

# Material Handling Solutions for Paint and Coatings Production

- » Feeding
- » Pneumatic  
Conveying
- » Milling
- » Sifting
- » Dust  
Collection



## System Solutions for Paint and Coatings Products

Schenck Process integrates the brands of Mac Process, Schenck AccuRate and Kemutec to deliver complete material handling systems from one source. With expertise in feeding, pneumatic conveying, sifting, milling, bulk bag unloading and dust collection we have a long history of designing and manufacturing bulk material handling systems for paint and coatings producers throughout North America.

We handle your raw materials such as resins, pigments, liquids and other additives, as well as your finished products such as powder coatings and other dry solids.



### Project Management

At Schenck Process, everything we do is centered on customer satisfaction. Our project management teams 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.

### Liquid Handling

We offer complete system layout and design for the transfer, storage, scaling, or metering of liquids.



### AccuRate® Series Feeder

Volumetric feeder

- Feeding accuracies up to 3%
- Feed rates from .0000017 to 280 ft<sup>3</sup>/hr
- Paddle agitation to flexible hopper gently massages materials into the feeding screw



### MechaTron® Feeder

Volumetric and gravimetric feeding

- Feeding accuracies up to 0.5%
- Highly accurate systems create better quality finished product and reduce waste
- Complete disassembly from the non-process side speeds cleaning and maintenance
- Feed rates up to 1,100 ft<sup>3</sup> per hour



### SacMaster®

#### Bulk Bag Discharge System

Bulk bag frame for full bag emptying

- Posi-flow 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

# Equipment Solutions for Paint and Coatings Production



## Dust Collection

- Complete dust collection systems designed specific to each application
- Systems are fully configurable for explosive, abrasive, or difficult materials.
- Designed for high efficiency dust removal
- Various plenum designs for top, side, or walk-in access to inspect and change filter media
- Central vacuum systems available to help keep your facility clean



## PPS Air Classifier Mill

- Robust design with a long history in the industry
- Integral classifier for a finer powder
- Tight particle size distribution
- Large range from 5 hp to 400 hp
- Easy clean 'clamshell' body option



## Kemutec KEK Sifters

- Rotary sifter for powder and granule processing
- High capacity and high-efficiency sifting
  - Gravity and inline pneumatic conveying designs
  - Screens can be quickly changed in as little as 30 seconds
  - Easy disassembly for cleaning and maintenance



## Pneumatic Conveying

Dilute or dense phase

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



## GCA Global Cleanable Airlock

Pneumatic conveying

- Well suited for processes with frequent material changes or color change outs
- Demountable rotor with tool-free disassembly facilitates cleaning and inspection
- Oversized rotor shaft creates a naturally radiused rotor pocket for more complete product release
- Available design for NFPA 69 blocking valve requirements
- CE & ATEX variants (optional)



## Cleanable Side Entry Receiver (CSER)

- Well suited for processes with frequent material changes or color change outs
- Simple design with minimal internal structure enables thorough clean-down
- Ideally suited for low headroom applications under pressure or vacuum
- Side entry and tool-free cartridge removal speeds maintenance with no confined space entry
- Operates as a filter receiver at the end of a pneumatic conveying system

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When it comes to material handling systems, we've got you covered. Our precise systems ensure your products will meet the specific needs of the customers you serve.

# Building success one coat at a time.

schenck process 

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