



# High Intensity drum magnets

Separation system for recycling industries



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### **High Intensity drum magnets**

The drum magnet, also called separation drum, consists of a drum rotating around a static magnet. The material is fed onto the magnetic part of the drum. As the drum rotates past the magnetic field, the attracted metals are forced away from the magnetic field by the idlers and can be collected in a receptacle.

These drum magnets are equipped with extremely powerful magnets which makes them a perfect solution for separating very small iron particles as well as stainless steel. Preferably the drum is fed by a vibrating feeder to ensure an optimal separation result.

The drums are available in diameters of Ø300mm and Ø400mm (A) with a standard stainless steel or optional manganese shell if processing abrasive materials. Apart from our standard range of widths we can adapt them to your specific need if necessary.

- Drum : Stainless steel 1.4301, with idlers
- Surface treatment : Untreated
- Magnetic part : Magnetic area 180 degrees  
Permanent Neodymium magnets quality BM50  
Manually adjustable

#### On request:

- Manganese steel shell to protect the drum from impact and abrasive materials.

Article number	B	C	D	E	Weight (kg)
29.810	500	400	900	400	156
29.811	600	500	1000	400	187
29.812	700	600	1100	400	218
29.813	900	800	1300	400	280
29.814	1100	1000	1500	400	342

Sizes and dimensions (in mm) as shown in the drawing.

### **High Intensity Separator System**

High Intensity Separator Systems can be fitted with a Ø300mm or Ø400mm High Intensity drum and include an SEW engine, vibrating feeder, material splitter and the framework on which everything is mounted. Easily installed into the production line or used as a stand-alone system.

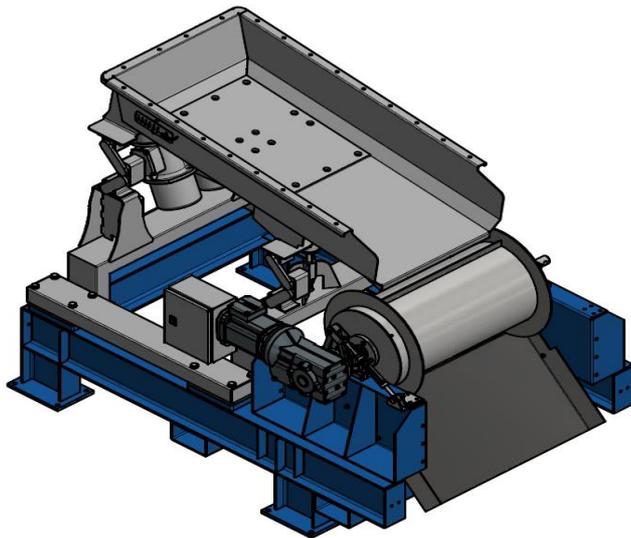
These systems are equipped with extremely powerful magnetic drums which makes them a perfect solution for separating very small iron particles as well as stainless steel.

- Drum : Stainless steel 1.4301, with idlers
- Surface treatment : Drum and feeder trough untreated  
Framework painted blue RAL5015
- Magnetic part : Magnetic area 180°  
Permanent Neodymium magnets quality BM50  
Manually adjustable

#### On request:

- Manganese steel shell to protect the drum from impact and abrasive materials.
- Manganese wear plate in the vibrating trough to protect the feeder from impact and abrasive materials.

The magnetic part of the drum is adjustable for optimal adjustment to your situation.



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