



schenckprocess



- » **Feeding**
- » **Pneumatic Conveying**
- » **Bulk Bag Unloading**
- » **Process Controls**
- » **Project Management**

Water Treatment Bulk Material Handling Systems

Serving Water Treatment Industry

Schenck Process has a long history of serving and supporting wastewater treatment plants and chemical producers. With expertise in weighing, feeding, pneumatic conveying, and bulk bag unloading we have designed and manufactured bulk material handling for facilities throughout North America.

We handle your dry bulk materials such as activated carbon, diatomaceous earth, fluoride, lime, polymers, and specialty chemicals for the reduction of contaminants in the water purification process. Our feeders deliver accurate and consistent material weighing and for quick material discharge our bulk bag unloaders are the perfect choice. Where high usage rates are required, we have a wide selection of pneumatic conveying systems that provide reliable transportation of raw materials.



Project Management

At Schenck Process, everything we do is centered on customer satisfaction. We strive to make your equipment and systems robust and efficient. Our project management teams become an extension of your business with a direct line of communication to the many resources within the Schenck Process global network. Your Schenck Process team will take command of the design/build process from the project kick-off all the way to process commissioning. From start to finish, our teams are dedicated to meeting your business goals.



Process Controls

Our Process Controls Group has been entrusted to control processes for some of the world's most recognizable brands. We have been building customized controls for over 40 years and our engineers have an intimate knowledge of industrial processing and production. Our in-depth experience provides field proven solutions. Process control capabilities include the following:

- Programming and graphic displays custom engineered for any process
- Data trending and collection of sensitive or expensive chemicals
- Recipe integration for varying process conditions or material requirements
- Full design and build capabilities for motor control panels, PLC panels, and operator interface stations

Equipment Solutions for Water Treatment



AccuRate® Series Feeders

Volumetric feeder

- Feeding accuracies of $\pm 0.5\%$ to 3%
- Feed rates from $.0000017$ to $280 \text{ ft}^3/\text{hr}$
- Paddle agitation to flexibly hopper gently massages materials into the feeding screw



PureFeed® AI-300

Low feed rate feeder

- Quick and easy disassembly for cleaning and maintenance
- Dual arm external agitation system for maximizing material handling versatility
- Designed to handle hazardous materials
- Feed rates from $.0007$ to $9.5 \text{ ft}^3/\text{hr}$



MechaTron® Feeders

Precise feeding of bulk solid materials

- Gravimetric feeders insure sensitive or expensive materials are fed at precise quantities
- Feed rate can be adjusted up or down to meet variable process conditions
- Gravimetric feeders track material usage, which is valuable for compliance audits and documentation
- Can withstand harsh processing environments



Pneumatic Conveying

Dilute or dense phase

- Fully configurable to specific application
- Single or multiple pickup and/or discharge locations
- Handle explosive materials
- Convey to material storage in silos or work bins
- Systems for both abrasive and non-abrasive materials
- Cost effective solutions for conveying materials over long distances



520 Blower Package

Pressure style blower for pneumatic conveying or aeration applications

- Both table top and skid mounted packages available
- Line sizes from $2''$ to $8''$
- Silencers and enclosures for reducing blower noise
- Full line of replacement valves, filters, motors, and gauges



SacMaster® Bulk Bag Discharge System

Bulk bag frame for full bag emptying

- Agitation to eliminate material bridging and promote full bag emptying
- Two agitation and two pivoting paddles for full bag support
- Modular design for easy system customization and compatibility
- Dust collection units available for dusty or hazardous materials

BV-P5086EN. All information is given without obligation.
All specifications are subject to change. © 2023



Bulk material handling system for the reduction of contaminants in water treatment processing applications.

Keeping water safe with bulk material handling systems

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we make processes work