

# MAGNETIC HEAD PULLEY SEPARATOR



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RUGGED RELIABLE RECOVERY

# MAGNETIC HEAD PULLEY SEPARATOR



Eriez Magnetic Head Pulleys are an ideal compact solution for the magnetic treatment of conveyed materials.

Powerful magnets are used to automatically separate tramp iron and fine iron contaminants.

These separators can be retro-fitted into existing conveyors or built in during conveyor design.

## FEATURES

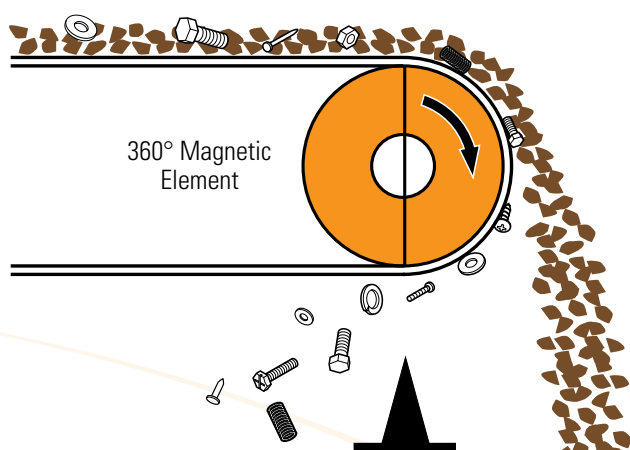
- Simple to install
- Powerful uniform magnetic field across full belt width
- Robust fully-welded design with stainless steel shell
- Both Ferrite and Rare Earth element designs available
- Range of sizes available:
  - 200-1200mm diameters
  - 500-2000mm widths (other sizes also available on request)
- Options for rubber lagging and crowning
- Suitable for variable belt speeds

## APPLICATIONS

- Aggregate
- Coal mining
- Dry material handling
- Foundry sand
- Glass production & recycling
- Mineral processing
- Waste processing

## PRINCIPLE OF OPERATION

Powerful magnets inside the pulley attract and hold ferrous metals to the conveyor belt



Ferrous metals are discharged conveniently underneath the end of the conveyor

Non-magnetic material continues downstream

## CUSTOM MANUFACTURING

All magnetic pulleys are designed to suit individual conveyor requirements. Complete manufacturing takes place at Eriez' European Headquarters.



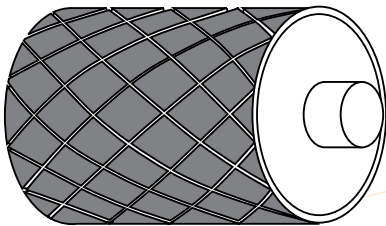
# ERIEZ MODELS



## ERIEZ MAGNETIC HEAD PULLEY RANGE

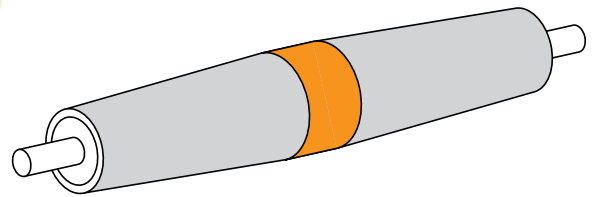
MODEL	MAGNET ELEMENT	KEY FEATURES
<b>FA</b>	Ferrite Permanent Axial Pole	<ul style="list-style-type: none"> <li>• Ferrite magnet assembly offers deep magnetic field</li> <li>• Axial pole offers high grade ferrous recovery</li> <li>• Ideal for tramp iron removal</li> </ul>
<b>RAB</b>	Neodymium Permanent Axial Pole	<ul style="list-style-type: none"> <li>• High-strength</li> <li>• Rare earth magnet assembly for high gradient magnetic field</li> <li>• Designed for removing weakly magnetic and smaller parts</li> <li>• Suitable for rubber lagging</li> </ul>
<b>RAS</b>	Neodymium Permanent Axial Pole Maximum Gradient	<ul style="list-style-type: none"> <li>• Maximum iron removal</li> <li>• Rare Earth magnet assembly for high gradient magnetic field</li> <li>• Ultra-high strength</li> <li>• Ideal for maximum removal of fine ferrous from low material burden</li> </ul>

## ADDITIONAL FEATURES



### LAGGING

Optional 8mm thick diamond pattern rubber lagging available to assist with belt tracking.



### CROWNING

Optional crowning at either end of the magnetic head pulley available to assist with belt tracking.

## OPERATION

For maximum ferrous metal recovery, magnetic head pulleys are ideally installed in conjunction with a suspended magnet. This enables maximum recovery of tramp iron throughout the product burden.



# 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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