

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 	<ul style="list-style-type: none"> • Vibrating Fluid Bed • Static Fluid Bed • Flash Drying • Media Slurry Dryer • Tornesh Dryer • Spiral Elevator Processing 	
THERMAL PROCESSING & COOLING 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	
INGREDIENT BATCHING 	<ul style="list-style-type: none"> • Dilute & Dense Phase Pneumatic Conveying • Mechanical Systems • Liquid Handling Storage & Batching Systems • Bulk Bag Unloaders & Bulk Bag Fillers • Bulk Silo Systems • Scaling & Batching Systems • Finished Goods Bulk Handling • Automated Controls Systems with PLC to PC data tracking & inventory management 	
DUST COLLECTORS & WET SCRUBBERS 	<ul style="list-style-type: none"> • Pulse Cleaned Bag Collectors • Pulse Clean Cartridge Collectors • Bin Vents • Cyclones • Venturi Scrubbers • Eductor Scrubbers • Impingement Plate Scrubbers • Pack Tower Scrubbers 	
SCREW CONVEYORS, MIXING, BLENDING 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Explosion Venting • Flameless Venting • Chemical Suppression • Explosion Isolation • Spark & Multi Gas Detection • Water Mist Suppression 	
ROTARY SCREENING 	<ul style="list-style-type: none"> • Gently Screens Without Product Damage • Cleans, Sifts, Scalps or Sorts • Non-Vibrating Screener • Rotary Drum Design • Low Maintenance • Fully Enclosed 	

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Material Handling & Processing Equipment
The answer to process improvements

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CONVEYORS 	<ul style="list-style-type: none"> Screw Conveyors Bucket Elevators Belt Conveyors Drag Chain Conveyors Live Bottom Feeders Heat Transfer Conveyors Shaftless Screw 	
THERMAL DRYING SOLUTIONS 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Rotary Valves & Air Locks Diverters Slide & Control Gates Double Dump Valves Round Head Valves Roto Speed Switch 	
TUMBLE BLENDERS 	<ul style="list-style-type: none"> Tumble blenders Continuous tumble blending Tubular Vacuum drying Vacuum tumble blending dryer / mixer Lab tumble blenders 	
MAG SEPARATION: RARE EARTH & CERAMIC 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Solid Flow Meters Solid Flow Feeders Solid Flow Fillers Air Flow Measuring 	
BULK MEASUREMENT CONTROL 	<ul style="list-style-type: none"> Real Time Reading of Moisture, Fat / Oil & Protein, and Color Food: Color, Moisture, Fat/Oil & Protein Industrial (Bulk): Color & Moisture 	
LOAD SPOUTS 	<ul style="list-style-type: none"> Standard Spouts Open Stacking Spout Manual Operated Spouts Low Profile Spouts 	

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AIR SYSTEMS 	<ul style="list-style-type: none"> Using air to remove fines, dust and other light weight materials No moving parts Use after screening or before bagging / packaging 	<p>EBM Manufacturing</p> <p>ASPIRATOR</p>
SILo DISCHARGER 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Foundry / Metal Casting Building Products Chemical Production Paints & Coatings Glass Making & Ceramics Water filtration 	
INSTALLATION/SERVICE/FABRICATION 	<ul style="list-style-type: none"> Installation & Engineering Services Belt Conveyor Systems Rigid Screw Bucket Elevator 	
LEVEL MONITORING SYSTEMS 	<ul style="list-style-type: none"> Hazard Monitors and Controls Level Detection and Inventory RadarTrack™, RadarMax™ Flow / No Flow Detection Wireless and Solar Options Handheld and PC Software 	<ul style="list-style-type: none"> Remote Monitoring Installation and Service 
STEEL TANKS 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Portable Vacuum Systems Pneumatic Conveyance Specialty Vacuum Systems Dust Collectors Central Vacuum Systems 	