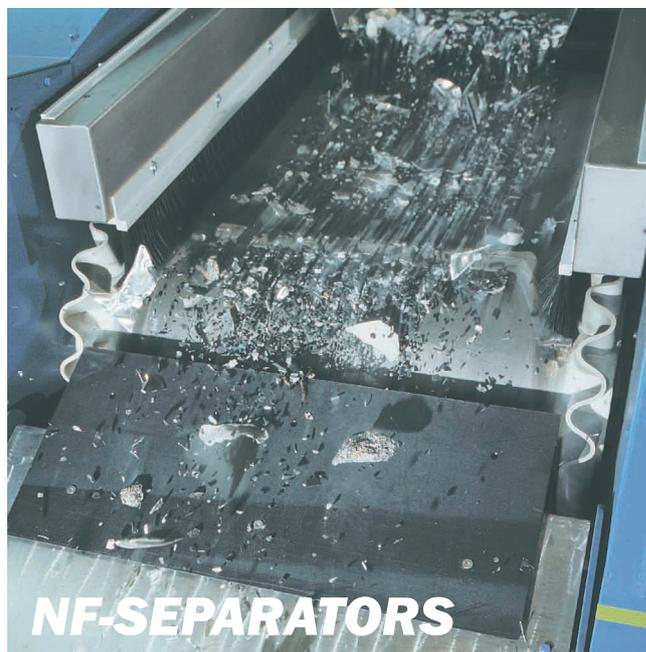


**Reliable Protection
Of Machines And Plants**



**Technology
Full Of
Attraction**



wagner
magnete

Our experience in magnet technology

In 1953, we already built the first magnetic belt separator. Continuous research and development, high quality materials and experienced specialists are decisive for setting new standards in future as well. Please make use of our experience in order to optimize your plants with the latest magnetic systems and technology.

**Magnet Overbelt Separators:**

Particularly spacy and long but also bulky ferrous parts can be separated from a continuous material flow by magnetic belt separators. They are usually arranged longitudinally at the end of the conveyor belt or across the conveyor belt. Electro magnets dispose of a large depth action. Permanent magnets do not require current supply for the magnet block.

**Magnetic Pulleys:**

Magnetic pulleys instead of head pulleys are used in conveyor belts for separating ferrous parts from bulk material. Subsequent assembly is possible without any problems. Apart from permanent magnetic pulleys electromagnetic pulleys are used in special cases. These shaft ends are designed according to the customers' specifications.

**Magnetic Drums:**

Magnetic components can be separated by magnetic drums from pourable goods. The material is ideally supplied via a vibrating chute towards the drum as far as rotating permanent drums are concerned. Electro magnetic drums with large depth action are used for a lifting mode of operation.

**Non-Ferrous Separators:**

The induction principle of a high-frequency magnetic field is used for separating non-ferrous metals. Quickly rotating high-performing magnets induce eddy currents in non-ferrous metal parts thus generating repelling forces. Single-layer material supplies and equal grain sizes are the pre-condition of an efficient separation.



Separator Magnets:

If only small quantities of space and long ferrous parts are contained in bulk goods we recommend the use of separator magnets. Permanent magnets are efficient for working heights up to 350 mm, larger depth action is achieved with electro magnets. While they can be switched off for removing ferrous parts, mechanical cleaning devices for permanent magnets are available.



Magnet Plates:

Our protective magnets are used for applications when only few ferrous parts or parts that can easily be separated must be attracted. The material to be conveyed is herefore led over the pole face on which ferrous parts are seized. Electro magnets control layer heights up to 150 mm. Neodymium magnets generate verly strong holding forces even in case of smallest construction sizes.



Metal Detectors:

Metal detectors became established as reliable protection for crushers and other valuable components. Our divisible tandem sensors for the simple installation and our closed vertical sensors for highest preciseness come with high serviceability and operation reliability. We also offer numerous special designs for very comprehensive applications.



Complete systems:

We are particularly strong in working and realizing conceptions for an optimized metal separation. We suit multi-stage ferrous separators and systems for a combined ferrous and non-ferrous separation to special applicatons. Our most modern control technique makes the problem-free integration of our devices into modern power stations and processing plants possible.



The particular is our standard

As family firm rich in tradition we want to be a competent and reliable business partner for our customers. Reliability and loyalty are very important values for us. Our competent contacts will be at your disposal at any time. Realizing your wishes is our first aim according to the slogan: The particular is our standard.



Clamping devices	Clamping systems for machining, removing and shaping machine tools as well as fastening devices for laser welding
Control electronics	Magnetic control systems with pole reversal equipment together with drive and monitoring units
Demagnetising units	For demagnetising steel components that may not have any residual magnetism
Lifting magnets	For the handling and transport of steel products. For the handling technology of magnetic gripping- and robot systems
Holding magnets	For handling technologies, the construction of jigs and fixtures and magnetic gripper systems for robot systems
Magnetic separators	For separating ferrous parts from bulk- and transporting goods in the processing and recycling industries
Non-ferrous separators	For the separation and recuperation of high-grade non-ferrous metals such as aluminium and copper
Metal detectors	For controlling delivery flows, detecting metallic foreign matters and for the protection of valuable plant components

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