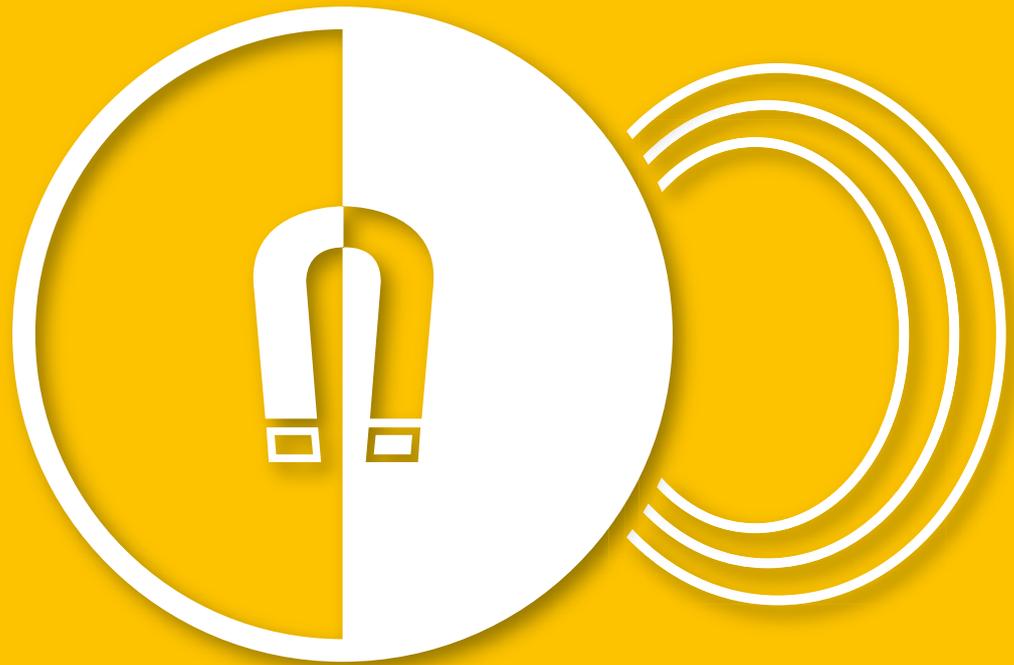


# IMRO MagnetSort



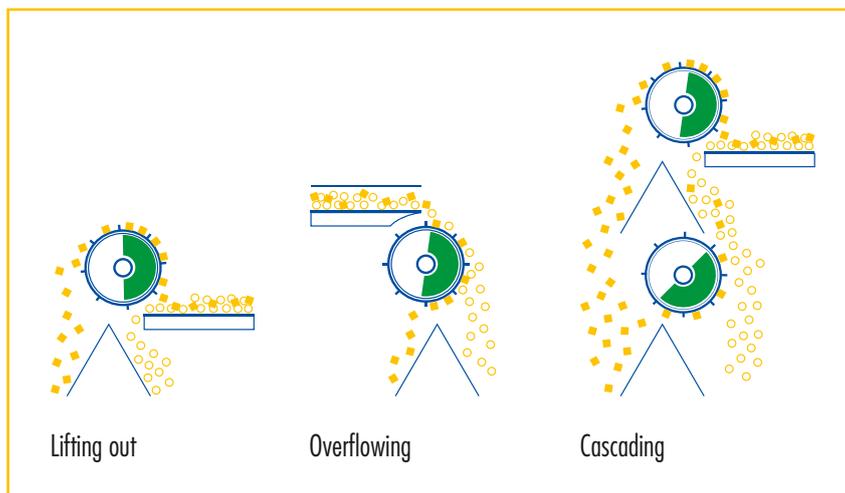
**IMRO Permanent Magnetic Drums**

**Recycle Craft<sup>®</sup> by IMRO**

## IMRO Permanent Magnetic Drums - Diverse fields of application

IMRO Permanent Magnet Drums are always used where reliable ferrous separation is required. Whatever process is your priority, whether it is iron recovery, materials purification or wear resistance and machinery protection, this magnet system can do the job. Ferrous material is recovered from medium to fine bulk solids. Fields of application are ferrous separation from valuable materials, domestic refuse, shredded material, wood, glass, construction waste, moulding sand, e-waste, coal, food and feed products.

The magnetic drums are arranged differently to the material stream. Material feeding can be achieved by using feed chutes and slides, as well as by loading via conveyor belts or arranging the drum at the outlet of a hopper. Magnetisable structural parts may not be used near the magnetic field as the resulting opposite polarity interferes with the ferrous separation.



### Magnetic quality Ferrit or Neodymium

The drum shell is made of austenitic manganese steel or wear-resistant, high-grade steel. The flanges are made of aluminium. Bearing blocks are included. Drums with clutches, engines and speed relays available upon request.

IMRO permanent magnetic drums can be arranged to material flow to lift out, overflow or cascade. Incorporating several magnetic drums into one housing is quick work.

Optional IMRO Magnetic Drum brush system for cleaning.



## Performance that pays off: For straight forward and state-of-the-art recycling processes

IMRO Permanent Magnetic drums are equipped with permanent magnetic blocks. The magnetic drums are equipped with Neodymium magnets to separate low magnetic materials. The field of application and the separation task determine the type of magnet system, whether it will be constant or alternating polarity. The stationary magnet system extends over a pole arc of around 180°.

### Criteria:

- ◆ **Material type and specific weight**
- ◆ **Material shape and material grain size**
- ◆ **Layer height of conveyed material**
- ◆ **Size and amount of existing iron parts**
- ◆ **Throughput volume**
- ◆ **Width of conveyor belt or vibrating chute**
- ◆ **Required separation efficiency**





## IMRO TEST CENTRE

### Over 25 Years' Experience in Recycling

Technology always fulfils demands. Would you like to know which valuable materials and impurities are contained in your material flow? Then bring it along and have it analysed in our IMRO Test Centre. Our 25 years' expertise and experience in the recycling industry guarantees we will optimise your recycling processes.

Equipped with cutting-edge technology, IMRO Test Centre staff makes sure you are taking the first step in achieving maximum economy and value recovery. Let us demonstrate the performance and the coordinated interaction between all of the IMRO separator machinery.

Your advantage: Fast results and efficient plants and equipment, plus added value and immediate profitability in all recycling processes.

**IMRO increases your recycling output - IMRO the Interface Specialist**



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RecycleCraft® by IMRO

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