



Bulk Material Handling & Processing Equipment



Screeners

Spiral Elevators

Bulk Flow Heating Exchangers

Screw Conveyors

Shakeouts

Bag Houses



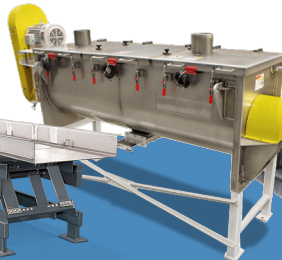
Bucket Elevators



Dryers / Coolers



Feeders



Conveyors



Mixers & Thermal Screws



Calciners & Rotary Dryers

Wet Scrubbers

Explosion & Fire Protection
Flow Measurement
Magnets

Pneumatic Conveying
Rotary Air Locks
Screening




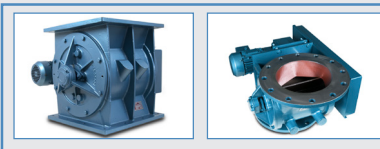


Size Reduction
And much more!

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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| TUMBLE BLENDERS  | <ul style="list-style-type: none"> Tumble blenders Continuous tumble blending Tubular Vacuum drying Vacuum tumble blending dryer / mixer Lab tumble blenders |  |
| 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 |  |

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| LOAD SPOUTS  | <ul style="list-style-type: none"> • Standard Spouts • Open Stacking Spout • Manual Operated Spouts • Low Profile Spouts |  |
| 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 |  |
| 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 |  |
| INSTALLATION/SERVICE/FABRICATION  | <ul style="list-style-type: none"> • Installation & Engineering Services • Belt Conveyor Systems • Piping • 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  |
| 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 |  |
| INDUSTRIAL VACUUM CLEANERS  | <ul style="list-style-type: none"> • Portable Vacuum Systems • Pneumatic Conveyance • Specialty Vacuum Systems • Dust Collectors • Central Vacuum Systems |  |

Northern OH

Jason Bosworth

jason@sol-techgroup.com
Cell 330.388.3254

Southern OH, KY, IN

Doug Agin

dagin@sol-techgroup.com
Cell 513.382.5146

Steve Satterthwaite

steve@sol-techgroup.com
Cell 513.708.7716

Sol-Tech Group, Inc.

PO Box 251

Mason, Ohio 45040

Phone: 513.382.5146

Email: contact@sol-techgroup.com