

## EddyCan<sup>®</sup> sorter

An effective & efficient way to separate aluminium



**NEW**

# Goudsmit eccentric EddyCan® sorter

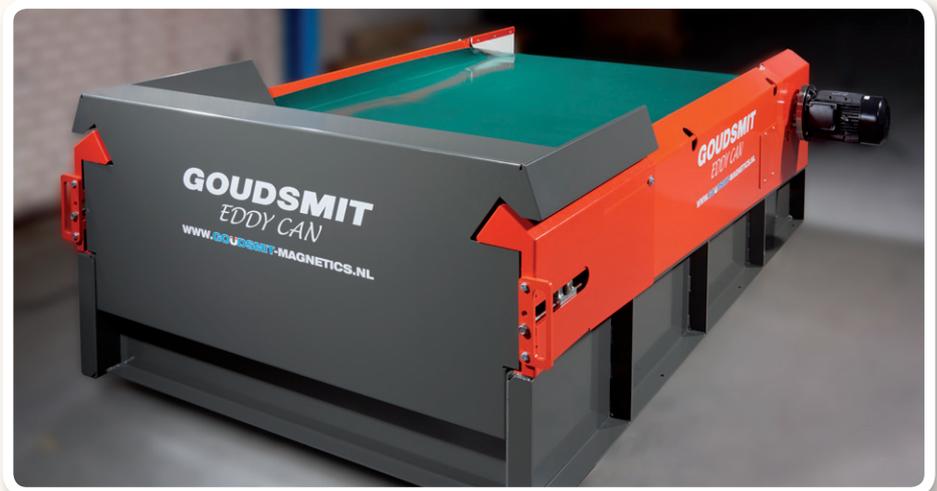
**GOUDSMIT**  
MAGNETIC SYSTEMS

The EddyCan® sorter is a new way to separate aluminium from recycling flows – cost-effectively and with a high separation yield. Over the past few years rising raw material prices and limited sources have made aluminium recycling very profitable. At Goudsmit Magnetics – the top specialist in metal separation since 1959 – we are happy to play our part through introduction of the recently developed EddyCan® sorter.

The sorter is intended for processes involving aluminium recovery from municipal solid waste (MSW) and wood fractions from low bulk density substances (generally under 300 kg/m<sup>3</sup>) and is used by general system integrators, material recovery facility (MRF) installation builders, etc.

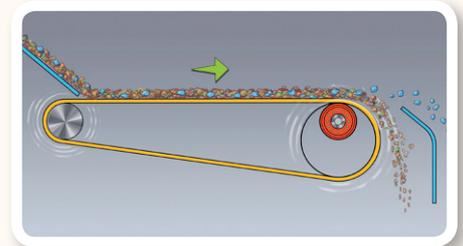
## Design

The EddyCan® sorter is compact and easily integrated into processing installations, whether pre-existing or in the process of being built. The machine is designed around a very powerful Neodymium 12-pole eccentric magnetic rotor with an extra deep field for a strong grip on larger aluminium metal particles. The deep magnetic field gives this unit a high processing capacity. The magnetic rotor turns at a maximum of 2000 rpm and is externally driven by a motor, directly via the shaft. The machine is fitted standard with a 4 mm thick PVC belt, driven by an integrated Van der Graaf drum motor. The standard EddyCan® sorter also includes a product guidance stretcher and simple control box. A vibratory chute and separation bin are available separately. The belt can be easily replaced by dividing the machine in half and supporting the belt on a handy, extendible profile. This reduces the downtime and provides very convenient access to the machine for any other service activities. Working width EC sorter: 1000 and 1500 mm.



## Eccentric magnetic rotor

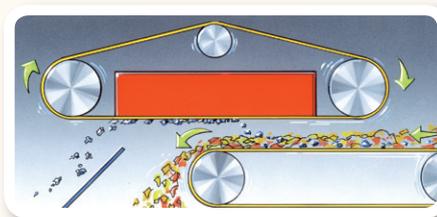
The design is based on an eccentric magnetic rotor mounted in the middle of the reversing drum. This influences the moment at which the metal particle is ejected and prevents the metal particles from sticking to the drum, which would otherwise cause unnecessary belt wear.



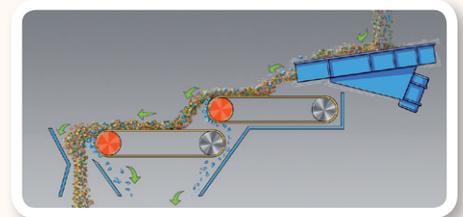
## Goudsmit Magnetics: the top expert in metal separation since 1959

Goudsmit Magnetics has been the top expert in metal separation since 1959.

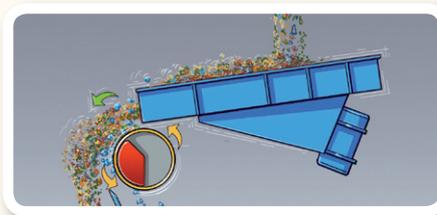
The EddyCan® sorter is the latest addition to the range of Eddy Current non-ferro metal separators. In addition to the EddyCan® sorter Goudsmit also makes other metal separators, intended for the recovery of metals, including the following types:



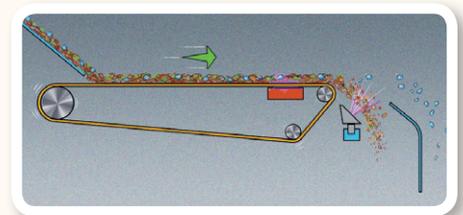
Permanent and electromagnetic overbelt magnets.



High Gradient separator.



Drum magnet.



I-Sens Sensor separator.



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