

# Bulk Material Handling for Recycled Materials

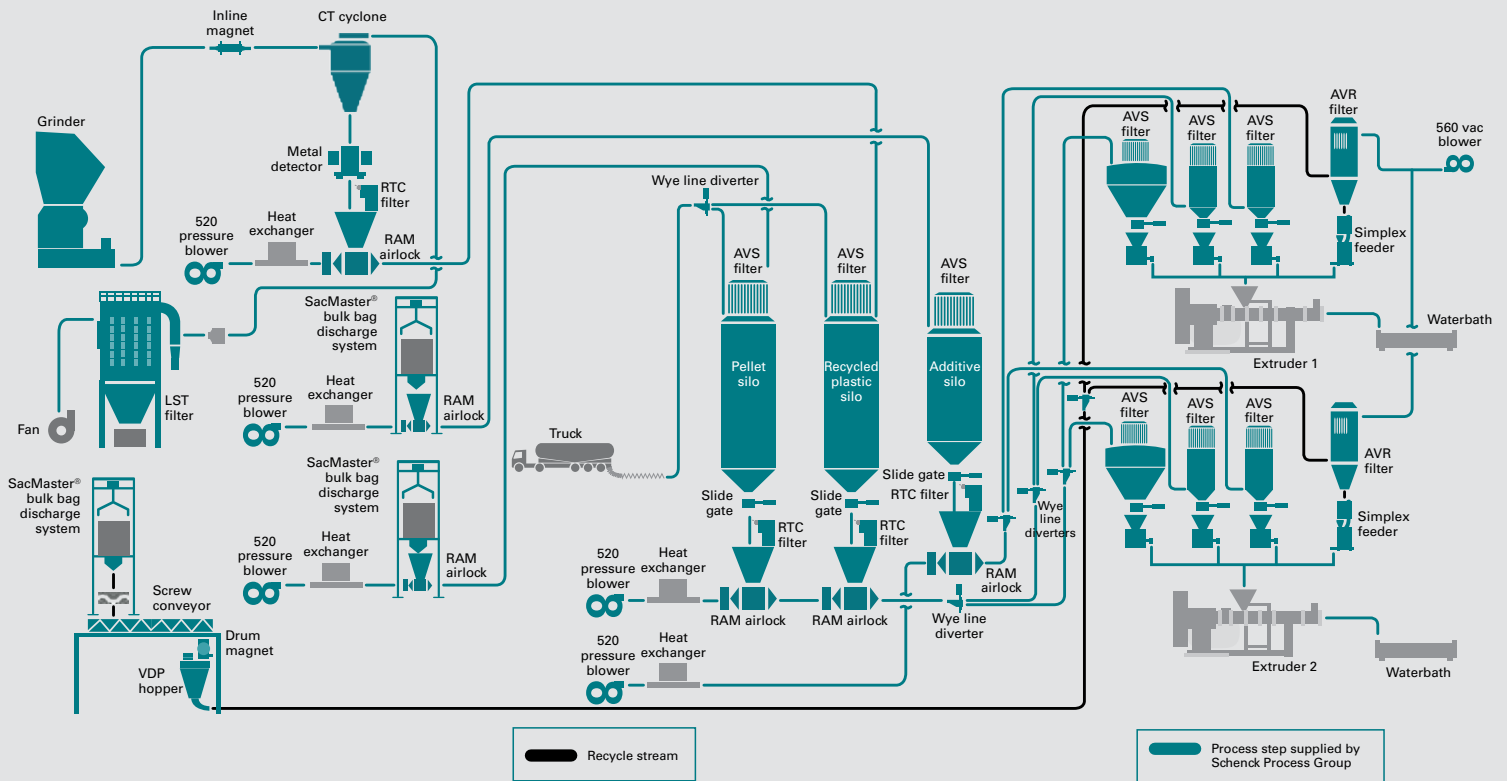
- » **Pneumatic  
Conveying**
- » **Feeding**
- » **Bulk Bag  
Unloading**
- » **Dust  
Collection**



## Systems for the Recycling Industry

Schenck Process has a long history of servicing and supporting companies in plastics and recycling industries. Recycling has quickly grown into a huge initiative for reducing waste going to the landfill and lowering the carbon footprint from producing virgin plastics.

The Schenck Process solution begins after initial separation of usable plastics from reject materials has taken place. Our systems can take the recyclable materials from grinding and classifying the plastics into the desired size all the way to the extrusion process and beyond.



### Pneumatic Conveying

Dilute or dense phase

- 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

### AVR Filters (air vent round)

Circled bodied pulse jet filter

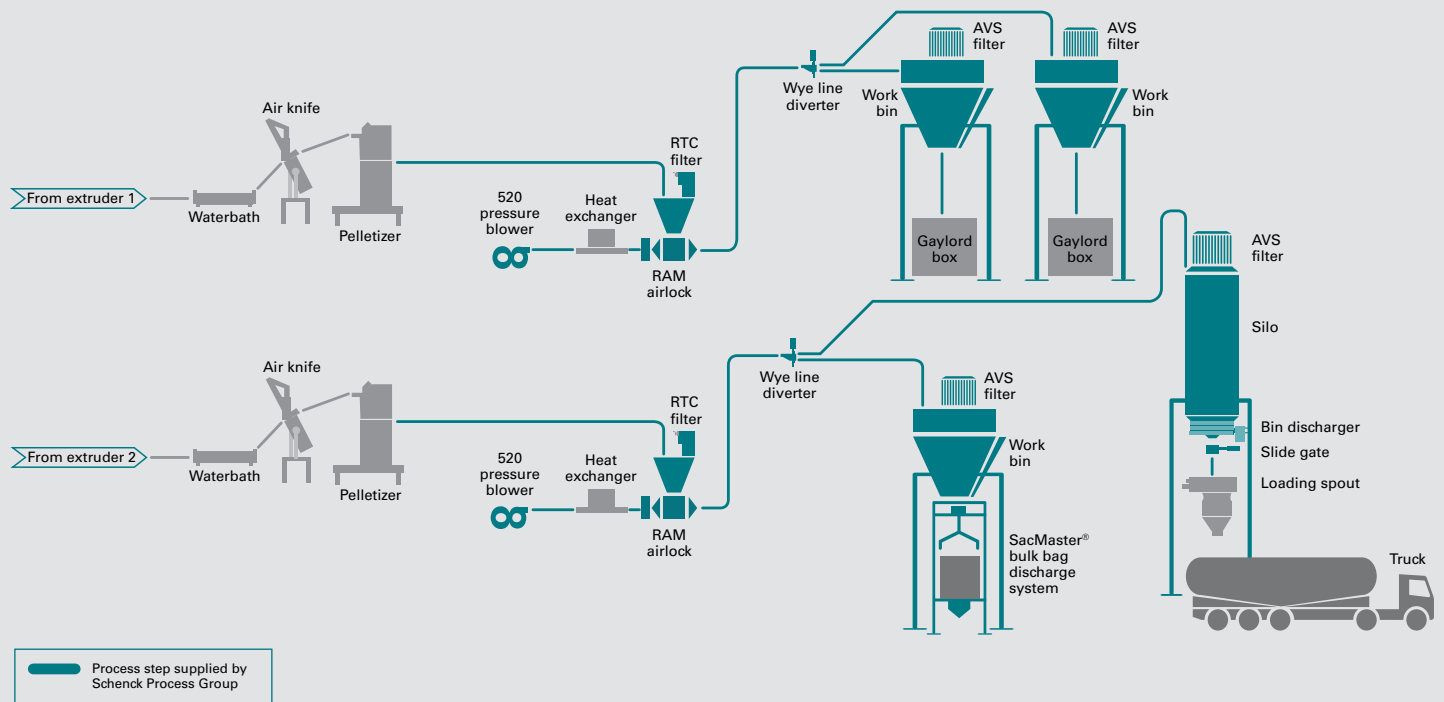
- Bottom removal filters capable of handling heavy dust loads
- Designed for vacuum, pressure and combination vacuum/pressure bulk pneumatic receiving and dust collection systems
- Handles low air volumes and higher pressure applications

### Simplex Feeder

Modular loss-in-weight feeding system

- Optimized for light, fluffy materials such as flakes or fibers and other virgin or recycled materials
- Full stainless steel construction with internal agitation
- Design provides excellent mass flow characteristics

With a full line of pneumatic transfer technologies Schenck Process can transfer the recycled plastics and other major and minor materials to the extruder. Utilizing our MechaTron® gravimetric feeding capabilities or Simplex Feeder which is designed for light, fluffy materials such as flakes, fibers, organic or inorganic, virgin or recycled materials, the options for feeding hard to handle materials to an extruder are endless. Once pelletizing is complete Schenck Process can pneumatically transfer the pellets to storage, packaging or bulk loadout stations. A full line of dust collection equipment is available for keeping your plant safe from harmful airborne materials.



### Round Airlock Multi-Duty (RAM)

- Universal airlock for rugged service
- Ideal for pressure or vacuum dilute phase conveying systems
  - Offers a high degree of accuracy
  - TS4 packing gland seal provides superior performance



### 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



### Air Vent Square (AVS) Filter

- Typically used as a nuisance dust collector for heavy dustloads
- Side door access to bottom load filter media
  - Suited for low headroom applications
  - Compressed air dislodges captured dust from filter media

BV-P5091EN All information is given without obligation.  
All specifications are subject to change. © 2022



Difficult to feed materials such as PET flakes, glass fibers, and regrind are easily handled with the Simplex Feeder.

# Challenge us with your hard to handle recycled materials

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