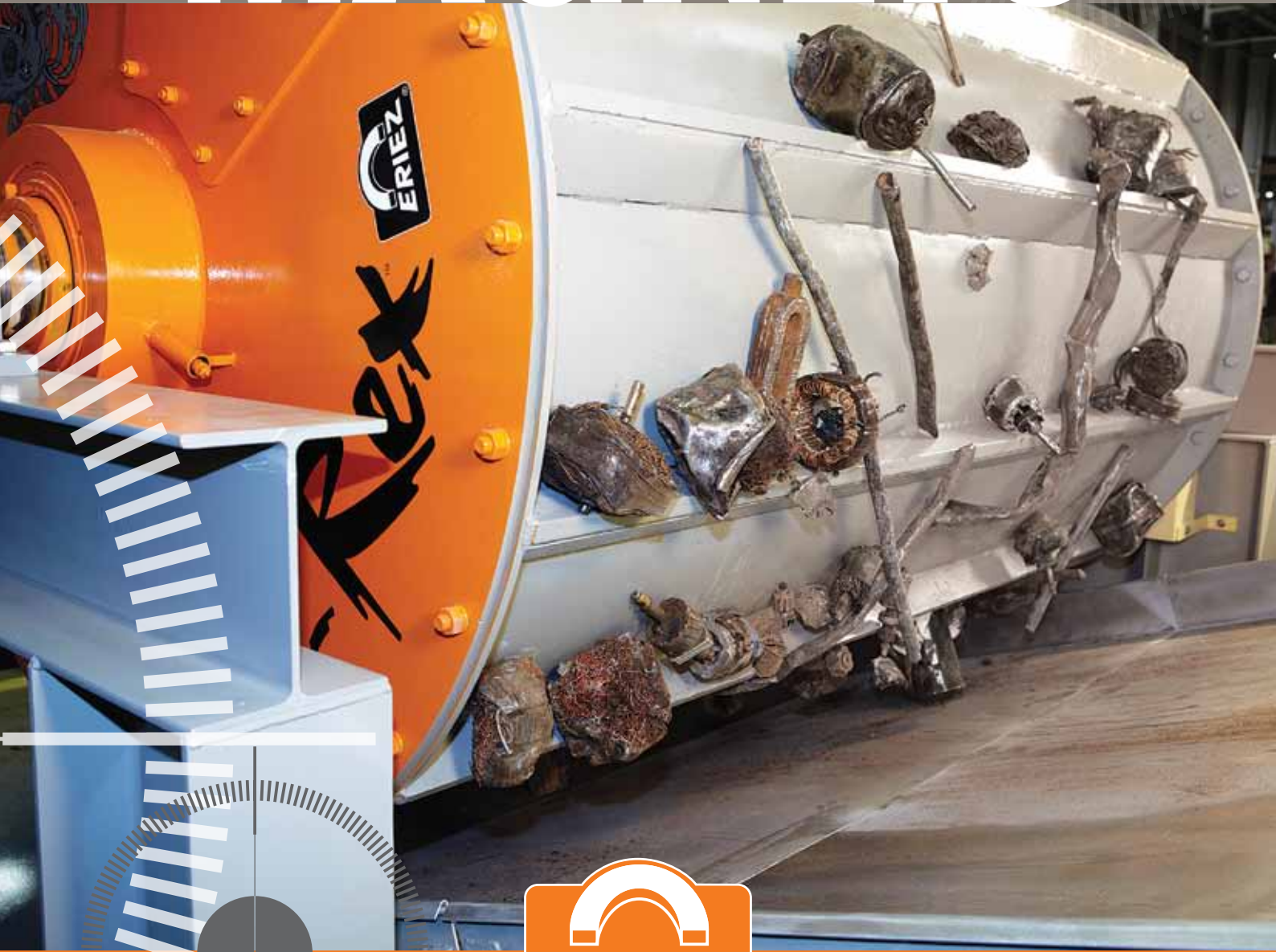


SCRAP DRUM SEPARATOR

MAGNETS



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RUGGED RELIABLE RECOVERY

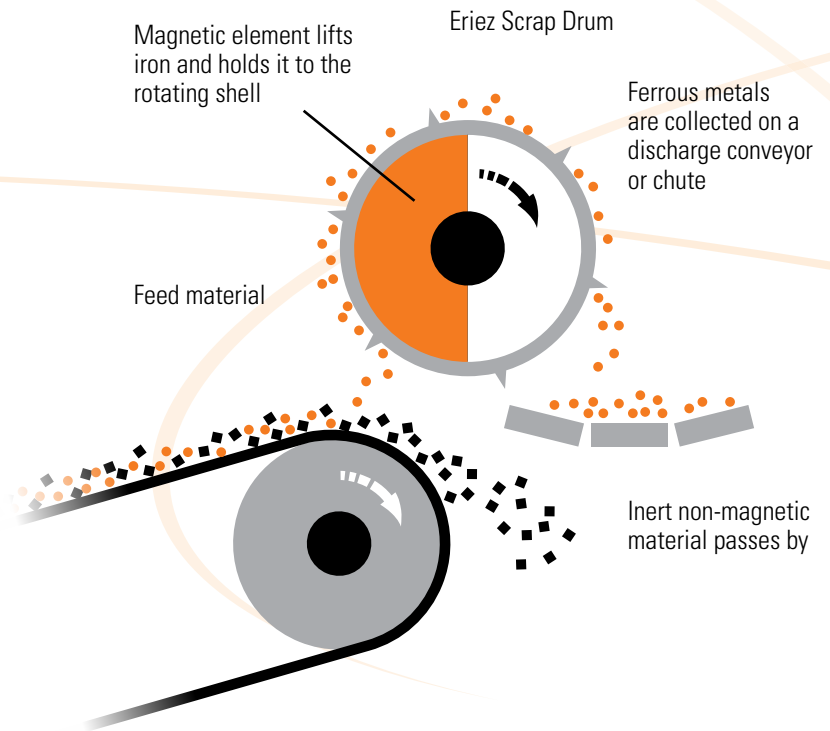
SCRAP DRUM SEPARATOR MAGNETS



Eriez' Magnetic Scrap Drums are used in a range of applications to recover/remove ferrous metals such as iron and steel from different waste types.



PRINCIPLE OF OPERATION



FEATURES

- Wide pick-up zones available
- Drums can be positioned above or underneath a feed conveyor
- Range of diameters and width sizes available to cover all applications:

Diameter 915 mm - 2000 mm

Width 1000 mm - 2400 mm

KEY POINTS

- **Objective of separation:**
 - Recovery of valuable metals for re-sale
 - Removal of metal to protect downstream equipment
 - Production of clean, inert materials
- **Feed material:**
 - Difficult materials require a bottom-fed drum to lift iron pieces cleanly from the feed stream
 - For low-iron content material, enhanced separation is achieved with a top-fed drum

SCRAP METAL, ASR, WEEE, INCINERATOR ASH, WASTE WOOD, AGGREGATES



ERIEZ' SCRAP DRUM RANGE

MODEL	MAGNET ELEMENT	KEY FEATURES
SRP - AGITATOR	Ferrite permanent Axial pole	<ul style="list-style-type: none"> • Low maintenance & running cost • Ideal for tramp iron recovery • Provides a high grade ferrous fraction • Wide pick-up zone • Low cost
EA	Electromagnetic coil	<ul style="list-style-type: none"> • ON/OFF magnet control • Deep reaching field • Easy installation
P-REX	Neodymium permanent Axial pole	<ul style="list-style-type: none"> • Super strong pick-up • Wide pick-up zone • Low maintenance & running cost • 40% stronger than equivalent electro • Provides an ultra-clean ferrous fraction • Can lift and recover copper armatures or "meatballs"

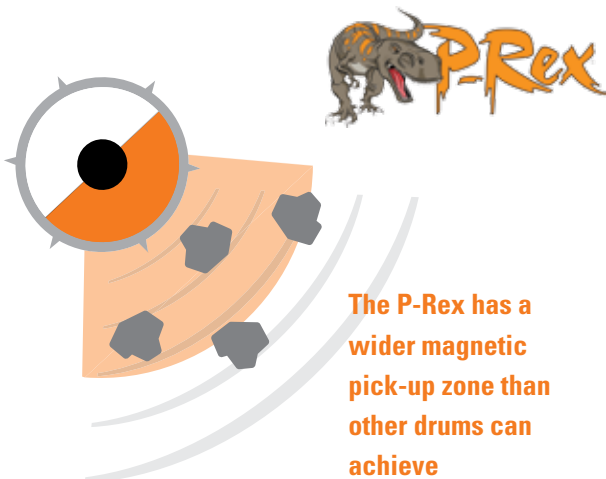
A MAGNET'S TOUGHEST CHALLENGE

Spheres are the most difficult objects to capture magnetically. Their large symmetrical surface makes it difficult for a magnet to act on a point of contact.

In scrap metal processing, these spheres come in the form of valuable copper windings encased in a steel shell, often referred to as "meatballs". Historically, these "meatballs" have been extremely difficult to recover.



Copper "meatball" from an electric motor



The P-Rex has a wider magnetic pick-up zone than other drums can achieve

INTRODUCING THE P-REX

Eriez' P-Rex Scrap Drum is purpose-built to magnetically lift and separate the valuable "meatballs" in scrap metal processing.

It benefits from an ultra-strong Neodymium magnet element from pick-up to carry-over. The P-Rex is the ideal solution for MAXIMUM metal recovery.

TRACTION PLATES

Eriez' traction plates are an additional feature available for Magnetic Scrap Drums. The traction plates stop material building up between flights on the drum surface and enhances the cleaning action.



ERIEZ' WORLDWIDE NETWORK OF MANUFACTURING, SALES & SERVICE



Manufacturing Affiliates in: Australia, Brazil, Canada, China, India, Japan, Mexico, South Africa, United Kingdom, USA



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