



# CENTRIFUGE REPAIR AND REMANUFACTURING







# NATURAL RESOURCES INDUSTRY: COAL



**COAL FINES  
DEWATERING SCREEN  
BOWL CENTRIFUGE REPAIR**



## HISTORY AND EXPERIENCE

Elgin has vast experience in the service and refurbishment of the industry's most popular centrifuges. Elgin provides a one-stop-shop for the service and maintenance of your entire centrifuge fleet, regardless of original equipment manufacturer.





## NATURAL RESOURCES INDUSTRIES

Solid/liquid separation and dewatering technologies within coal industry experiences heavy wear. Elgin's OEM capabilities can help customers rebuild their assets with enhanced elements to mitigate the effects of wear and fatigue.





## NATURAL RESOURCES INDUSTRY: NATURAL GAS & OIL

### NATURAL RESOURCES INDUSTRIES

Liquid/Solid and dewatering equipment in the natural resources industry experiences heavy loads and repetitive cycles. Wear and metal fatigue are eminent. Elgin's repair and remanufacturing team can rebuild the most popular centrifuges, shakers, and dryers to OEM specifications.

### OEM SOLUTIONS FROM ELGIN

Elgin Separation Solutions complete line of liquid / solid separation and dewatering equipment is fully compliant with all requirements for the oil & gas industry. Utilizing our closed loop technology project sites will be able to reclaim clean water and recovered drilling fluid that is cost effective and environmentally safe.



Elgin's line of Hyper-G shakers are designed to handle abuse, regardless of the climate or application.





Elgin's patent-pending CSI-D4 direct-drive vertical cuttings dryer provides for the first universal waste management system that can handle both water-based and oil-based cuttings.



Elgin can provide a host of centrifuges with diameters ranging from 9" to 25" and lengths ranging from 36" to 80".







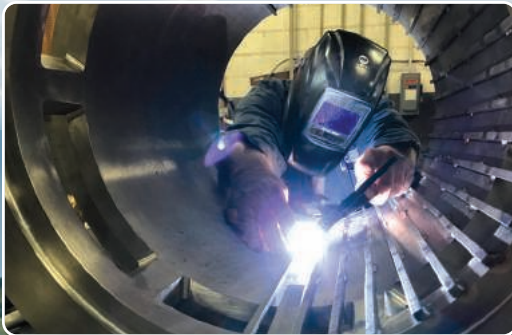
## RECYCLING INDUSTRY: RENDERING

### RENDERING INDUSTRY

Elgin has decades of experience providing centrifuge repair and new machines for rendering facilities. Limiting downtime is critical and is a priority of the Elgin team.



< Onsite Repair



< Manufacturing to Elgin OEM Specifications

### OEM SOLUTIONS FROM ELGIN

Elgin offers a full line of decanter centrifuges capable of processing small to high volumes of bi-product material. Elgin's systems are high performing centrifuges able to maintain optimum G-force and flow rate (gpm).







Elgin manufactures a complete line of both Bird™ style and Sharples™ style decanter centrifuges specially designed to meet the harsh conditions of the rendering market.



### BALANCING

Elgin has one of the largest balancing machines in the industry and is capable of balancing equipment with diameters up to 96" and lengths up to 240".





## INDUSTRIAL PROCESS INDUSTRY: **SPECIALTY CHEMICALS AND ETHANOL**



Elgin manufactures a variety of high-speed decanter centrifuges designed for harsh chemical environments.







Elgin specializes in servicing complex specialty chemical and waste management equipment, including YU Filters and Rotary Drum Filters.





## INDUSTRIAL PROCESS INDUSTRY: AGGREGATES AND MINERALS



Elgin services and manufactures a complete line of horizontal screen scroll separators for a variety of aggregate and coal applications.



Horizontal Screen



Reverse Incline Screen



Incline Screen



Multi-Slope Screen





### SWAP AND GO SERVICE

Elgin now has the ability to provide aftermarket refurbished centrifuges that can be quickly swapped out with centrifuges requiring service.

### INSPECTION REPORTS

Elgin offers comprehensive inspection reports prior to the start of each refurbishment project. Simply send your failed centrifuge to Elgin and a report of the repair expenses will be provided detailing what is required to bring it back to fully operational specifications as well as upgrade options.

### OEM STANDARDS

Elgin has collected decades of experiencing designing, manufacturing, servicing and refurbishing decanter centrifuges and vertical cuttings dryers. As an original equipment manufacturer (OEM), Elgin has a unique understanding of the design basis and the key operating principles of the equipment it services. By deploying OEM quality control techniques and documented acceptance criteria a higher standard and level of confidence can be expected from a centrifuge or vertical cuttings dryer that has been serviced by Elgin. Combined with our service-driven perspective and reliability as a timely service provider, your capital equipment fleet could not be entrusted to better hands.

### REPAIR AND NEW MANUFACTURE SOLUTIONS

Elgin has strategically located high-quality, full-service, product support centers in **HOUSTON, TEXAS**; **RALEIGH, ILLINOIS**; and **ST. ALBANS, WEST VIRGINIA**. In addition to our U.S. based facilities, we also have service facilities in **BARODA, INDIA** and **DUBAI, UNITED ARAB EMIRATES**. Each of these service centers have been set up to provide full repair, refurbishment and remanufacturing services for entire solids control and waste management fleets.







## SERVICE: TRUCKING



### ELGIN TRANSPORT TECHNICIAN'S

Elgin's equipment specialists have the expertise and experience to safely provide on-site installation and commissioning services.



### TRUCKING FLEET

Elgin's fleet of trucks can mobilize quickly to remove the customer's centrifuge and/or return a replacement unit. Elgin's transporting technicians have years of experience loading, securing, and transporting centrifuges over long distances with speed and efficiency. Most scenarios include an Elgin transport vehicle being activated in as little as 4 hours upon request.



### ELGIN TRANSPORT TECHNICIANS

Elgin's Transportation Services cover most of the Central and Eastern United States.





**1. Elgin builds customer's same units & keeps them maintained and ready.**



**2. Customer's unit fails.**



**3. Elgin exchanges customer's failed unit with new unit.**



**4. Customer's failed unit is refurbished based upon contract specs.**



**5. Detailed refurb reports are provided to the customer.**



**6. Customer's rebuilt unit waits ready for next exchange need.**

### **CENTRIFUGE EXCHANGE PROGRAM**

The Elgin Centrifuge Exchange Program limits company downtime while reducing overhead costs of maintaining and transporting back up units between facilities. Utilizing Elgin's centrifuge inventory and expertise in rebuilding, repairing, and replacing centrifuge units, companies can rely on Elgin to exchange units with little down time.



### **FOR MORE INFORMATION**

To find out more information about the Elgin Centrifuge Exchange Program, call:

**304.755.0292**  
**281.261.5778**

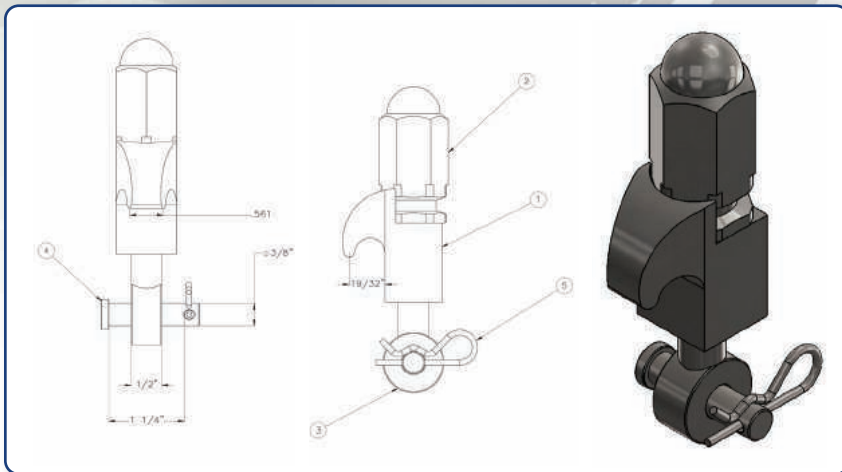
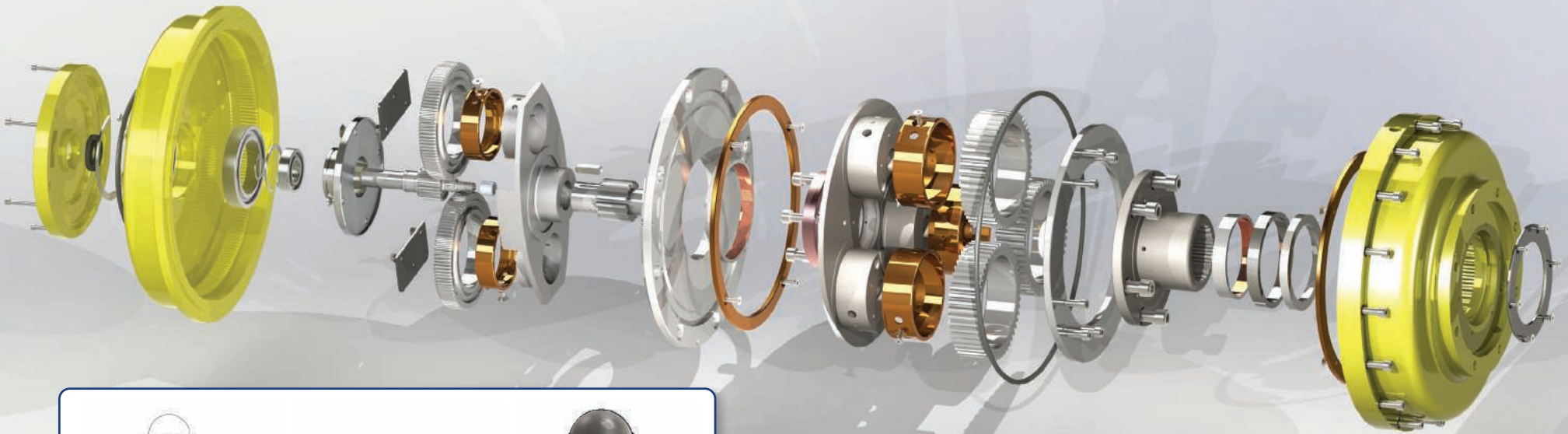






### FULL SUPPORT OF CENTRIFUGE SPARE PARTS

Elgin has engineered a complete line of spare parts for the industry's most popular decanter centrifuges. These spare parts include bearings, feed tubes, pillow-blocks, plows, solids discharge ports, liquid discharge ports, tungsten carbide tiles, gaskets, seals, clamps, and gearboxes.



5500 Lid Clamp Assembly





### CNC CAPABILITIES

Elgin's in-house engineering and CNC machine capabilities allow expedited reverse engineering of the most complicated and/or discontinued parts.



7200 Three-Stage Planetary Gearbox





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