



## Elgin Separation Solutions Makes Grand Entrance into Oil & Gas Industry

Founded in 1864 in Elgin, Illinois, Elgin has evolved into a worldwide leader in design, manufacture and service of specialized processing equipment in the Oil & Gas, Mining, Coal, Aggregates, Minerals, Water, and Pipeline Construction Industries. With vertically integrated manufacturing and design capabilities, Elgin brings to its customers a unique experience that focuses on holistic solutions. Instead of limiting our capabilities to an individual piece of equipment, Elgin specializes in the full integration of solids

conveyance systems, sophisticated PLC-driven automation systems, and product life-cycle management repair and remanufacturing services. Elgin is driven to turn the basic capital equipment procurement process into a relationship that extends through the entire life of the products and systems supplied.

	<b>ELGIN</b> SEPARATION SOLUTIONS	Manufacturer of Solids Control and Waste Management Systems, including Full Equipment Life-Cycle Service and Remanufacturing Services.
	<b>ELGIN</b> SEPARATION SOLUTIONS	Manufacturer of Vibrating Machines, Profile & Wedge-Wire Screens, Rotary Breakers, and Vibratory Centrifuges for the Minerals, Coals, and Aggregates Processing Industry.
	<b>ELGIN</b> POWER SOLUTIONS	Manufacturer of Explosion Proof Lighting and Camera Systems, Modular Power Substations, Switchgears, Electrical Control Systems, and Power Distribution Equipment for the Mining & Utilities Industry.
	<b>ELGIN</b> WATER SOLUTIONS	Manufacturer of Intake Manifolds, HemiScreen, Coarse Filtration, Mini Hydro Solutions, and Wire-to-Wire Systems for the Water & Wastewater Industry.

### Who We Are

Today, Elgin is made of four specialized divisions; Elgin Water Solutions, Elgin Separation Solutions (Liquid Separation), Elgin Separation Solutions (Solid Separations) and Elgin Power Solutions. The brand names represented

within Elgin include CMI, Cook Legacy, Gilbert Electrical, Tabor, Mining Controls, Norris, KTI, CSI and Clinch River; all widely recognized for their reliability, low maintenance and cost-effectiveness. Elgin Separation Solutions is made of two specialized teams, one that focuses on liquid removal, in which the liquid phase is considered the non-valued product and one that focuses on solids removal, in which the solids phase is considered the non-valued product. Both Elgin Separation Solutions teams manufacture a host of refined solid/liquid separation technologies that include vertical centrifuges, horizontal centrifuges, decanter centrifuges, cyclonic separators, shakers, and screens.

For the O&G industry, Elgin Separation Solutions designs and manufactures a complete line of decanter centrifuges, dewatering systems, vertical cuttings dryers and shakers designed to remove solid contaminants from drilling fluids in order to maximize drilling fluid performance.



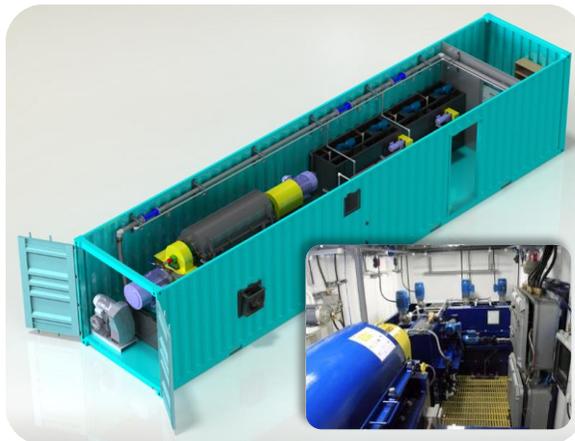
## Decanter Centrifuges

Elgin's decanter centrifuges are available in a variety of size that range from 14", 16", 18", 19" and are available in a myriad of operating configurations, including mechanically variable, hydraulic, and variable frequency driven. At the center of Elgin's decanter centrifuge line is its proprietary and patent-pending centrifuge "Cruise Control" software that provides a series of automatic protection features, while also autonomously evaluating opportunities to improve cut point or flow rate performance. Elgin's has shipped more than 600 decanter centrifuges and are operating in over 40 countries in both oil-based and water-based drilling fluid applications.



## Dewatering Systems

Elgin's decanter centrifuges are also available in a number of integrated dewatering systems and mobile packages. Elgin's dewatering systems are considered the industry's most sophisticated and effective system for the removal of colloidal solids from water-based drilling fluids and can be provided on an oil-field skid, installed on a trailer, or integrated within a 20' or 40' international shipping container. Each package is fully customizable to meet each customer's unique solids control and waste management needs and can achieve 100% removal of all suspended solids from a liquid stream.

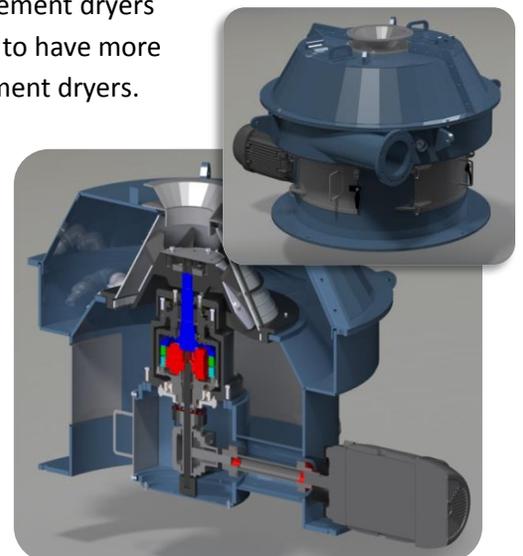


## Vertical Cuttings Dryers

Elgin's vertical cuttings dryer product line includes the industry's preeminent dryers, the CSI-03 and the CSI-04. Elgin's dryers are the standard by which all competitors set their sights. No one has shipped more waste management dryers than Elgin and no one can claim to have more

application's experience with the use and deployment of waste management dryers.

There is no other, more effective, waste management technology available in the market. Elgin's new patent-pending direct drive dryers incorporate a proprietary assembly that includes an alignment compensating drive shaft, greased-for-life 90 degree torque inverter, and the industry's most durable and field-proven gear-box drive system. Not only does Elgin's technology eliminate the need to enter the dryer to service the drive belt system, but it provides guaranteed Class I – Division 1 and Class I – Division 2 drive system compliance. No other dryer available in the market can make those same claims.



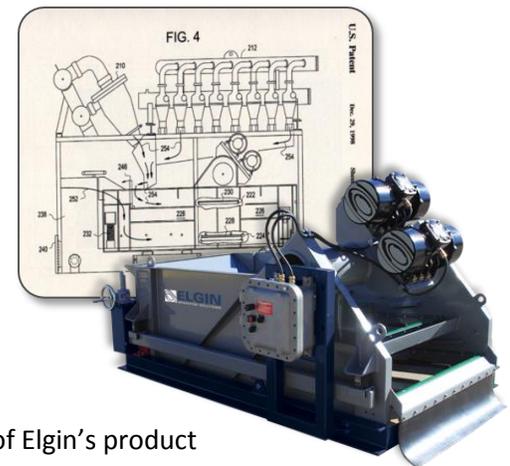
## Flow Line and Drying Shakers

Elgin's shaker product line includes both the Hyper G Flow-Line Shaker and the Hyper G Drying Shaker. The Hyper G Shaker includes a sophisticated control system that allows the operator to select the desired



G-force and desired motion (progressive linear motion or balanced elliptical motion). In addition, Elgin's Hyper-G shaker incorporates a proprietary progressive-G configuration that lowers the G-force from the first screen to the last screen, whereby ensuring the most energy is applied where needed and removing the energy when solids simply need to be further dried. Elgin's new patent-pending Screen Cascade Waterfall Technology incorporates a proprietary angled deck

configuration that insets each successive screen below the prior screen. This fully protects the seated position of each screen and allows the drilling fluid flow to fall onto each screen past the gasket position. This greatly lowers the potential for solids to be driven between the screen gasket and the shaker basket and dramatically extends the life of the shaker screen gaskets. Elgin's Hyper G Shaker is also extends as a core element of Elgin's patented multi-functional dual-deck mud cleaner.



## Supporting Equipment

Though decanter centrifuges, dryers and shakers make up the foundation of Elgin's product offering, Elgin Separation Solutions also provides a number of patented vacuum degassers, progressive cavity feed pumps, centrifugal pumps, submersible pumps, jet shear systems, solids conveyance systems, and agitator packages. Each of these products are designed to seamlessly integrate with all of Elgin's coal processing, solid/liquid separation, and waste management products.



## System Packaging and Mobile Solutions

Though each product manufactured by Elgin is designed to meet the highest quality standards, Elgin's greatest value is in its unique system packaging capabilities. Elgin's systems can be built as a fully integrated mobile trailer, oil-field skid, or in a climate-controlled enclosed structure. Elgin's integrated mobile solutions

allow both service providers and end users the ability to expedite project schedules and minimize unnecessary maintenance and set-up costs. In many cases, Elgin's mobile, packaged solutions are

designed with fully integrated environmental controls and other occupancy features which allow them to be used all year round, whether the system is operating in the cold winter of Western Siberia or the hot desert of Egypt.



### Service Footprint

In support of our product and service offering, Elgin maintains several operations in the United States, India, Abu Dhabi, Canada and Russia with a direct sales support team located in 5 different countries and an agent network operating in an additional 10 countries. Elgin maintains an impeccable record of standing behind our products and technologies regardless of their final destination.

### Quality

Elgin was the first company to obtain ISO 9001 certification for the design and manufacture of solids control and dewatering equipment. Elgin has designed and delivered products meeting dozens of regulatory requirements, including GOST R / Ex-Proof (Russia), IEx (Australia), CES (Canada), and CE / ATEX (Europe).

### Solutions Driven Team

With the combined talents of all four Elgin teams, Elgin Separation Solutions brings the Oil & Gas industry a unique experience that extends far beyond the simple specification of a centrifuge, shaker, or dryer. Elgin Separation Solutions provides holistic solids control, waste management and fluid conditioning services that create measurable value. If your goal is to maximize the control of colloidal solids, maximize drilling fluid recover from your solids control and waste management process, and /or minimize waste management costs, then Elgin can help.

For more details about the services and products offered by Elgin Separation Solutions, please visit us at [www.ElginSeparationSolutions.com](http://www.ElginSeparationSolutions.com).

ISO  
9001  
QUALITY  
ASSURANCE