



## Magnetic Drum

> Shredders, municipal waste, scrap, WEEE, mining, steel mill slag, aggregate, wood processing, etc

# Magnetic Drum

STEINERT magnetic drums excel at ferrous removal in a wide range of applications. They have no dead spots and work with larger operating gaps. They yield clean ferrous product and clean bulk product, and also, protect processing equipment from damage by tramp iron.

## APPLICATIONS

**HYBRID Drum®** - a registered trademark of STEINERT - greatly increases productivity in the metal processing industry. The combination of even stronger electromagnetic ANOFOL coils and permanent magnets boosts efficiency by about 30%. A powerful claim - to your benefit. Removal of tramp iron from coal or glass is also easily done. There are a number of designs available depending on the material size and task to be done:

### **MTE Q Axial Pole Electromagnetic Drum**

Designed to be underfed this drum can recover very clean ferrous material depending on the volume and size of material. STEINERT offer widths from 800mm to 3400mm (32"-135") and diameters from 800mm to 1800mm (32"-72").

### **MTE S Radial Pole Electromagnetic Drum**

This drum produces a strong attraction field. The ferrous particles - once attracted - remain attached to the drum until reaching the end of the magnetic field.

### **MTP Permanent Magnet Drum**

Available in axial (Q) or radial (S) design, this drum is suitable for medium to fine bulk material. Working widths from 220mm to 2000mm (9"-80") and diameters from 200mm to 1000mm (8"-40").

## TECHNOLOGY

STEINERT offers both electromagnetic and permanent magnet drums in overbelt or underbelt versions (which can be fed from the top or from below). STEINERT uses proven designs as a basis, and then continuously improves and refines them. Their special design ensures maximum purity and thus facilitates attractive marketing of the iron. STEINERT magnetic drums are extremely durable and distinguished by their long service life.





STEINERT uses larger shafts and drum bearings with independent housings. These provide increased durability under severe conditions and excellent maintenance accessibility.

Along with the larger size and greater attraction forces of our magnetic cores, STEINERT has designed stronger drum shells, side plates and torque arms to compliment the increased capability of these heavy duty drums.

STEINERT can provide custom arrangements of drive, power and support components as well as accessories (wear covers and skirts) to suit your individual needs.

The magnetic core in all STEINERT drums is adjustable, making it possible to choose the exact pick up point of the magnetic material ensuring clean material.

Instead of traditional iron core, STEINERT's electromagnets use a combination of cast steel cores and highly compact and heat resistant coils of aluminium strip, ANOFOL - another STEINERT product that outperforms ordinary electromagnets.



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