



# PRESEP

## Metal Separation Unit to Clean Highly Contaminated Bulk Material

- Detects and separates magnetic and non-magnetic metal contaminants, even when enclosed in product
- Reduces costly tool and machinery damage and prevents machinery downtimes
- Ensures product quality
- Prevents customer complaints
- Breaks even within a short period of time



- Modular and compact design with excellent cost/performance ratio
- Integrated into conveying systems for preliminary inspection of plastic granulates
- Mobile stand-alone device for quick application in the entire production and storage area
- Highest separation accuracy achieved through the combination of material dosage, magnetic separator and metal separator
- Recovery of up to 98% of contaminated materials (depending on type of material and type and degree of contamination)
- Optimises metal separator performance
- Maximises economic benefits of processing regenerates and grinding stock
- Minimises loss of good material through selectable material dosage



### Function:

The metal separation unit PRESEP is used to analyse bulk material highly contaminated with metal particles. First, the granulate passes a magnet system with neodymium high energy magnets on a feeder and vibration chutes. The magnet system separates all Fe metal particles, even Fe dust. The system is equipped with the S+S "Easy Clean" option for simple cleaning. The pre-cleaned material then passes the metal separator RAPID VARIO, which rejects all non-magnetic metal contaminants. The pure granulate can then be processed further.

PRESEP also works as a pre-cleaning station when granulates, regenerates, etc. enter the metal separator within the central material conveyor.

S+S also offers the metal separation unit PRESEP as a compact and mobile stand-alone device; useful for applications in production and storage.

### Scope of delivery:

- Feed hopper in stainless steel 1.4301
- Vibrating chute, speed selectable
- Magnetic system EXTRACTOR-J with neodymium magnets and "Easy-Clean" option
- Metal separator RAPID VARIO
- Assembling frame for wall mounting

### Options/Accessories:

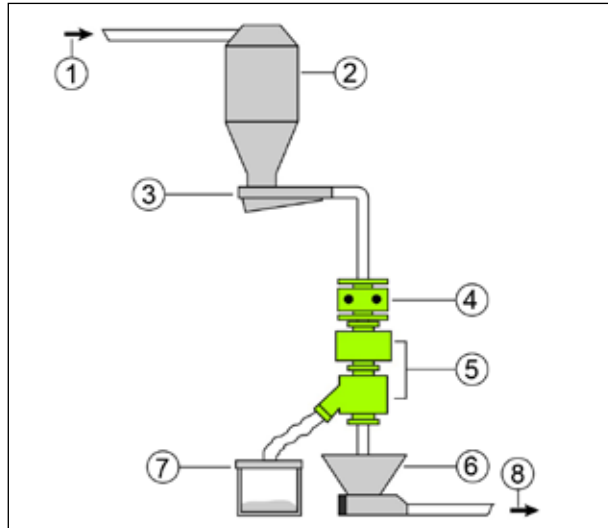
- Mobile assembling frame
- Suction box
- Collecting tray
- Optical and audible signal
- Filter regulating valve
- Air pressure monitoring
- UL/CSA Certification

### Typical Application Areas:

- Plastics production
- Plastics processing:
  - Central material conveyor systems
  - In-house-recycling
- Recycling industry
- Chemical industry

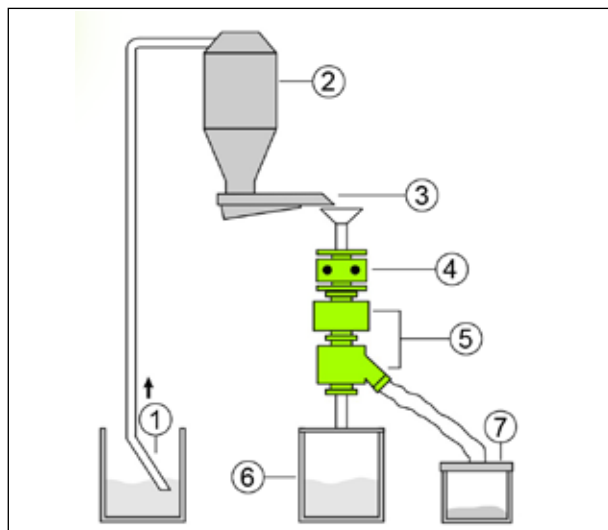
### Function chart:

PRESEP integrated into a material conveyor:



- 1) Pipeline      2) Material conveyor      3) Vibrating chute  
 4) Magnet system EXTRACTOR-J      5) Metal separator RAPID VARIO  
 6) Suction box      7) Collecting tray for reject material  
 8) Transfer e. g. to material station

PRESEP used as a stand-alone device:



- 1) Octabin      2) Material conveyor      3) Vibrating chute  
 4) Magnet system EXTRACTOR-J      5) Metal separator RAPID VARIO  
 6) Collecting tray for good material      7) Collecting tray for reject material

### Application:

- Tool and machinery protection for injection moulders, extruders and blow moulders for plastic granulate highly contaminated with metal particles
- Quality control for incoming and outgoing goods, granulates, regenerates, big-bags and bagging stations