

# Bulk Material Handling and Processing Solutions in Catalyst Production

- » Pneumatic Conveying
- » Feeding
- » Dust Collection
- » Calcining

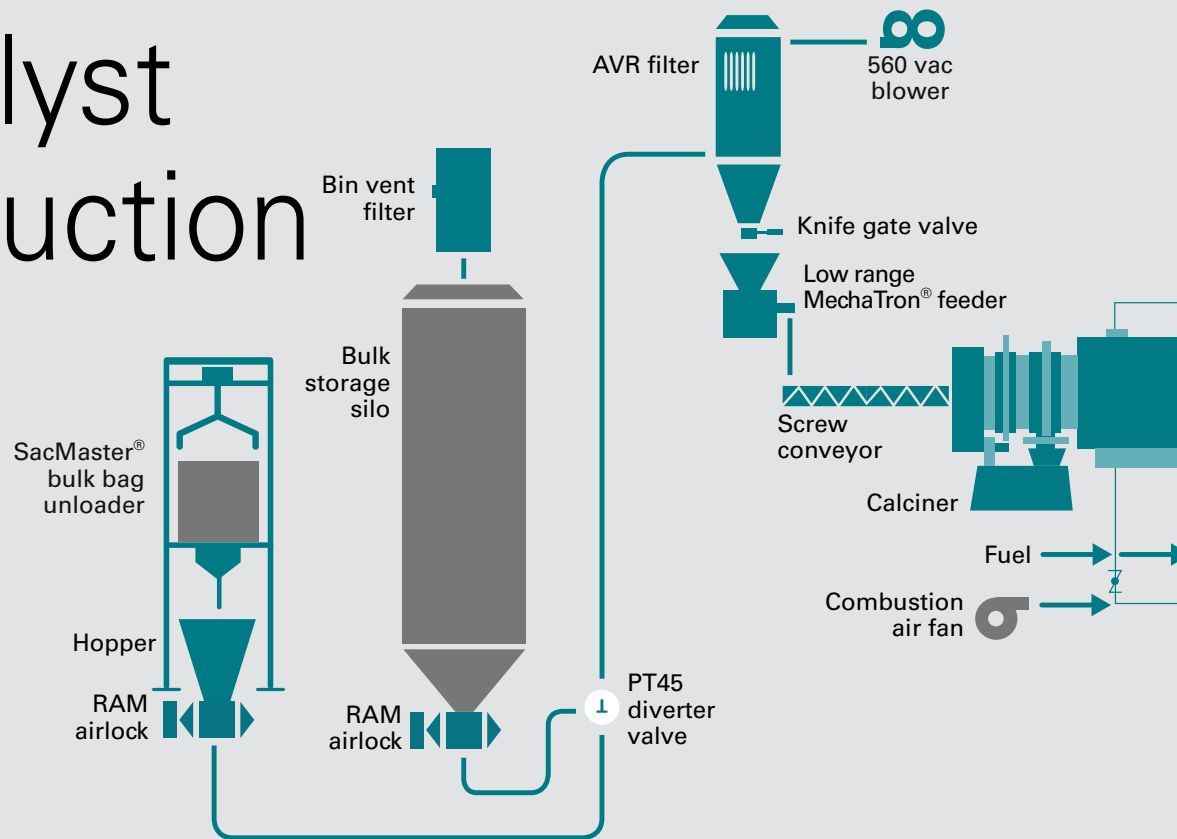


## System Solutions for Catalyst Producers

Schenck Process has provided systems and project support to many of the major catalyst producers for years through our pneumatic conveying, dust collection, weighing and feeding product offerings. With Raymond Bartlett-Snow joining Schenck Process we are now able to provide a full system approach to catalysts combining our traditional equipment with the Bartlett-Snow™ thermal processing equipment.

Whether you are in petroleum refining, polymer production, renewables, or a specialty chemical area, Schenck Process is positioned to provide a complete system solution. From rates of pounds per hour to tons per hour, our wide range of product offerings include dilute or dense phase pneumatic conveying equipment, loss in weight feeders, calciners and dust collectors that are customized to meet specific process requirements.

# Catalyst Production



### Pneumatic Conveying

Low pressure systems

- Dense and dilute phase, vacuum or pressure
- Systems for abrasive or fragile materials
- Easy to convey from a single source to multiple locations
- Convey over long distances

### Air Filtration

Pulse jet filters for dust collection applications

- High efficiency dust removal systems
- Bags are easily removed for routine maintenance
- Plenum can be designed as a walk-in so the filter media replacement occurs in an enclosure
- Filter bags are pulsed for ease of cleaning

### Calciners

For high temperature processing of granular products and powders

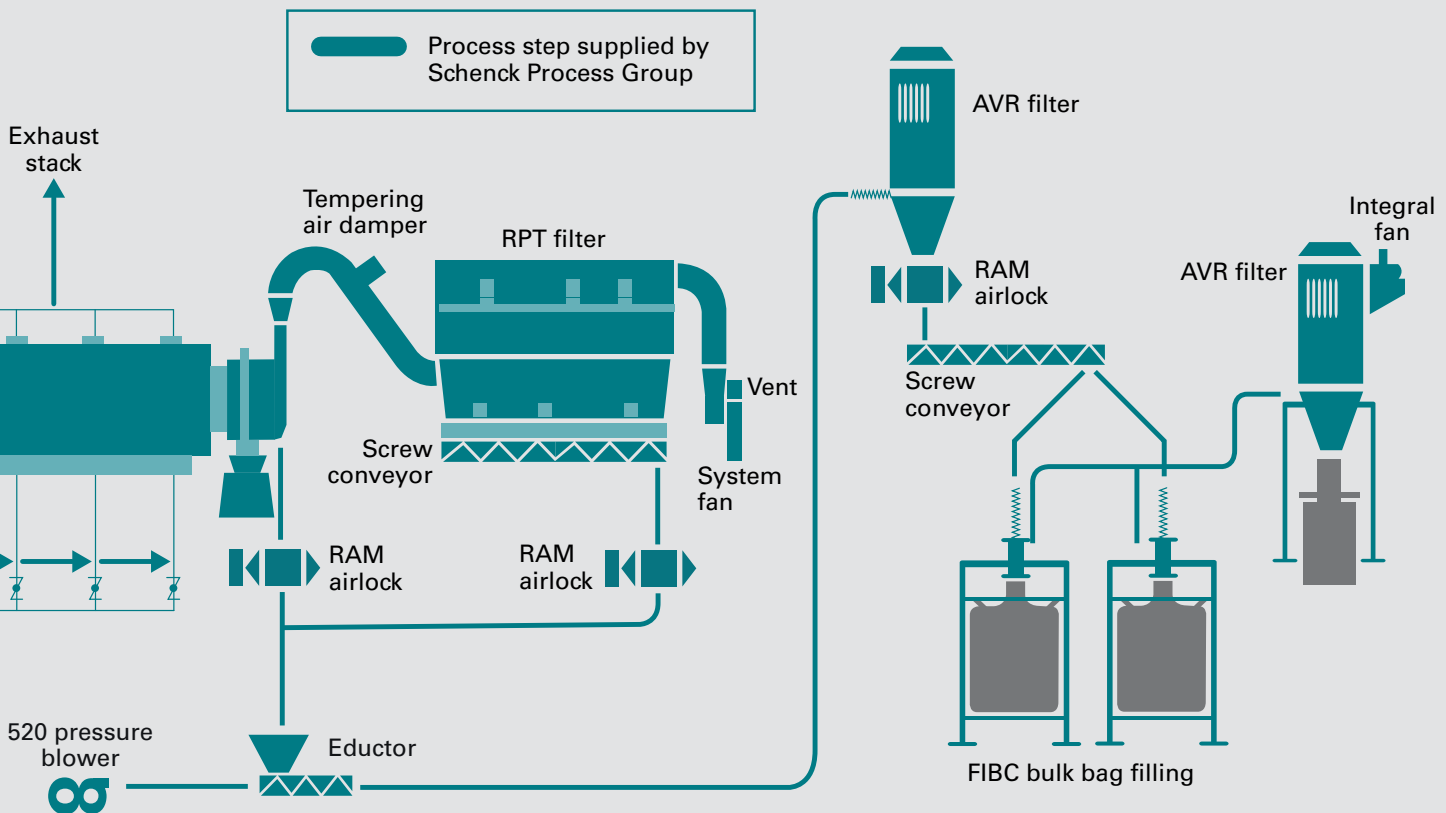
- Maximum product uniformity
- Greater yields
- Reduced process time factor
- Wide range of materials processed

## 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.



For clarity, this is a simplified flow diagram.



### Rotary Cylinders

Fabricated or cast cylinders

- New cylinders, retorts, replacement cylinders, cylinder sections and installation services
- Carbon steel, stainless steel or exotic alloy castings or fabrications
- Manufactured with a variety of internal flights and other designs
- ASME, AWA, API, TEMA and NEMA certified



### Weighing

Weighfeeders with feed rates from a few pounds to hundreds of tons per hour

- Ideal for free flowing materials
- Easy belt removal for maintenance
- Automatic belt cleaning and tracking system
- High feed accuracies



### Feeding

Wide range of feeder models and feed rates

- Volumetric or gravimetric configurations
- Easy disassembly for quick maintenance
- Internal agitation promotes material flow
- Feed rates up to 1,100 ft<sup>3</sup> per hour

BV-P5087EN. All information is given without obligation.  
All specifications are subject to change. © 2022



From one end of the plant to the other, Schenck Process provides bulk material handling, thermal processing and air filtration solutions in catalyst production.

# We are the catalyst for bulk material handling success



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we make processes work