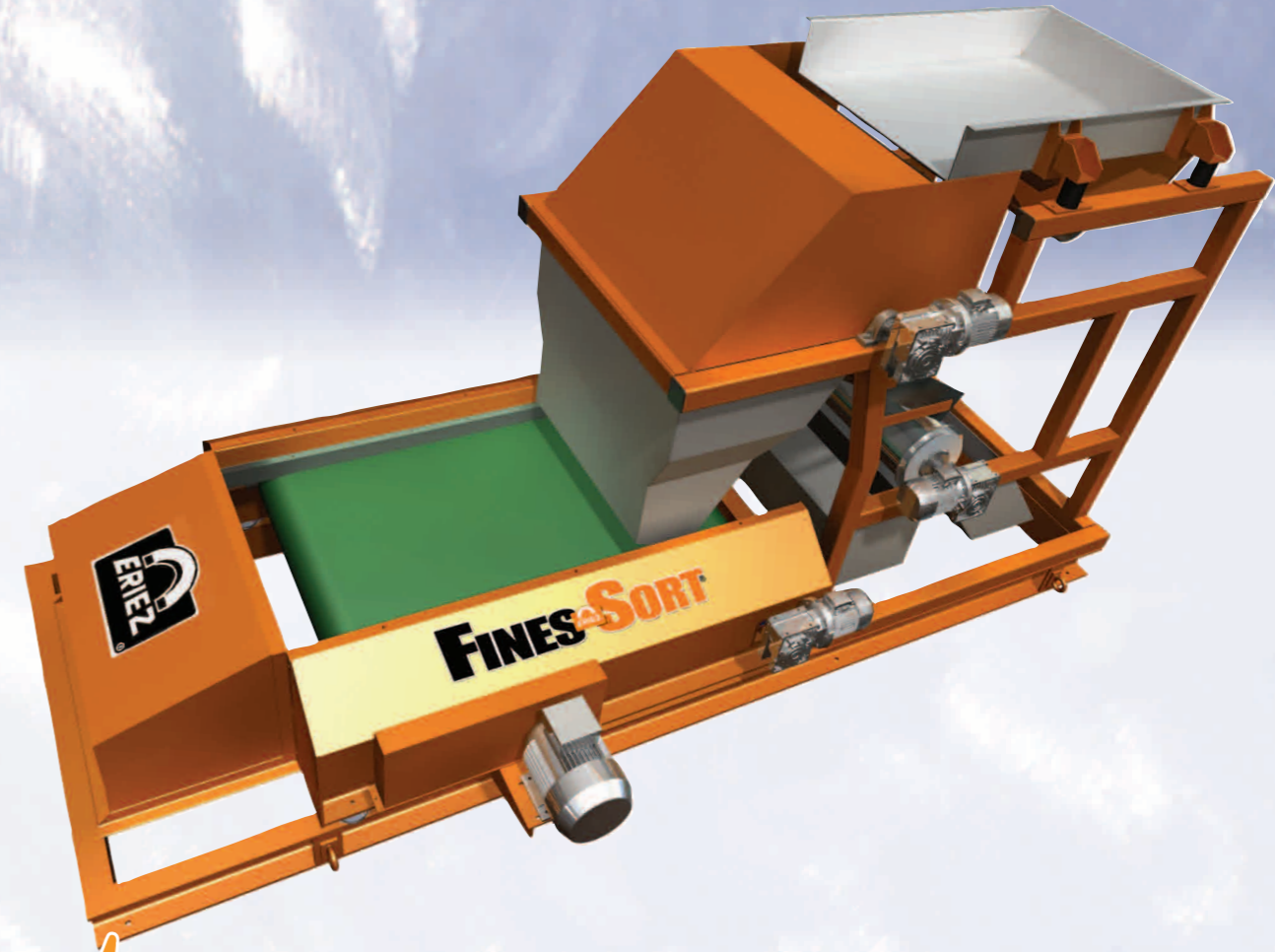
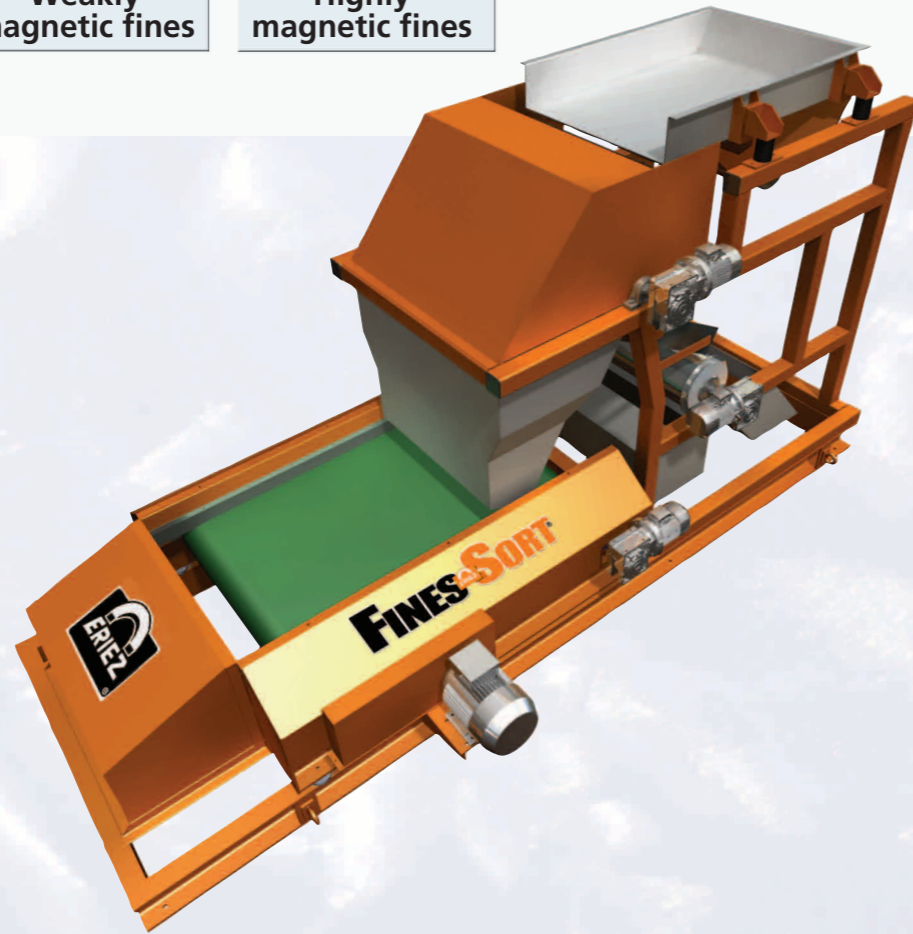


The value of Fines recovery

Typically, scrap yard operators have been concerned with reclaiming the larger sized non-ferrous metals. The smaller sized materials that have passed through the initial screening process are discarded and sent to landfill.

The smaller material referred to as 'fines' represents roughly 20% of the original total flow. Depending on the product mix approximately 5% of this is recyclable metals. The **FinesSort** reclaims these valuable metals.



new! FINES SORT®

Fines Metal Recovery System

Eriez new **FinesSort Metal Recovery System** is the ultimate in fine particle metal reclamation.

FinesSort's series of powerful magnetic components recover valuable ferrous and non-ferrous metals from the fines waste stream in scrap yards.

This system not only reduces the amount of waste destined for landfill, but reclaims valuable material.

Features

- Recover metals less than 25mm diameter.
- Throughputs from 2 tons per hour.
- Designed for ease of installation into new and existing recycling plants.
- 1000mm, 1200mm and 1500mm feed widths available.



Eriez Magnetics Europe Limited
European Manufacturing, Design and Test Laboratory Headquarters
Bedwas House Industrial Estate
Greenway, Bedwas
Caerphilly, CF83 8YG, UK

T: +44 (0)29 2086 8501
F: +44 (0)29 2085 1314
E: eriez@eriezeurope.co.uk
www.eriez.com

MANUFACTURING AFFILIATES IN:
AUSTRALIA BRAZIL CHINA INDIA JAPAN
MEXICO SOUTH AFRICA SPAIN USA



Stage 1

This first stage of the Eriez **FinesSort** is used to remove ferrous metals from shredder residue and split into two different fractions.

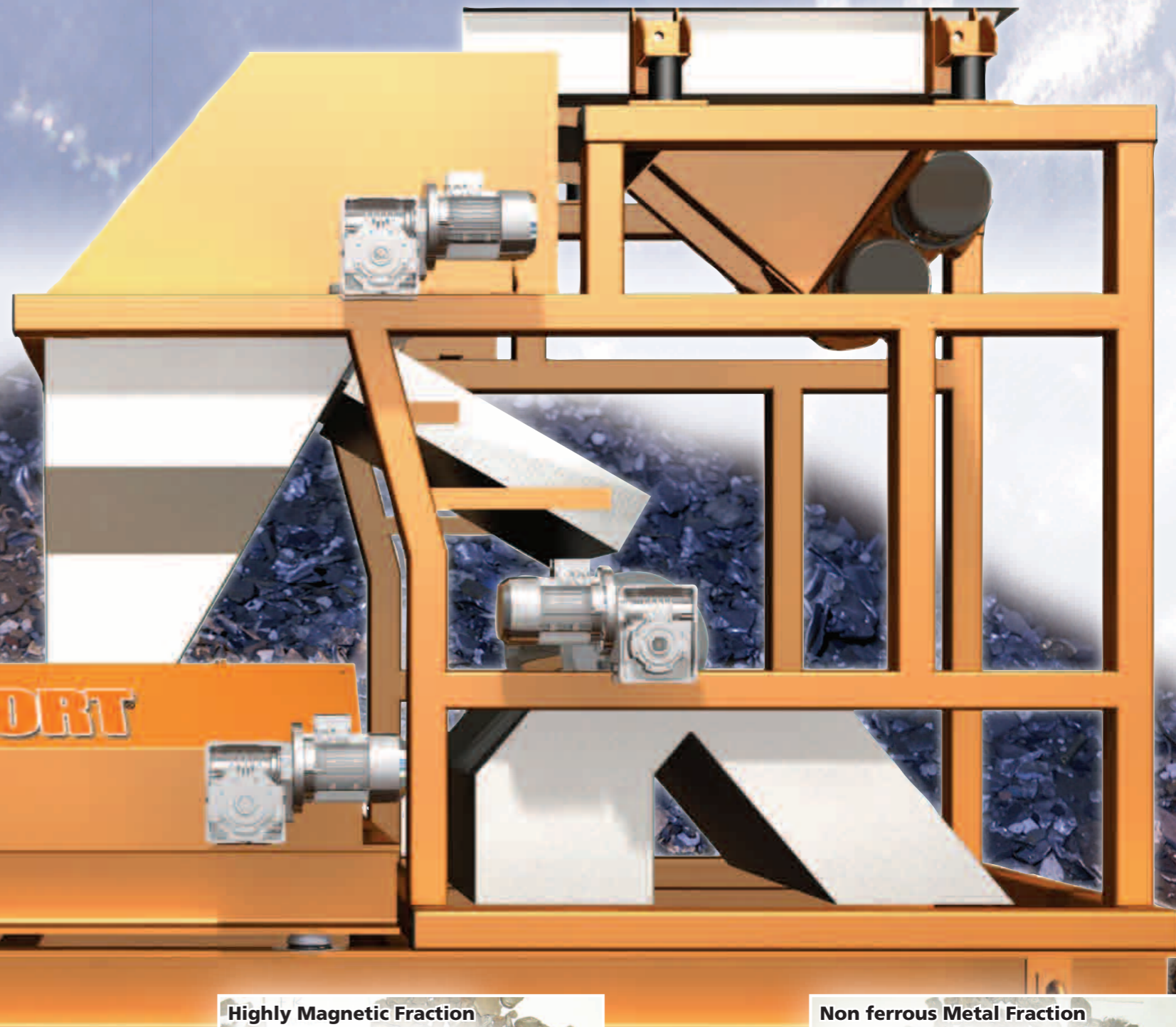
Material first passes over a Rare Earth Permanent Magnetic Drum (Stage 1a) to remove all ferrous metals from the shredder and then on to a Ferrite Permanent Magnetic Drum (Stage 1b) to separate the highly magnetic material from the weakly magnetic material.

Stage 2

The waste stream that is produced when separating the ferrous metals in Stage 1 can very often contain valuable non-ferrous metals which would end up going to landfill.

Using a combined Stage 1 **FinesSort** with a RevX ST or RevX-E ST Eriez Eddy Current Separator (Stage 2) will remove these metals bringing more value to the reclaimed metals.

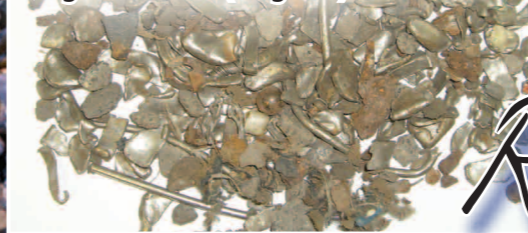
Eriez can supply each stage of the **FinesSort** separately or as a complete **FinesSort** unit.



From left to right:
Rare Earth Permanent Magnetic Drum in Stage 1 FinesSort
Eriez Eddy Current Separator removing non ferrous metals in Stage 2 FinesSort
Inset: A 1m wide complete FinesSort unit

Highly Magnetic Fraction

14.7% highly magnetic metals recovered by the Ferrite Permanent Magnetic Drum (Stage 1b).



Non ferrous Metal Fraction

9.7% Non-ferrous metals recovered by the Eddy Current Separator (Stage 2).



Weakly Magnetic Fraction

5.7% Weakly magnetic metals recovered by the Ferrite Permanent Magnetic Drum (Stage 1b).



Non metallic Waste Fraction

69.9% non-metal.



Recovered metals