



New!

PRO SORT II

Airless Metal Recovery System

Eriez ProSort II™ systems improve metal separation while operating at a fraction of the cost of air power metal sorters.

Ideal for the scrap metals market, the new ProSort II™ airless metal recovery system uses high resolution metal sensors aligned with a new inverted paddle mechanism to improve recovery of valuable metals from waste material.

Features

- NO AIR compressor plant required
- Low operating and maintenance cost
- Reduced dust generation
- Several metal recovery modes including stainless steel
- Modular design in units up to 3250mm wide
- Sensor activated paddles deflect detected metals
- Excellent cold weather operation

ProSort II™ improvements

- Double the sensors on 25mm centres
- New high resolution sensors
- Inverted paddles improve separation
- Better recovery of heavy and light waste



Easy Access to Modular Components

The **ProSort II™** 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 3250mm recovery system.

ProSort II™ components include:

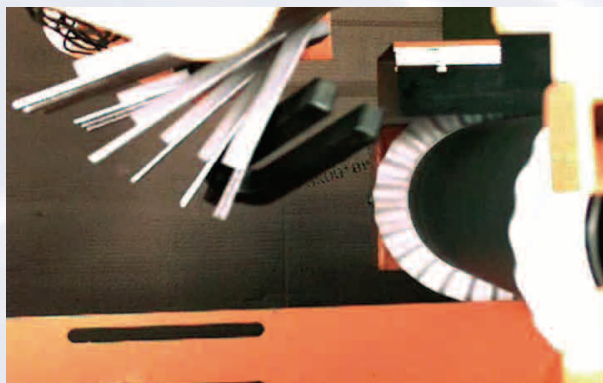
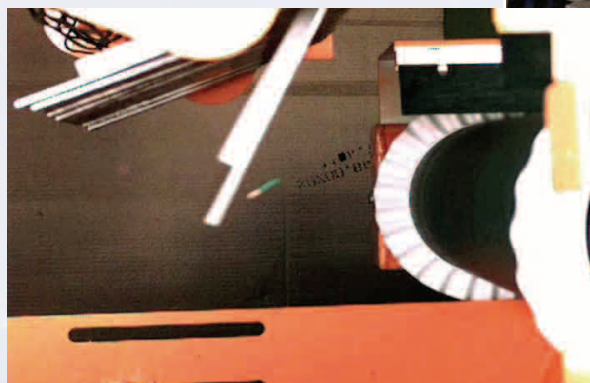
- Six pack paddle modules
- Easy glide replaceable sensor modules
- Multi-position adjustable head for accurate deflection
- Control screen for simple adjustments.



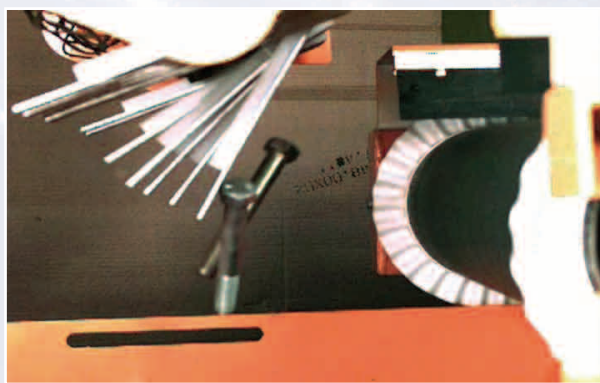
Above: ProSort improves detectability with double the number of sensors

Right: Cleaner metals... better recovery

Below: Improved sensors detect even individual wires



Powerful inverted paddles deflect heavy (5kg) metal objects into sorting stations



Better recovery of large ferrous metallics



Inverted paddle arrangement

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

Based on 2000 hours per year

- 7p per kWh = £9,350 per year
- 10p per kWh = £13,350 per year
- 15p per kWh = £20,025 per year
- 20p per kWh = £26,700 per year
- 30p per kWh = £40,050 per year

By comparison ERIEZ power costs are only 25%!

Low Cost of Operation

By replacing expensive air compressor plants, valves and airlines with energy efficient electro-magnetic drives, the **ProSort II™** airless metal recovery system requires less than 25% of the electricity needed to operate an air powered sorter.

The chart left shows the average annual electricity requirement for a 125HP compressor. Not only is the **ProSort II™** system less expensive to operate and maintain, it's actually less expensive to buy as well!



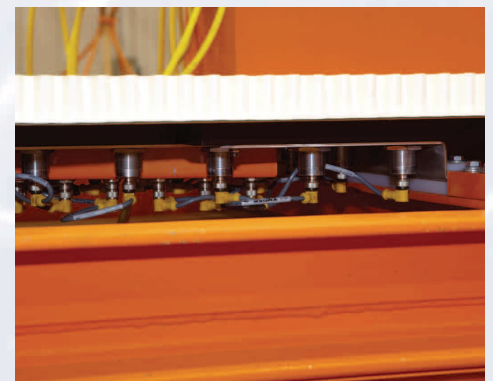
Convenient single rail access to paddle modules



Sensor activated paddles



New upgraded software



Easy glide metal sensor modules

Air versus Airless

Air sorters are expensive to buy, operate and maintain. Eriez' Airless sorters improve separation and require NO air!

That means:

- NO expensive compressors
- NO valves stuck open
- NO nozzles blocked or clogged
- NO dryers
- NO filters
- NO drain valves
- **NO more downtime!**

Advantage ERIEZ™	ProSort II™ 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
6-way adjustable paddle array	✓	



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