

METAL SEPARATOR

Metal separation from the product stream

Metal separation after the granulator or before the pulverizer:

Separation of foreign material from the product stream.

A) Permanent- or electro magnets

In the event that magnetic foreign particles must be removed from the product stream **Neue Herbold** offers solutions for the specific application.

When dealing with free flowing material a cross webbed magnet can be installed in the material transport system or for poor flowing material a cascade magnet can be installed. For special applications such as film is the installation of a pipe magnet recommended.

Cascade magnets and pipe magnets are equipped with automatic self dispersion which operates with a instantaneous material discharge of the metal contaminants.

B) Inductive metal separator

A metal separator operates similar to a metal detector bridge but due to the smaller through put diameter of the unit is used literally to remove smaller pieces of metal from the size reduced granulate.

The only inconvenience with this unit is the amount of material that will be diverted with the metal. material during detection and separation mode.

In the event that the size reduced material consists of a large portion of metallic foreign material it is recommended to install a permanent or electromagnet upstream

When the granulate consists of non magnetic substances for example aluminium by window profiles or bottle crate material then it is advisable to integrate an air aspirator system.

Pulverizer with inductive metal separator ↓

