Dry Bulk Material, Feeding, Metering, Conveying & Storage
( Reverse Side = Air Filtration & Movement - Components and Systems )

Mechanical and Pneumatic Conveying

**Vac-U-Max** – Dilute & mixed phase pneumatic conveying systems. Single components to complex engineered processing solutions. Self contained vacuum receivers or central powered systems.

**Vibra Screw Vibratory Conveying** - Vibratory Conveyors, Enclosed Tube or Open pan. No more replacing screws or hanger bearings or wrestling with conveyor belt replacements.

**UniTrak Bucket Elevators** – Interlocking buckets means NO spillage & NO stretchable and dirty belt chains. Sanitary designs. Enclosed, Open or Sealed Housings. Flat Belt Conveyors too.

**Bulk Material Handling** – Mechanical Conveying: Belt, Bucket, Trough Screws, and under pile reclaimers.

Weigh Systems and Volumetric Flow Control


Particle Size Reduction and Classification

**Bauermeister USA** – Lab or Production; hammer, pin, roller knife & air classification pulverizes

**Russel Finex Screeners** – Fine and Coarse Mesh, Liquid / Solid separation, Ultrasonic too

Bulk Silo / Bin Storage and Discharge

**Vibra Screw Live Bin Bottoms** - Silo / Bin Discharge with first in, first out material flow. Vibratory discharge assistance can move most any materials including: sticky, fibrous strands, chips, and shavings.

**Silos, Tanks and Day Bins** - Panel field bolted, Field Welded and Shop Welded. Day bins to multi story silos.

**Bulk Bag Unloaders and Loaders** - Spillage Free design, Vibratory assisted discharge, Customized for you.

Process Protection – Metal Removal & NFPA Explosion Protection

**Bunting – Magnets, Metal Detection and separation** – Ferrous and conductive metals removal. Drum, Drawer and in line gravity flow Magnets / Traps. Pneumatic conveying, Belt and Gravity Capture.


**Baghouse Duct Design dot com** – Dust Hazard Analysis assistance. Duct System Design of new or existing systems to assure NFPA 652 compliance for maintaining internal duct velocities.
Air Filtration & Movement - Components & Systems
(Reverse Side = Dry Bulk Material, Feeding, Metering, Conveying & Storage)

Dust Collection, Fume, Oil Mist, Chemical Vapor & Air Pollution Control

**Scientific Dust Collectors** – Double Bag Life Guarantee, Felted Fabric Baghouse Dust Collectors with 3” spacing between bags! High side inlet baffled drop out section, with off-set Venturi design for 2” less water gauge pressure drop. New and Retrofit Units. Vertical or Horizontal mounted Cartridge Collectors with Nano Fiber Filters, Cyclones. 80 psi cleaning air max pressure!

**Venturi Scrubbers & Packed Towers** – Wet Scrubbers; Counter/ Cross Flow, Venturi & Vertical Packed Towers. For: Submicron Particles, HCl, NOx, SO, CL, Methanol, Chemical Vapor & Odors

**Electrostatic Precipitators** – Oil Mist, Smoke, Fume and Fine Dust Collection.

**Rotary Airlock, Material Flow Valves. Pneumatic Conveying Fittings**


**NFPA and ATEX Explosion Protection**


**Fan, Blower and Duct System Selection and Supply**

**Duct System Design and Supply** - Duct System design, flanged, or quick fit. Capture hoods and stacks custom designed. Duct layout drawings and calculation of system fan pressure, corrected for your altitude.

**Best Selection Fan Sourcing** - Industrial Fans AMCA Rated. Centrifugal and Axial. Selected by competitive comparison from multiple vendors, by evaluating: fan curve, power draw, and sound pressure.

**Best Selection Blower Sourcing** - Blower Packages assembled on a skid. Selected by competitive comparison from multiple vendors. Pressure or Vacuum packaged made to your specifications.

**Air Pollution Control**

**Industrial Ventilation System Advisement**

**Baghouse Duct Design dot Com™**

- Duct Design: New Systems and Reverse Engineering Retrofits
- Retrofits to Existing Equipment and Duct Systems
- Used Equipment Feasibility Studies and Fitness Reports
- Maintenance Advisement and Technical Training
- Development of Project Specifications