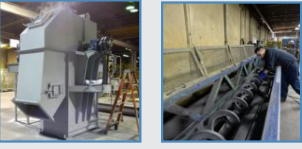
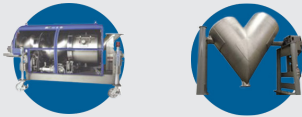
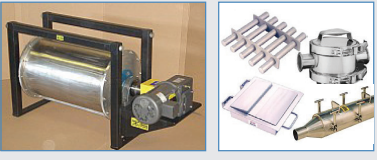
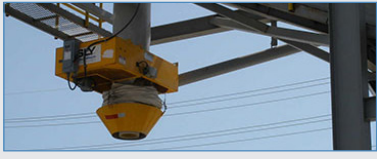


- Gently Screens Without Product Damage
- Cleans, Sifts, Scalps or Sorts
- Non-Vibrating Screener
- Rotary Drum Design
- Use the Aspirator to remove fines, dust, and other light weight materials
- Use the Aspirator after screening or before bagging

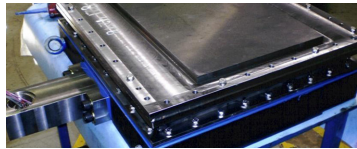
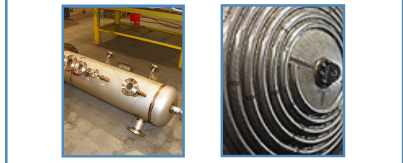
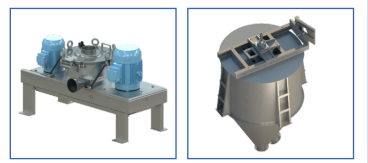
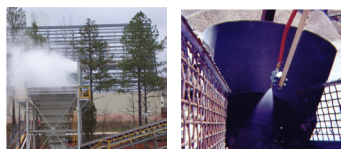


Bulk Material Handling & Processing Equipment

Material Handling & Processing Equipment
The answer to process improvements

Group	Application	Manufacturer
CONVEYORS 	- Screw Conveyors - Bucket Elevators - Belt Conveyors - Drag Chain Conveyors - Live Bottom Feeders - Heat Transfer Conveyors - Shaftless Screw	
THERMAL DRYING SOLUTIONS 	- Thermal Drying & Solidification - Vacuum drying in a pan, single and double drum, and rotary - Cooling drum flakers - Evaporation, Distillation, & Separation - Forced circulation evaporators - Falling & Rising film evaporators - Natural circulation rising film evaporators - Plate evaporators - Evaporative crystallizers	
ROTARY VALVES, DIVERTERS, & SLIDE GATES 	- Rotary Valves & Air Locks - Diverters - Slide & Control Gates - Double Dump Valves - Round Head Valves - Roto Speed Switch	
TUMBLE BLENDERS 	- Tumble blenders - Continuous tumble blending - Tubular Vacuum drying - Vacuum tumble blending dryer / mixer - Lab tumble blenders	
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	
SOLID & AIR FLOW MEASURING 	- Solid Flow Meters - Solid Flow Feeders - Solid Flow Fillers - Air Flow Measuring	
BULK MEASUREMENT CONTROL 	- Real Time Reading of Moisture, Fat / Oil & Protein, and Color - Food: Color, Moisture, Fat/Oil & Protein - Industrial (Bulk): Color & Moisture	
LOAD SPOUTS 	- Standard Spouts - Open Stacking Spout - Manual Operated Spouts - Low Profile Spouts	

Bulk Material Handling & Processing Equipment

Group	Application	Manufacturer
WEIGH SYSTEMS 	• Volumetric Feeders • Gravimetric Feeders • Weigh Belt Feeders • Belt Scales • Bulk Bag Unloaders	
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 • Rigid Screw • Bucket Elevator • Belt Conveyor Systems	
LEVEL MONITORING SYSTEMS 	• Hazard Monitors and Controls • Level Detection and Inventory • RadarTrack™, RadarMax™ • Flow / No Flow Detection • Wireless and Solar Options • Handheld and PC Software • Remote Monitoring • Installation and Service	
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	
DUST SOLUTIONS 	• High Pressure Water systems • Dry & High Pressure Fogging systems • Custom Wind Fencing	
ROBOTIC AUTOMATION 	• Machining of composite, plastic and fiberglass components. • Assembly of both electrical and mechanical components. • Industrial Process Automation • Bin picking with 2D and 3D vision systems. • Palletizing and depalletizing of items in general industry. • Automated Palletization or depalletizing for Food and materials industry. • Robotics industrial automation.	