magnetic systems

Magnets for the plastics industry
Quality assurance!

Metal contamination in plastics often lead to production standstills and quality reduction. Injection moulding machines, extruders, calendering machines, mixing, milling and other equipment can all be adversely affected. Moulds, dies and other machine components can all be damaged by metal particles. With magnet systems from Goudsmit damage caused by ferrous particles can be avoided. They assure you of continuous high production quality and an uninterrupted production process. The magnetic systems can be integrated in vertical (pneumatic) transportation systems above conveyor belts or in existing (vibrating) systems. They remove ferrous particles of approximately 30 microns and greater from powders or granulates. In addition to various magnet systems Goudsmit also supply metal detectors that can be incorporated into a production line after the magnet. At Goudsmit you can find the complete solution to all your metal problems under one roof!

**PIPE MAGNETS**
Permanent and electro-magnetic models are suitable for de-dusting large quantities of granulates and powders (up to 440 m³/hr). Extremely effective for de-dusting recycled materials.

**GRID MAGNETS**
the Neoflux® model (with extremely powerful Neodymium iron boron magnets) is simple to incorporate into transportation tubes and hoppers, and removes small ferrous particles from various materials.

**CLEAN FLOW MAGNETS**
are available in manual cleaning and self-cleaning models, require little installation height and achieve a high magnetic strength (8000 Gauss). They remove ferrous particles of 30 microns and greater from clean raw materials (powders and granulates).

**HIGH GRADIENT SEPARATORS**
in addition to removing extremely fine ferrous particles from plastic granulates, also remove light magnetic materials. The system is cleaned continuously and requires little installation height.

**OVERBELT MAGNETS**
in permanent and electro-magnetic models can be employed in the recycling of plastics (clothes-hangers, PET bottles, crates etc.). In combination with a magnetic head-roller an even higher degree of de-dusting can be achieved.

**ALL METALS CATCHER**
catches all metals: the de-dusting magnet first removes all ferrous particles, following which a metal detector detects and ejects the remaining non-ferrous metals (aluminium, tin, copper etc.). Intended for conveyor, free-fall and pneumatic transport systems.

A GARANTY OF QUALITY FOR YOUR PRODUCT USING OUR MAGNETS!

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**Goudsmit**
Magnetic Systems

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