

# Bulk Material Handling & Processing Equipment

Group	Application	Manufacturer
<b>AIR SYSTEMS</b> 	<ul style="list-style-type: none"> <li>Using air to remove fines, dust and other light weight materials</li> <li>No moving parts</li> <li>Use after screening or before bagging / packaging</li> </ul>	
<b>SILO DISCHARGER</b> 	<ul style="list-style-type: none"> <li>Multiple discharge points</li> <li>Controlled material discharge</li> <li>First In, First Out flow</li> <li>Pressure shock design ideal for explosive materials</li> <li>Positive shut off</li> <li>Totally sealed dust free design</li> </ul>	
<b>PREMIUM ROUND GRAIN SILICA SANDS</b> 	<ul style="list-style-type: none"> <li>Foundry / Metal Casting</li> <li>Building Products</li> <li>Chemical Production</li> <li>Paints &amp; Coatings</li> <li>Glass Making &amp; Ceramics</li> <li>Water filtration</li> </ul>	
<b>INSTALLATION/SERVICE/FABRICATION</b> 	<ul style="list-style-type: none"> <li>Installation &amp; Engineering Services</li> <li>Belt Conveyor Systems</li> <li>Rigid Screw</li> <li>Bucket Elevator</li> </ul>	
<b>TUMBLE BLENDERS</b> 	<ul style="list-style-type: none"> <li>Tumble blenders</li> <li>Continues tumble blending</li> <li>Tubular Vacuum drying</li> <li>Vacuum tumble blending dryer / mixer</li> <li>Lab tumble blenders</li> </ul>	
<b>THERMAL DRYING SOLUTIONS</b> 	<ul style="list-style-type: none"> <li>Thermal Drying &amp; Solidification</li> <li>Vacuum drying in a pan, single and double drum, and rotary</li> <li>Cooling drum flakers</li> <li>Evaporation, Distillation &amp; Separation</li> <li>Forced circulation evaporators</li> <li>Falling &amp; Rising film evaporators</li> <li>Natural circulation rising film evaporators</li> <li>Plate evaporators</li> <li>Evaporative crystallizers</li> </ul>	
<b>SIZE REDUCTION &amp; AIR CLASSIFICATION</b> 	<ul style="list-style-type: none"> <li>Whirlwind Air Classifiers</li> <li>Super Fine Air classifiers</li> <li>Jet Mill Micronizer both Sanitary &amp; Pharmaceutical designs</li> <li>Pin &amp; Hammer Mills</li> <li>Hammer Mills</li> <li>Jaw Crushers, Roll Crushers, &amp; Rotary Crushers</li> </ul>	

# Sol-Tech

## Bulk Material Handling & Processing Equipment



Explosion & Fire Protection  
Flow Measurement  
Magnets

Pneumatic Conveying  
Rotary Air Locks  
Screening

Size Reduction  
And much more!

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Group	Application	Manufacturer	Group	Application	Manufacturer
<b>DRYING/COOLING AND PROCESSING</b> 	<ul style="list-style-type: none"> <li>Vibrating Fluid Bed</li> <li>Static Fluid Bed</li> <li>Flash Drying</li> <li>Media Slurry Dryer</li> <li>Tornesh Dryer</li> <li>Spiral Elevator Processing</li> </ul>		<b>CONVEYORS</b> 	<ul style="list-style-type: none"> <li>Screw Conveyors</li> <li>Bucket Elevators</li> <li>Belt Conveyors</li> <li>Drag Chain Conveyors</li> <li>Live Bottom Feeders</li> <li>Heat Transfer Conveyors</li> <li>Shaftless Screw</li> </ul>	
<b>THERMAL PROCESSING &amp; COOLING</b> 	<ul style="list-style-type: none"> <li>Rotary Calciners &amp; Kilns</li> <li>Flash Dryers &amp; Coolers</li> <li>Multidisc Dryers &amp; Coolers</li> <li>Fluid Bed Dryers, Coolers &amp; Granulators</li> <li>Rotary Dryers, Coolers &amp; Granulators</li> <li>Rotary Mixing, Curing &amp; Coating Drums</li> <li>Screw Presses, Pugmills &amp; Cookers</li> </ul>		<b>STEEL TANKS</b> 	<ul style="list-style-type: none"> <li>Custom Steel Tanks</li> <li>Storage Tanks (Liquid &amp; Dry)</li> <li>Pressure Vessels</li> <li>Hazardous Chemical Tanks</li> <li>Half Pipe &amp; Reactor Tanks</li> <li>Ball Mills</li> <li>Custom Manways &amp; Tank Components</li> </ul>	
<b>VIBRATORY &amp; PROCESS EQUIPMENT</b> 	<ul style="list-style-type: none"> <li>Vibrating Conveyors (process as you convey)</li> <li>Patented Delta Phase Drive</li> <li>On Demand Change to Angle of Attack &amp; RPM</li> <li>Heavy Duty Feeders / Bin Discharger</li> <li>Scalping / Classifier / Air Knife</li> <li>Rail Car &amp; Truck Storage Pile</li> </ul>		<b>ROTARY VALVES, DIVERTERS, &amp; SLIDE GATES</b> 	<ul style="list-style-type: none"> <li>Rotary Valves &amp; Air Locks</li> <li>Diverters</li> <li>Slide &amp; Control Gates</li> <li>Double Dump Valves</li> <li>Round Head Valves</li> <li>Roto Speed Switch</li> </ul>	
<b>INGREDIENT BATCHING</b> 	<ul style="list-style-type: none"> <li>Dilute &amp; Dense Phase Pneumatic Conveying</li> <li>Mechanical Systems</li> <li>Liquid Handling Storage &amp; Batching Systems</li> <li>Bulk Bag Unloaders &amp; Bulk Bag Fillers</li> <li>Bulk Silo Systems</li> <li>Scaling &amp; Batching Systems</li> <li>Finished Goods Bulk Handling</li> <li>Automated Controls Systems with PLC to PC data tracking &amp; inventory management</li> </ul>		<b>LEVEL MONITORING SYSTEMS</b> 	<ul style="list-style-type: none"> <li>Hazard Monitors and Controls</li> <li>Level Detection and Inventory</li> <li>RadarTrack™, RadarMax™</li> <li>Flow / No Flow Detection</li> <li>Wireless and Solar Options</li> <li>Handheld and PC Software</li> <li>Remote Monitoring</li> <li>Installation and Service</li> </ul>	
<b>DUST COLLECTORS &amp; WET SCRUBBERS</b> 	<ul style="list-style-type: none"> <li>Pulse Cleaned Bag Collectors</li> <li>Pulse Clean Cartridge Collectors</li> <li>Bin Vents</li> <li>Cyclones</li> <li>Venturi Scrubbers</li> <li>Eductor Scrubbers</li> <li>Impingement Plate Scrubbers</li> <li>Pack Tower Scrubbers</li> </ul>		<b>MAG SEPARATION: RARE EARTH &amp; CERAMIC</b> 	<ul style="list-style-type: none"> <li>Plate Magnets &amp; Protection</li> <li>Tube &amp; Grate Magnets</li> <li>Drawer Magnets</li> <li>Liquid Plate &amp; Trap</li> <li>Suspended Belt Magnets</li> <li>Vertical Spout Magnets</li> <li>Head Pulley Magnets</li> <li>Rotary Drum Magnets</li> </ul>	
<b>SCREW CONVEYORS, MIXING, BLENDING</b> 	<ul style="list-style-type: none"> <li>Continuous Mixer/Pug Mill</li> <li>Size Reduction Equipment</li> <li>U-Trough, Split Tube, Feeders, Heat &amp; Cool</li> <li>Paddle &amp; Ribbon Mixers/Blenders</li> <li>Heating, Cooling, Vacuum Drying Options</li> <li>Waste Handling</li> <li>Scrubbers</li> </ul>		<b>SOLID &amp; AIR FLOW MEASURING</b> 	<ul style="list-style-type: none"> <li>Solid Flow Meters</li> <li>Solid Flow Feeders</li> <li>Solid Flow Fillers</li> <li>Air Flow Measuring</li> </ul>	
<b>FIRE &amp; EXPLOSION PROTECTION</b> 	<ul style="list-style-type: none"> <li>Explosion Venting</li> <li>Flameless Venting</li> <li>Chemical Suppression</li> <li>Explosion Isolation</li> <li>Spark &amp; Multi Gas Detection</li> <li>Water Mist Suppression</li> </ul>		<b>INDUSTRIAL VACUUM CLEANERS</b> 	<ul style="list-style-type: none"> <li>Portable Vacuum Systems</li> <li>Pneumatic Conveyance</li> <li>Specialty Vacuum Systems</li> <li>Dust Collectors</li> <li>Central Vacuum Systems</li> </ul>	
<b>ROTARY SCREENING</b> 	<ul style="list-style-type: none"> <li>Gently Screens Without Product Damage</li> <li>Cleans, Sifts, Scalps or Sorts</li> <li>Non-Vibrating Screener</li> <li>Rotary Drum Design</li> <li>Low Maintenance</li> <li>Fully Enclosed</li> </ul>		<b>LOAD SPOUTS</b> 	<ul style="list-style-type: none"> <li>Standard Spouts</li> <li>Open Stacking Spout</li> <li>Manual Operated Spouts</li> <li>Low Profile Spouts</li> </ul>	