



COAL FIRED POWER PLANTS



WATER TREATMENT



FOOD & BEVERAGE PROCESSING



PULP & PAPER



PHARMACEUTICALS



POWDER ACTIVATED CARBON SYSTEMS



The ability to provide expert solutions to wide range of industries comes from Vibra Screw 65 plus years of developing, designing and manufacturing equipment for the material handling industy. Our team of highly experienced engineers provide industrial solutions designed for safety, reliability and performance.

Being a solution provider in bulk solids handling industry, our strength comes from R&D, custom design and production capabilities for each individual application.

Powder Activated Carbon Systems

In the process of combustion at high temperatures, various gases are created and releast to the atmosphere. These gases can be toxic and harmful to human health. Powdered Activated Carbon (PAC) is an adsorbent engineered to eliminate such toxic gases like dioxins, organic compounds and other chemicals like mercury.

Injecting PAC to the pipeline at the baghouse filter inlet adsorbs these gases. PAC within captured flue gases like dioxins, and heavy metals are captured by the filter bags and prevent the release to the atmosphere.

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Full system control packages are available



Depending on level of accuracy and/or required intellegent control, the system can be provided with either volumetic feeder for 1-2% accuracy of Loss-In-Weight Feeder for accuracy better than



Dry and wet transfer either through eductor system or mixing cone to disolve material directly on the transfer pipeline



BULK STORAGE SYSTEMS



 Bin vent to assure proper air venting when refilling the silo



The Vibra Screw Bin Activator is specifically designed and sized to ensure that the material contained in the silo will flow freely into the feeder system below



Live Bottom Bin assures positive discharge of material, on demand. Conditions the material to a constant bulk density





Material conveying air is provided positive pressurec plowers or comressed air

In addition to flue gas treatment, another area of application is the removal of micropollutants in wastewater cleaning and drinking water treatment.

PAC is commonly used in chemical plants, steel mills, waste disposal facilities, coal-fired power plants, food & beverage, pharmaceuticals and casting plants.

Vibra Screw offers a wide range activated carbon sytems and componets for chemical processing needs, ranging from a single screw feeders to complete systems including bins, bulk bag unloaders, flexible screw conveyors and wet & dry conveying systems.

BULK BAGS (FIBC) UNLOADING SYSTEMS



Bulk Bag Unloader comes with multiple suction ports to connect to separate dust collector



Material conveying air is provided positive pressure plowers or comressed air



Bulk bag pan support the bag to

Bulk bag pan support the bag to form a dust tight seal. Pan come with either controlled vibration design or messaging paddles. Bag outlet spout can be reached through large access door.



Live Bottom Bin assures positive discharge of material, on demand. Volume large enough to hold a full bulk bag





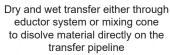




Volumetric and Gravimeteric Loss-In-Weight Feeders. Available in single or redundent design.







Keeping Dry Materials Moving

With a wealth of knowledge and experience in the use of controlled vibration to process dry bulk materials, Vibra Screw engineers have devised systems to handle most materials --- probably your material included.

As the leader in dry solids processing, our name is recognized and trusted worldwide in such diverse industries as:

- FOOD
- MINING
- CHEMICAL
- STEEL
- FOREST PRODUCTS

- PLASTICS
- ENVIRONMENTAL CONTROL
- ORDNANCE
- AGRICULTURE
- PHARMACEUTICALS



THE VIBRA SCREW GUARANTE

If your Vibra Screw equipment doesn't perform in the service for which it was sold, we'll refund your money. Ask any other equipment manufacturer to put that in writing.

No time limits. No conditions.





The most trusted name in dry solids processing