

hamos FFS / HS / LCS



hamos FFS



hamos FFS Flakes



hamos HS

hamos electronic All-Metal Separators - Economical and reliable protection of machines and products

hamos Electronic All-Metal Separators are used for fully automatic separation of metallic contamination. Both ferrous and non-ferrous metals (e. g. aluminium, brass, stainless steel etc.) are detected and separated.

Electronic All-Metal Separators are an economic protection of processing machinery and tools. Damages and shut-downs are avoided reliably.

Metal Separators are important guarantors for the quality of raw materials and final products in the fields of feed, plastics, chemicals etc.

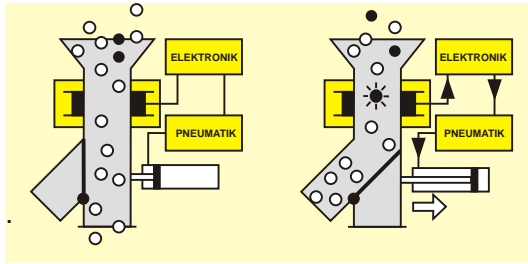
Application Fields

- Plastic industry
- Recycling industry
- Feed industry
- For protection of extruders and other equipment
- Plastic regrind and flakes
- And many more

Your Advantages

- Protection of machinery, tools and products
- Easy to operate
- Thousand-fold proven technology
- Easy to mount
- Fully automatic operation
- Integrated electronics
- Self-monitoring with diagnostic function
- Universal field of application
- Large range of accessories
- Almost maintenance-free

hamos HS - The Solution for Free-fall Applications

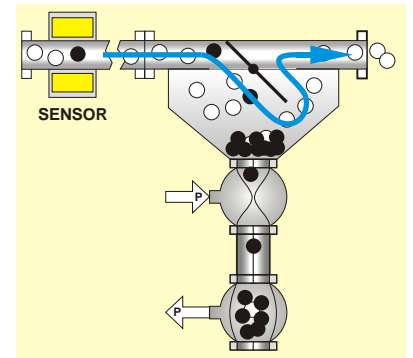


HS functional principle

hamos HS All-Metal Separators are designed for gravity fed free flowing products. The material falls through the shaft of the metal separator. Contingently contained metallic parts are detected electronically. A pneumatic operated ejection flap is activated. The product stream is diverted temporarily and the metallic part is separated together with a small amount of the product. Our stocking program contains units with sensitivities from approx. 0.5 mm (steel sphere diameter) and for throughputs up to 23,000 kg per hour.

hamos FFS - The Solution for Pneumatic Conveying Systems

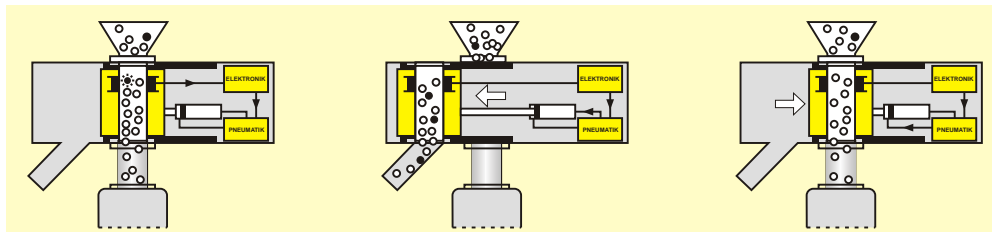
With **hamos FFS** All-Metal Separators the product to be demetallised is conveyed through the metal search coil pneumatically. Depending on the kind of transportation (pressure or vacuum system, continuous or intermittent) specially designed rejection mechanisms are used. When a metallic particle is detected the rejection flap inside the unit is opened. The product stream is diverted temporarily and the metallic part is sent into the separation container together with a small amount of product. The conveying pressure is retained during the entire separation procedure. Units for tube diameters from 38 mm [1½"] (max. sensitivity approx. 0.5 mm) up to 100 mm [4"] (max. sensitivity approx. 1.2 mm) are offered.



FFS functional principle

hamos LCS - The Solution for Direct Mounting on Extruders and Injection Moulding Machines

hamos LCS separators are used for slowly moved material columns. When metal is detected the complete search coil together with the contaminated material is brought into the reject position pneumatically. The



LCS functional principle

contaminated materials fall off. During the reject procedure the material inlet is closed by a sluice plate. After metal rejection the sensor is returned to the initial position. The **hamos LCS** is available in three different sizes (50, 70 and 100 mm [2", 2¾", 4"]) with max. Sensitivities from approx. 1.0 mm.

hamos **supplies additional systems:**

- **KWS** Electrostatic Separators for recovery of finest metallic particles
- **EKS** Electrostatic Separators for plastic-plastic separation

All data, pictures and features shown on this catalogue are purely indicative and have no legal validity. The manufacturer reserves the right to make changes and or update information at any time without prior notice.

hamos GmbH
Recycling- und Separationstechnik
Im Thal 17
82377 Penzberg / Germany

Your local agent / representative:

Phone: +49 (0) 8856 / 9261-0
Fax: +49 (0) 8856 / 9261-99

ek@hamos.com
www.hamos.com