



The magnetic world of Goudsmit



Most people rarely think how often they come into contact with magnets, directly or indirectly. Magnets are used everywhere in the world for the most diversified items; in the household, the agricultural sector, technology, industry and medicine.

Goudsmit: a world of magnets!



Magnetic gripper for handling of a car roof for example. Also available with vacuum power for stainless steel and aluminium.



CNC Measuring bank with permanent magnets.



Design & production take place in-house.

The name Goudsmit is synonymous for magnets. This family business, founded in 1959, with now the third generation in management, has more than half a century of know-how. This forms the basis for quality in all areas: from magnetic materials to magnetic transport, recycling, metal separation, lifting equipment or as promotional item. Magnets are used in a variety of different industries. Design, production and assembly take place under one roof. This results in magnetic systems that all continents worldwide can use to their advantage.

The following companies are currently active in the Goudsmit Magnetics Group BV:



Goudsmit Magnetic Systems B.V. provides everything in the area of metal separation and detection, magnetic transport & handling, recycling, lifting loads and demagnetising of products. ISO, TüV and ATEX certified.



Goudsmit Magnetic Supplies B.V. provides permanent magnets and electromagnets in the broadest sense; Ferrite, Alnico, ceramic, Samarium-Cobalt and Neodymium magnetic material, (electro) pot magnets. Adapted to the finest tolerances that are required in a variety of (electronics) products, according to the NEN-EN-ISO 9001 standard.



Goudsmit Magnetic Design B.V. designs, develops and produces standard and custom-made magnetic products for the office, promotional and educational sector. Includes printing and packaging. Member of PSI (nr. 43808).



Aimants Goudsmit France s.a.r.l. is the sales office for the whole Goudsmit Magnetics Group.



Goudsmit Deutschland is the sales office for Goudsmit Magnetic Systems.



Wamag spol., s.r.o. is an international company with own production, responsible for the sale of Goudsmit Magnetic Systems in Eastern Europe. Member of the Goudsmit Magnetics Group.



Goudsmit U.K. Ltd supplies magnetic solutions, industrial components, plastic injection products and casted moulds and offer an extensive design and consultancy package, including magnet calculations.



Goudsmit China Magnetic & Plastics works closely with sister companies Supplies and Design. Production of, among other things, assemblies, composed of permanent magnets, plastic and/or metal, as well as magnetic promotional products takes place in China.





A **pipe magnet** removes iron particles from various powders and bulk goods, among others, from fire-brick (ceramic industry).



A **metal detector** in combination with a clean flow magnet. Ensures the removal of all metallic particles.

Metal separation

In metal separation in the recycling and process industry, metal particles are removed from liquid, viscous, powder and granular (raw) materials using magnets, non-ferrous separators and metal detectors. Several industries take advantage of this; the bulk, food, animal feed, chemicals, plastic, ceramics, pharmaceutical and recycling industry. The use of magnets and metal detectors in various production lines prevents production stops, claims (food industry!), saves time and money and also contributes to a cleaner environment.



Magnet filter for the removal of iron particles from fruit pulp.



Minuscule small iron particles and stainless steel dust are captured by a strong Neoflux® magnet filter; **HACCP** required.

Goudsmit Magnetic Systems



*Electro **lifting magnet** for steel plates.*



*The **Magnetic Gripper** with vacuum handles a BMW car roof, but is also suitable for perforated steel plates, aluminium or stainless steel. Without change over!*



***Plate separators** for the easy separation of stacked steel plates.*

***Demagnetisation tunnels** for, among others, piping and rails and packaged iron goods.*

Magnetic handling & demagnetisation

Goudsmit has several standard magnetic components and systems. That can be used to pick up, secure, transport or demagnetize ferro-magnetic objects. The transport of cans, crown corks, glass jars with screw caps and aerosols is also possible with the aid of Goudsmit magnets, as well as the palletising of packages, separation of stacked steel plates and directing and/or transportation of metal goods. In short, magnets facilitate the production process considerably.

Demagnetisation

The effects of undesirable magnetism are varied. A nut that keeps hanging to a screw hangs is inconvenient, however, two plates that accidentally end up in a mould is downright expensive.

The demagnetisation of magnetized materials extends the lifetime of production materials and machines, increases productivity, improves the quality of end products and saves costs.



***Demagnetisation on location** – in this case an oil-pipeline in India – also belongs to Goudsmit's possibilities.*



Metal and waste recycling

Robust and non-ferrous magnetic separators (Type Eddy Current), constructed by Goudsmit, are used in waste and recycling industry and remove ferrous and nonferrous metals (0-50 mm) from recycled materials such as clinkers, household waste, glass, wood, rubber, plastics, WEEE waste, refrigerators, shredder residue and more.



Electro overbelt for Bio mass power station.



*A **Neoflux® Drum magnet**, for catching Ferrous parts of 0-10 mm in a glass recycling process.*



***Neoflux® High-gradient separators** are set up for transport and find their application in the separation of weak magnetic stainless steel particles from clinkers.*



*The 3-stage arrangement of the **Non-ferrous separator** removes non-ferrous particles of 2-5 mm from slag combustion and takes care of a high – and thus cost-effective – degree of separation.*



Goudsmit Magnetic Supplies specializes in the design, development and production of magnets and magnet systems. Our quality is guaranteed by a team of experienced QA engineers who use the most advanced measuring instruments such as Permagraph, Helmholtz coil, flux meters and CNC operated 3D measuring equipment. Customers, ranging from automotive to electronics, trust Goudsmit Magnetic Supplies for the supply of the most suitable magnet for their application, entirely according to EN ISO 9001 and TS16949 certification.



Supplies uses the newest CNC measuring equipment.



Also magnetic assemblies in the form of overmoulding, ultrasonic welding or gluing are possible.



Goudsmit Supplies has a 3D Helmholtz coil, that can be used to measure the magnetization angle.

Pot magnets in various qualities, also in electro version.



Supplies delivers Nd-Fe-B, Sm-Co, Ferrite, Alnico & plastic bound magnets in various forms, intended, among others, for the automotive and electronics industry.





Goudsmit Magnetic Design designs, develops and produces standard and custom-made magnetic products for the office, promotional and education sector. Includes printing and packaging.

Your three-dimensional product can be made of plastic. Equipped with a magnet, this is a perfect eye catcher or memory. The steel walls in various offices can be equipped with magnetic coat hooks or wall magnets for hanging of, for example, paintings. Signage in warehouses or labelling of storage systems is possible with flexible magnetic material in all shapes and colours, printed or unprinted.

In short: design your own product and Design will realize it for you!



Memo magnets in various forms and measurements. Standard, printed or with doming.



Magnetic coat hooks for steel walls and cabinets. Flexible and keep walls intact.



Custom made refrigerator magnets, form punched and printed as desired.



*Magnetic whiteboard, writeable and erasable.
Can be printed with logo or promotional
message.*

Magnets for warehouse racks.