



# RESOURCE GUIDE FOR THE COAL PROCESSING INDUSTRY

## EQUIPMENT OVERVIEW

Eriez' wide array of products was developed to assist in the processing of coal. No other source designs, manufactures and locally supports such a variety of equipment to convey, clean and analyze coal. Eriez is truly a one-stop resource. More information is yours for the asking. Contact us today.



## MECHANICAL FEEDERS, CONVEYORS & SCREENERS

Heavy-duty, high-capacity feeders for the controlled movement of coal. The Eriez Model HVF mechanical feeders are simple, rugged, vibrating units that move high volumes of bulk coal reliably and economically. The compact, straight-line design results in a low-profile feeder requiring minimum headroom.

## WET DRUM MAGNETIC SEPARATORS

The Eriez Self-Leveling wet drum magnetic separator is unequaled in operation and performance. The "plant-proven" design provides the highest magnetite recovery in the industry. The separator has been designed to handle fluctuations in slurry flow and magnetite content coupled with simple straightforward control and operation.



## COALPRO™ COLUMN FLOTATION CELLS

State of the art column flotation design using Slam-Jet® spargers. Increase plant yield with the recovery of fine coal. High-capacity columns with low operating and maintenance costs.

## CROSSFLOW® TEETER BED SEPARATORS

High capacity density separator operating on the teeter-bed principle. Tangential (cross flow) feed design provides high-capacity operation with effective density separation. Upgrades run-of-mine coal producing a high-ash refuse product. Easy, on-line cut-point control.



## SUSPENDED ELECTROMAGNETS

Eriez Model 7000 Series of suspended electromagnets remove tramp metal from conveyor lines. Designed for effective tramp metal removal and sized for any belt width. Manual cleaning and self-cleaning models available. Built to last and now with a five year coil warranty — longest in the industry! Ten day delivery on select models.

**CALL 800-345-4946 TODAY FOR MORE INFORMATION**



## **BIN VIBRATORS**

Totally enclosed, electromagnetic Bin Vibrators provide “pinpoint” vibration, maintain free flow from small hoppers up to large bunkers with reinforced heavy steel plate and liners. A wide variety of sizes, AC operation, low power consumption and simple controls make Eriez’ Bin Vibrators the ideal choice.

## **METAL DETECTORS**

Eriez offers a variety of Metal Detectors, each designed for easy installation on existing conveyor systems — without cutting the belt! They are sensitive to ferrous and nonferrous metals and are built for rugged outdoor use.



## **HEAVY DUTY VIBRATORY FEEDERS, CONVEYORS & SCREENERS**

Eriez’ Hi-Vi electromagnetic design allows AC operation for up to 68% less power consumption than competitive units. A 20% higher feed rate, encapsulated coils, heavy duty construction and a three year warranty make Eriez Heavy Duty feeders the smart choice.

## **ERIEZ ENGINEERING SERVICES**

Eriez provides Engineering Services to cover a wide range of functions, assistance and support. Engineering features related to specific equipment and coal processing are as follows:

- Equipment modifications incorporating specific features and options. The equipment may incorporate various options and features applicable to the installation and process.
- Equipment layout and dimensional drawings. Modifications are common to fit an existing plant or provide specific operating characteristics.
- Equipment selection, sizing, material flows and balances. Eriez has a database for accurate sizing and performance.
- In-plant audit to determine production flow rates, material handling aspects, equipment selection and sizing, and predict performance.

Want additional information? Contact us today to receive printed brochures or to get in touch with your local Eriez Representative.

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

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