

Sol-Tech

Bulk Material Handling & Processing Equipment

www.sol-techgroup.com



Screeners

Spiral Elevators

Bulk Flow Heating Exchangers

Screw Conveyors

Shakeouts

Bag Houses



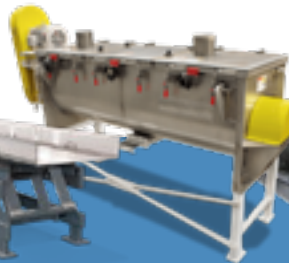
Bucket Elevators



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
<p>DRYING/COOLING AND PROCESSING</p> 	<ul style="list-style-type: none"> • Vibrating Fluid Bed • Static Fluid Bed • Flash Drying • Media Slurry Dryer • Tornesh Dryer • Spiral Elevator Processing 	
<p>THERMAL PROCESSING & COOLING</p> 	<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 	
<p>VIBRATORY & PROCESS EQUIPMENT</p> 	<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 	
<p>INDUSTRIAL PROCESS EQUIPMENT</p> 	<ul style="list-style-type: none"> • Material Handling Equipment • Storage Solutions • Process Equipment & Automation Systems • Pneumatic conveying: Pressure, vacuum, and dense phase • Specialized Solutions & Custom Design Services 	
<p>DUST COLLECTORS & WET SCRUBBERS</p> 	<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 	
<p>SCREW CONVEYORS, MIXING, BLENDING</p> 	<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 	
<p>FIRE & EXPLOSION PROTECTION</p> 	<ul style="list-style-type: none"> • Explosion Venting • Flameless Venting • Chemical Suppression • Explosion Isolation • Spark & Multi Gas Detection • Water Mist Suppression 	
<p>ROTARY SCREENING</p> 	<ul style="list-style-type: none"> • 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 	

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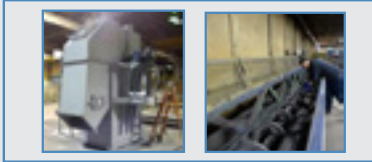
Material Handling & Processing Equipment
The answer to process improvements

Group

Application

Manufacturer

CONVEYORS



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



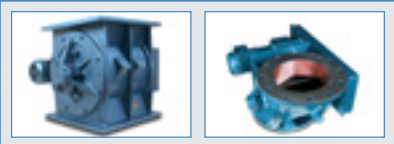
THERMAL DRYING SOLUTIONS



- 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



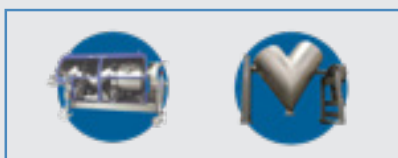
ROTARY VALVES, DIVERTERS, & SLIDE GATES



- 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



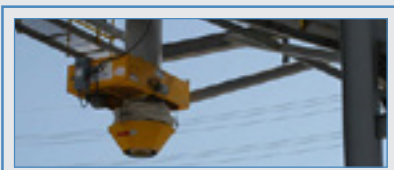
BULK MEASUREMENT CONTROL



- 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



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<p>WEIGH SYSTEMS</p> 	<ul style="list-style-type: none"> • Volumetric Feeders • Gravimetric Feeders • Weigh Belt Feeders • Belt Scales • Bulk Bag Unloaders 	
<p>PREMIUM ROUND GRAIN SILICA SANDS</p> 	<ul style="list-style-type: none"> • Foundry / Metal Casting • Building Products • Chemical Production • Paints & Coatings • Glass Making & Ceramics • Water filtration 	
<p>INSTALLATION/SERVICE/FABRICATION</p> 	<ul style="list-style-type: none"> • Installation & Engineering Services • Belt Conveyor Systems • Rigid Screw • Bucket Elevator 	
<p>LEVEL MONITORING SYSTEMS</p> 	<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 • Remote Monitoring • Installation and Service 	
<p>STEEL TANKS</p> 	<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 	
<p>SIZE REDUCTION & AIR CLASSIFICATION</p> 	<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 	
<p>INDUSTRIAL VACUUM CLEANERS</p> 	<ul style="list-style-type: none"> • Portable Vacuum Systems • Pneumatic Conveyance • Specialty Vacuum Systems • Dust Collectors • Central Vacuum Systems 	
<p>DUST SOLUTIONS</p> 	<ul style="list-style-type: none"> • High Pressure Water systems • Dry & High Pressure Fogging systems • Custom Wind Fencing 	