

PROSORT II

AIRLESS METAL RECOVERY

*Improved ferrous recovery and requires
75% less Energy than Air Driven Sorters*



**Better
Recovery of
Heavies and Lights**



ProSort II

THE AIRLESS METAL R

Eriez' **ProSort** systems improve metal recovery from waste streams while operating at a fraction of the cost of air power metal sorters.

Ideal for scrap processors, the new airless **ProSort II** doubles the number of metal sensors found on the original **ProSort** machine and positions them on one-inch centers. These high resolution sensors are aligned with a new inverted paddle mechanism to improve recovery of valuable metals. This new arrangement improves large and small metallic recovery while producing a "cleaner" fraction.

ProSort advantages:

- **NO AIR** compressor plant required
- Low operating and maintenance cost
- Sensor activated paddles deflect detected metals
- Modular design up to 90" wide
- Reduced dust generation
- Excellent cold weather operation

ProSort II improvements:

- Double the sensors on one-inch centers
- New high resolution sensors
- Inverted paddles improve separation
- Better recovery of heavies (meatballs) and lights (wire harnesses)

The Err of Air Sorters

Air sorters are expensive to buy, operate and maintain... and they're a chronic problem to keep running. 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 DOWN TIME!



ProSort II improves detectability with double the number of sensors



Cleaner metals... better recovery

Better recovery large ferrous metallics



Powerful inverted paddles deflect heavy (8 lbs) metal objects into sorting stations

Improved sensors detect even individual wires

RECOVERY SYSTEM

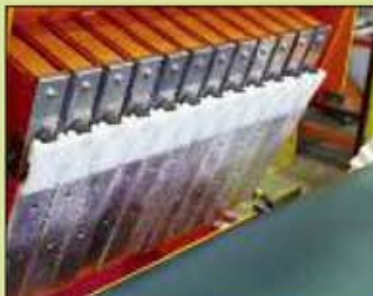


Easy Access to Modular Components

The **ProSortII** airless metal recovery system is simple and easy to operate. The system's modular construction allows easy access to replaceable sensors and paddles. Each unit of six paddles and twelve sensors operate from independent power supplies for simple troubleshooting and diagnostics. Six packs are hung in a series to create widths up to 90-inches.

ProSortII components include:

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



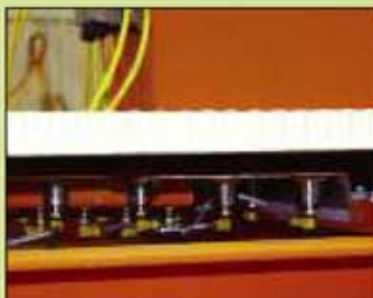
Inverted paddle arrangement



Sensor activated paddles



Convenient slide-rail access to the inverted paddle modules



Easy glide metal sensor modules



Complete software and controls



Easy sensor adjustments

Low Cost of Operation

By replacing expensive air compressor plants, valves and airlines with energy efficient electromagnetic drives, airless **ProSortII** 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 are the **ProSort** systems 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!

ProSort II



Ed Silipena **American Iron & Metal International** **Millville, NJ**

American Iron & Metal International installed complete ferrous and nonferrous processing systems from Eriez for their new Millville, NJ scrap yard. The nonferrous equipment included Eddy Current Separators, a FinesSort® Jr and a ProSortII Airless Recovery System. When asked about the performance the ProSortII, Ed Silipena replied, "Eriez' ProSort II gives us a better grade of stainless with very little loss of metals to the fluff."

Note: Some safety warning labels or guarding may have been removed before photographing this equipment.

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