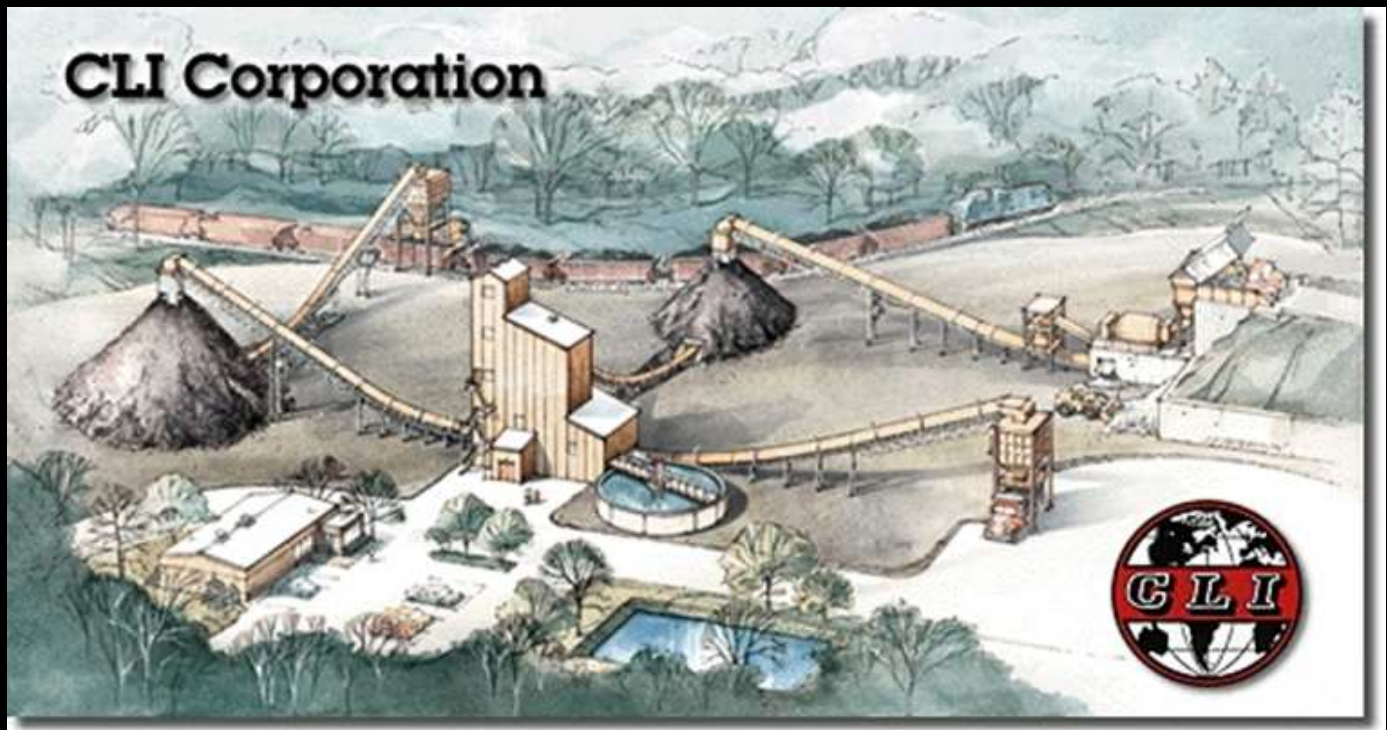


CLI USA, Inc.



CLI USA, Inc. 6108 Brownsville, Road Ext, Suite 201, Finleyville, PA 15332

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CLIMAX_x MAGNETIC SEPARATOR

The CLIMAX_x high efficiency wet drum magnetic separators are designed for use in heavy media circuits for the recovery of magnetite or ferrosilicon. The separators handle high concentrations of both magnetic and non-magnetic material in the feed and the recovered magnetite or ferrosilicon that is discharged from the separator at higher than normal densities.

The CLIMAX_x magnetic separators consist of agitation type (alternating pole), wide angle (6 pole) magnetic element mounted on a stationary shaft and enclosed in a rotating stainless shell, or drum, secured to the drum heads. The shell and drum heads rotate on bearings around the fixed shaft and magnetic elements.

The drum and magnet assembly is mounted on a tank (U.S. Patent No. 4921597) designed to take advantage of the wide-angle magnet assembly. The design allows for the control of both submergence level and magnetic concentrates discharge. The drum, tank, and drive assembly are supported by a rugged steel frame.

New improvements in magnetic materials and technology have been applied to the CLIMAX_x heavy medium wet drum magnetic separators. An improved tank design, coupled with the use of a 6 pole wide-angle magnetic element, results in an improved magnetic separator efficiency, especially in the recovery of the fine-sized magnetic particles.

The CLIMAX_x magnetic separators are ruggedly built and designed for long-term and hard service. It is recommended to follow the CLIMAX_x magnetic separator's procedures ensuring its efficient and dependable performance. The CLIMAX_x magnetic separator will give the coal operator years of trouble free performance at a very competitive price.

Be sure your separator is an original CLIMAX_x brand and not an imitation. There is only one authorized CLIMAX_x wet drum. Call our sales office for more details and make sure to visit our website at www.clicorp.com



Technical Data

Drum Diameters: 30" 36"

Drum Width: 4-10' 4-10'

- 750 Gauss Interpole Magnetic element
- Extended Arc, 6 Main Poles and 5 Interpoles
- All Stainless Steel Construction
- Greaseable Bearings
- 16 Gauge Wear Wrap

Operating Parameters:

- Percent Solids in Feed: 10-20%
- Feed Slurry Volume: 120-140 gpm/ft drum width
- Magnetic Load(max): 2.6 lb/gal
- Percent Nonmagnetics in Feed Solids: 10-60%
- Specific Gravity of Concentrates: 2.2-2.6 SG

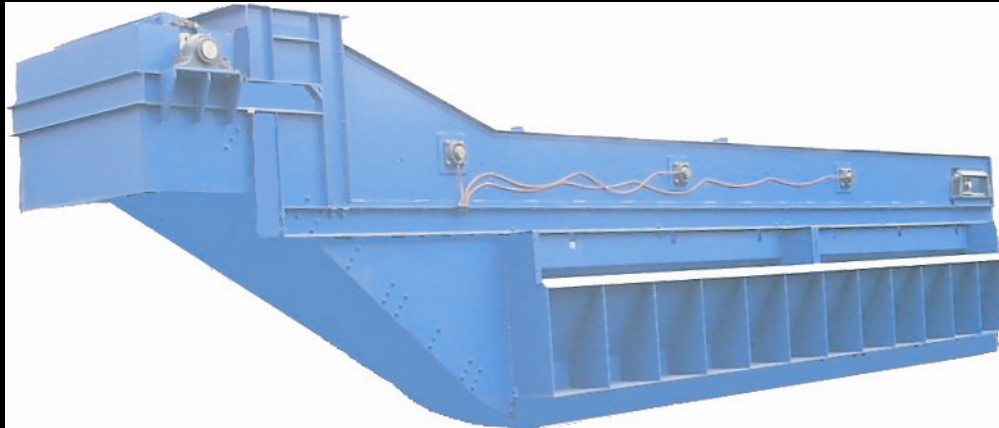
Performance:

- Typical Magnetic Loss in Tailings is < 1 gm/gal of tailings

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DANIELS DMS COAL WASHER



Coal preparation experts agree that the most efficient commercially available method of separating coarse coal from associated impurities involves the use of a dense medium bath. In a dense medium bath, raw coal is continuously introduced to a separating medium pre-determined specific gravity. Particles with a specific gravity higher than that of the medium sink to the bottom of the vessel and are removed as refuse. Low density particles (clean coal) float in the medium and are discharged from the vessel as clean coal. Although there are several materials that can be used to create the separating medium, by far, the most widely used material is a suspension of finely ground magnetite (iron oxide) in water.

The Daniels Company has long specialized in the science of the dense medium bath and is the recognized leader in the field of coal washing. More than 300 Daniels DMS Coal Washers are in operation throughout the world producing millions of tons of coarse clean coal each year. No other dense medium process can match the DMS Washer for separating efficiency and low-cost performance.

Following a thorough evaluation of coarse coal cleaning technology, Daniels DMS Washers were selected for installation in the world's largest preparation plant designed to process 3,000 TPH (tons per hour) of raw coal from the An Tai Bao surface mine in China. Four (4) primary and four (4) secondary vessels process the majority of the raw coal. This order is believed to be the largest single order ever placed for coarse coal cleaning equipment.

Exclusive Sales Representative for
China

Also representing Turkey and the
Black Sea Region



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CONTRACT OPERATIONS

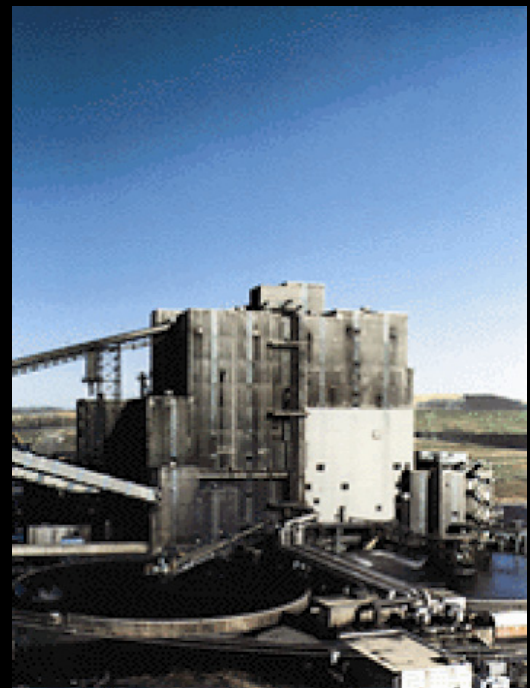


CLI has been a world leader in contract operations of coal preparation and handling facilities for over 20 years. CLI operated plants for major coal companies and utilities in the United States and abroad.

These operations assume total responsibility of the coal preparation plant from receiving raw coal to chipping clean coal in accordance with client specifications.

Some of these responsibilities include:

- Management/Operations
- Maintenance
- Quality Control
- Cost Control
- Labor Relations
- Environmental Compliance
- Safety and Training
- Procurement
- Capital Planning and Improvements



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THE CLI USA COMMITMENT

CLI USA is committed to customer satisfaction. The coal and energy sector is a demanding industry. Our customers expect quality performance and our goal is meeting that expectation each and every time. We promise to approach each project with innovative solutions, quality equipment and competent employee dedication. We want to be your “Go-To” solution for all of your coal processing, equipment, and contract operation needs. Let us show you this commitment at work.



COMMITMENT

DEDICATION



TEAMWORK

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