

PRO-SORT™

THE AIRLESS METAL RECOVERY SYSTEM

*Superior metal recovery at a fraction of the cost
to operate and maintain an air driven sorter*



ProSort™ from Eriez improves metal separation while operating at a fraction of the cost of air power metal sorters. Ideal for the scrap metals market, the patent-pending **ProSort** airless metal recovery system uses high sensitivity metal sensors aligned with low energy electromagnetically driven paddles to separate valuable metals from waste material.

ProSort system advantages:

- **NO AIR** compressor plant required
- Low operating and maintenance cost
- Reduced dust generation
- Several metal recovery modes including stainless steel
- Motorized paddles create a powerful "Kicking" action
- Modular design in units up to 128-inches wide
- Electromagnetic operation exceeds 60 million cycles
- Excellent cold weather operation



Powerful paddles launch metals into sorting stations



"Clean" metals recovered



Stainless steel segregated in dual mode operation

RECOVERY SYSTEM



Easy Access to Modular Components

The **ProSort** airless metal recovery system features a simple elegant, easy to operate design. The system's modular construction allows easy access to replaceable sensors and paddle drive units called "six packs." Each unit of six paddles and six sensors operate from independent power supplies for simple troubleshooting and diagnostics. Six packs are set in a series to create up to 128-inch recovery system.

ProSort components include:

- Six pack paddle modules
- Easy glide replaceable sensor modules
- Six-way adjustable head for accurate projection
- Slide rail access to drive modules



Six pack paddle module



Easy glide metal sensor modules



Convenient slide-rail access to drive modules



Six-way adjustable head for accurate projection



Low Cost of Operation

By replacing expensive air compressor plants, valves and airlines with energy efficient electromagnetic drives, the **ProSort** airless metal recovery system requires less than 25% of the electricity needed to operate an air powered sorter. The chart below provides the average annual electricity requirement for a 125HP compressor. Not only is the **ProSort** system less expensive to operate and maintain, it's actually less expensive to buy as well!

Advantage **ERIEZ**[™]

Features	ProSort Airless Metal Recovery	Air Driven Metal Sorters
Finds and sorts a variety of metals	✓	✓
Recovery modes include Stainless Steel	✓	✓
Modular "Six Pack" design	✓	
Air compressor operation		✓
Mechanical projection of metal scrap	✓	
Twin band inline secondary separation	✓	
Dust reduction	✓	
Power consumption		4 times higher
Worldwide sales and support	✓	
6-way adjustable paddle array	✓	

Average Yearly Electrical Cost to Operate a 125HP Air Compressor Plant



Based on 2000 hours per year

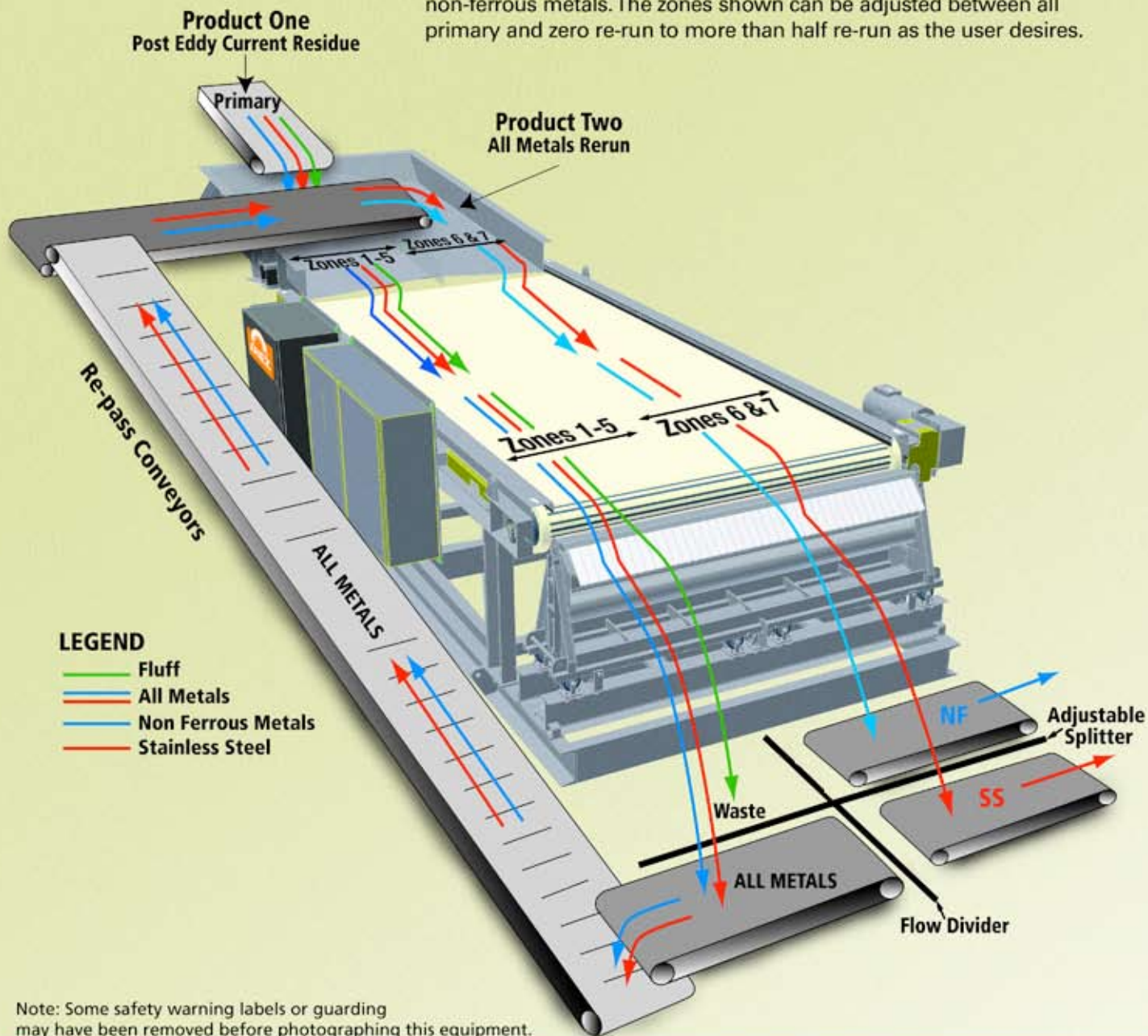
- \$.07 per kWh = \$9,350 per year
- \$.10 per kWh = \$13,350 per year
- \$.15 per kWh = \$20,025 per year
- \$.20 per kWh = \$26,700 per year
- \$.30 per kWh = \$40,050 per year

By Comparison ERIEZ Power Costs are Only 1/4!

DUAL MODE SEGREGATION

ProSort's unique modular design and alignment of sensors, paddles and controls allows the components to operate in different modes during a single cycle. Dual mode segregates waste material, ferrous metals, non-ferrous and stainless steel in a single operation.

This illustration below shows half of the belt recovering metals from waste, while the other side is sorting stainless steel from non-ferrous metals. The zones shown can be adjusted between all primary and zero re-run to more than half re-run as the user desires.



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