



## Golden Eagle Technologies, LLC

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## Dry Powder Materials; Feeding, Metering, & Conveying

( Reverse Side = Air Filtration & Movement - Components and Systems )

### Mechanical and Pneumatic Conveying

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

**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.

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

**Olds Elevator** – Vertical Screw with spun outer casing, acts as volumetric feeder, best for abrasive materials

### Weigh Systems and Volumetric Flow Control

**Vibra Screw Powder Feeders**– Feed screw trough vibration, assures consistent mass flow for each turn of the feeder screw. Volumetric, Loss in Weight, & Gain in Weight weigh systems.

**Meyer Valves** – Rotary Valve Air Locks, Maintenance slide gates. Sanitary & Abrasive duty.

### Blending and Mixing – Vacuum Dryers

**Gemco** – Mixers; Double Cone, Slant Cone & V-shaped. No touch powder fill and discharge by pneumatic conveying. Portable roller hoppers for containing of feed or mixed materials.

### Bulk Silo / Bin Storage and Discharge

**Vibra Screw Silo Bin Discharger** - First in, first out material flow. Vibratory discharge assistance can move most any materials including: sticky, fibrous strands, chips, and shavings. Original patents for screw feeders.

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

**Bulk Bag Unloaders ( and Loaders too )** - Spillage Free design, Vibratory or mechanical paddle assisted discharge. Feeding Pneumatic / Mechanical Conveying system. Designs for Cyanide powder. Customized for you.

### Process Protection; Magnetic Separators, Metal Removal & Explosion Venting

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

**Rembe Explosion Protection Systems** – Explosion: venting, extinguisher suppression and mechanical isolation. Indoor flameless vents. Spark detection & extinguishment of in duct flows.

**Baghouse Duct Design dot Com™** – Industrial Ventilation System Design Consultant for new or retrofit systems. We assure NFPA combustible dust compliance by maintaining internal duct velocities. Dust Hazard Analysis assistance. Maintenance advisement & training. Explosion Venting retrofits.



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## **Air Filtration & Movement - Components & Systems**

( Reverse Side = Dry Powder Material, Feeding, Metering, Conveying & Storage )

Air Pollutant Controls for; Dust, Fume, Oil Mist , and Chemical Vapors

**Scientific Dust Collectors** –Felted Fabric Baghouse Dust Collectors with 3” spacing between bags! Double Bag Life Guarantee, High side inlet baffled drop out section, with off-set Venturi design. TWO INCHES LESS (water gauge) PRESSURE DROP. New and Retrofit Units. Vertical or Horizontal mounted Cartridge Collectors with Nano Fiber Filters. Ask about ASHRE 199 testing.

**Quickdraft** –Venturi blower technology: Stringy fiber trim material conveying, Hot Oven / Fryer Exhaust, Aluminum chip conveying. Oil demister with order reduction and air filtration.

**Venturi Scrubbers & Packed Towers** – Wet Scrubbers; Counter/ Cross Flow, Venturi & Vertical Packed Towers. For: Submicron Particles, HCl, NOx, SO<sub>2</sub>, CL, Methanol, Chemical Vapor & Odors

Rotary Airlock, Material Flow Valve, Pneumatic Conveying Screw Feed Pump

**Meyer Valves** – Rotary Valve Air Locks, Gravity flow Diverters, NFPA compliant. Sanitary and Abrasive duty designs. Maintenance Slide gates. Dry Material Feed Pump, a smaller “FK-pump”.

### NFPA and ATEX Explosion Protection

**Vac-U-Max Vacuum Cleaning** – ATEX approved compressed air operated, handles combustible dusts and volatile fluids into 55-gallon drum. Larger 15 Hp electrically powered wheeled units available.

**Rembe Explosion and Fire Protection Systems** – Explosion: venting, extinguisher suppression and mechanical isolation. Indoor flameless vents. Spark detection & extinguishment of in duct flows.

Fan , Blower and Duct Systems; Design, 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** - Selected by competitive comparison, based on: fan curve and power draw.

**Best Selection Blowers** - Pressure or Vacuum , competitive bid evaluation, made to your specifications.

## **Air Pollution Control & Industrial Ventilation System Advisement**

### **Baghouse Duct Design dot Com™**

- Duct Design: New Systems and Reverse Engineering Retrofits
- Pollutant Ventilation per: Industrial Ventilation, NFPA & ASHRAE standards
- Combustible Dust Retrofits , Explosion Venting or Suppression per NFPA
- Maintenance Advisement and Operator Training