

MAGNAPOWER



magnetic processing technology

Maximise Recovery of Ferrous Metals

High performance magnet design to suit your application (ferrite, rare earth or electro) to provide the most effective and efficient method of metal recovery.

Minimise Maintenance

Wear resistant non-magnetic drum skin.

Permanent magnet drums are built using high intensity non-deteriorating material, so not only is no power required to the magnet, but it will also provide maximum magnetic force for the lifetime of the machine.

High permeability iron circuit to minimise stray magnetic fields in shaft and bearings thus prolonging their life.

Optimise Throughput

Deep field magnet systems penetrate through the product burden and remove the maximum amount of ferrous metal. This allows for a higher throughput of material to be separated efficiently.

Comprehensive Range

We offer a complete range of Drum Magnets (Non-Deteriorating Rare Earth or Ferrite Permanent Magnet or Electro Magnet System) to suit your separation requirements, feed width, product size and throughput.



Magnet Systems

All magnet systems are designed to give maximum separation performance with either an alternating pole or continuous pole design depending on the application.

Standard Strength Ferrite Magnets: suitable for separating general tramp iron and contamination such as nuts, bolts, nails, steel cans, wire etc.

High Intensity Rare Earth Magnets: suitable for removing general tramp iron, weakly magnetic material, fine iron/wire and ferrous metal with inclusions such as wood, rubber, non-ferrous metal etc. The Rare Earth Magnet System is recommended when a maximum level of metal removal is required.



Magnapower Equipment Ltd, 11 North Street Industrial Estate, Droitwich, Worcestershire. WR9 8JB, U.K.

Tel: +44 (0) 1905 779 157 Fax: +44 (0) 1905 779 867 email: info@magnapower.co.uk

web: www.magnapower.co.uk

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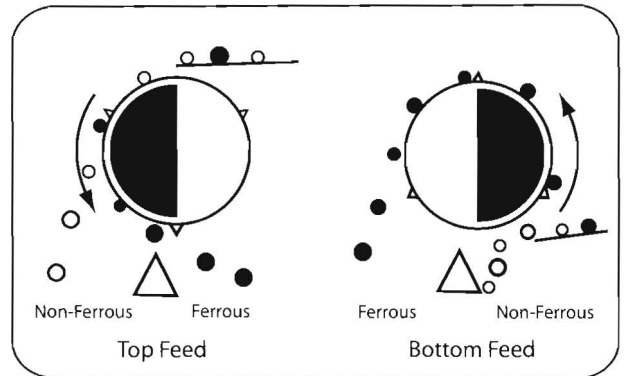
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Electro Magnets:

Our high intensity deep field electro magnet systems are typically used in fragmentiser plants and are ideally suited to material fed to the under side of the drum magnet. Please contact us for a more detailed specification of this high performance separator.

Operation

Material is typically fed on to the surface of the drum by vibratory feeder or chute work. The magnet system holds ferrous metal to its surface allowing the non-magnetic material to fall away from the drum. Ferrous metal held on the surface is carried by the revolving drum to a position where the magnet system ends and it then drops away from the 'cleaned' product.



Drum Magnet Separator

Typical Applications Include:

- Fragmentiser metal recovery
- Wood waste recovery
- MSW metal recovery
- Aluminium extrusion recycling
- Incinerator Bottom Ash recovery
- Glass cullet recycling
- Kerbside collection separation
- Fridge Recycling Plant metal recovery
- Tyre Wire Separation



We offer a complete range of magnetic separation equipment including:
Eddy Current Separators - Overband Magnets
Magnetic Head Pulleys - Can Sorters

