



Golden Eagle Technologies, LLC

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Phone (303) 278 9268 Fax (303) 379 5313

Dust Collection, Weld Fume & Chemical Vapor Control

Scientific Dust Collectors – Baghouse with Double Bag Life Guarantee. 3” spacing between bags !! High inlet baffled drop out section, and off-set Venturi design for lowest dP. New and Retrofit Units. Cartridge Dust Collectors with Nano Fiber Filters, Cyclones. 80 psig cleaning air max pressure !!

Cemtrex – Continuous Emission Monitoring System Instrumentation (CEMS), for EPA compliance monitoring of; Opacity, CO₂ , O₂ , SO₂ , NO , CO , NH₄ , Hg , hydrocarbons and much more.

Venturi Scrubbers & Packed Towers – Wet Scrubbers; Ionizing wet, Counter / Cross Flow , Venturi & Vertical Packed Towers. Submicron Particulate, HCl, NO_x , SO, CL, Methanol, Chemical Vapor & Odor Control.

Dry Fog Sprays - submicron water droplets for Dust Control – Non chemical dust suppression

Ducting – Design and Supply

Kirk and Blum Ductwork – Quick-Fit Clamp together sections - 3” to 22” , Flanged Ductwork 22”+. Galvanized or 304/316 Stainless Steel. Abrasive Resistant Elbows. Custom Transitions, Hoods, Adapters, Stacks and Special Fittings to fit your needs. Free Duct Layout drawing with every order

Fans , Dampers and Expansion Joints

Damper Technology Ltd. – Louver, Butterfly, Stack, Diverter, Variable Inlet Vane, Acid Gas Duty and Guillotine Dampers. Custom designs and in house manufacturing to your requirements.

Verantis (formerly Ceilcote) Industrial FRP Fans – Fiberglass Fans for Wet and / or corrosive service, hand crafted. Centrifugal to 150k acfm, at 35” WG. Axial and Roof Exhaust to 100k acfm.

Industrial Air Technology Fans – AMCA Radial Blade Fans; Flows to 280k acfm Pressures to 45” WG.

Material Conveying and Metering

Vibra Screw - Feeding Equipment (Vibratory, Screw and Belt) . Both volumetric and loss-in-weight. , Bulk Bag Unloaders and Fillers. Vibratory Conveyors = No more replacing screws or hanger bearings.

Triple/S Dynamics – Slipstick® Differential Horizontal Motion Conveyors for Minerals or Foods. Particle separation by density with air jigs & vibration. Angled vibratory bed for density separation. Rotary Drum Trommel Screens. Precision Screener deck, down to 325 mesh.

Venturi Eductors – Dilute Phase Pneumatic Conveying applying for use in transporting bulk solids, typical motive pressure from Blowers under 14 psig. Slurry, Steam and Vacuum Eductors too.

Olds Elevator - Vertical Dry Bulk Material Conveyor for granular, powdered or pellet material. Replaces Bucket Elevators. Stationary Screw, casing turns. Allows for use as a volumetric feeder.

Baghouse Duct Design dot Com

(A Service of Golden Eagle Technologies, LLC, Golden, Colorado, USA)

Air Pollution Control Equipment Sizing, Duct Design, and System Advisement.

FREE Initial Consultation

USA: Monday to Saturday, Mountain Time Zone

1+ 303-278-9268 , Office time is GMT +7

All Industries Served & MSHA training current for entry into all mine types

New Installations

- Advise best method of air filtration, We support: Baghouses, Cartridge Collectors, Venturi Scrubbers, Electrostatic Precipitators, Cyclones, Oil Mist Media Collectors or Shakers.
- Selection of air flows and fabrication of custom Pick Up Hoods.
- Duct layout and sizing - for proper velocities & pressure drop.
- Summation of pressure drops and Fan selections for your elevation.
- CAD Sketches for your implementation.

Retrofits to Existing Systems

- Evaluate Existing ; Duct System, Air Pollution Control Device and Fan
- Advise feasibility of retrofitting existing system through changes to; fan, duct/hoods and/or air pollution control device internals.

Used Equipment Feasibility Studies and Fitness Reports

Maintenance Advisement and Technical Training

Development of Project Specifications

Expansion Cost Planning and Feasibility Review



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