



# Barite Recovery and Fine Solids Removal Centrifuges

**KEM-TRON**  
Oil & Gas

Specialists in creating value through solution-oriented packaging, integration and system customization.



## Variable Frequency Drives

Operator friendly adjustments to G-Force are made by simply changing the RPM on a digital scale. A VFD can be incorporated into all KEM-TRON centrifuges.



## VFD-Driven Back Drives

Combined with an operator-friendly VFD, a Back Drive provides conveyor torque & sediment height control, and is less likely to generate a secondary flow.



## Replaceable Inserts and Plows

Replaceable Stellite #12 Solids Discharge Wear Inserts, Plows, and Epicentric Ports for operator-friendly adjustments.



Whether you are working toward maximizing barite recovery or looking to get the most out of your “zero-discharge” system, KEM-TRON’s field proven decanting centrifuges are a perfect choice. With over 400 units installed worldwide, KEM-TRON’s centrifuges can be found in almost every harsh environment, including Siberia, Saudi Arabia, and Brazil. Like all KEM-TRON products, each centrifuge package is customized to meet your specific needs.

## Drive Options

Depending on your budget and performance needs, drive systems can be provided with Mechanical Variable Control or Variable Frequency Control. Mechanical Variable Control drives are less expensive and easier to maintain, in comparison to Variable Frequency Control drives.

Alternatively, Variable Frequency Controlled centrifuges allow the operator to change the centrifuge from a “barite recovery” to “ultra-fine solids removal” system with the flip of a switch. Regardless of the option, KEM-TRON has the needed experience to help engineer the best configuration for your application.

To provide further control and performance, KEM-TRON can fit each of its centrifuges with a back-drive to ensure the greatest control and solid/liquid separation efficiency. A back drive provides conveyor torque speed & sediment height control, and is less likely to generate a secondary flow.

## Product Integration

KEM-TRON manufactures a complete line of user-friendly mud recycling, mud mixing, dewatering, and closed-loop water reclamation systems for the oil & gas, trenchless drilling, geothermal, water-well and mining industries utilizing our own centrifuge technology. Each centrifuge system is carefully designed per the requirements of the application and the operating conditions.

## Chemically Enhanced Mechanical Separation

By combining expertise in both dewatering polymers and solid/liquid separation technologies, KEM-TRON has developed an organization capable of providing complex chemically-enhanced mechanical separation solutions. As a service oriented organization, KEM-TRON’s focus is on providing timely value. This value is further enhanced when customers take advantage of KEM-TRON’s integration, modularization, and customization capabilities. KEM-TRON will continue to be an industry leader in bringing mobile solutions to the industry’s toughest solids management problems.

KEM-TRON Centrifuges	KT-1448	KT-1967
Equipment Image:		
Maximum G Force:	2,025	2,360
Maximum Speed:	3,200 rpm	3,000 rpm
Capacity:	185 gpm (12 Lps)	400 gpm (25 Lps)
Bowl Construction:	Stainless Steel	Stainless Steel
Bowl Diameter"	14" (356 mm)	19" (482 mm)
Bowl Length	48" (1,218 mm)	67" (1,702 mm)
Weight:	6,943 lbs (3,150 kgs)	12,000 lbs (5,443 kgs)
Skid Dimensions:	112" (2,845 mm) L x 74" (1,880 mm) W x 58" (1,473 mm) H	178" (4,521 mm) L x 85" (2,159 mm) W x 67" (1,702 mm) H
Gearbox Ratio:	52:1 or 125:1	80:1



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## Trailer-Mounted XP Polisher™

Using KEM-TRON's expertise in trailer-mounted and containerized centrifuge systems, our patent pending Select Floc™ is integrated as a modular dewatering solution maximizing asset life and value.



## 20' HMI Containerized Dewatering Unit

Designed to be compact for offshore or restricted space applications. Incorporates sophisticated graphical user interfaces, chemical additive injection systems and a KEM-TRON centrifuge.



## 40' HMI Trailer Containerized Dewatering Unit

Designed for extreme climates and high volume applications. Incorporates sophisticated graphical user interfaces, bench testing, chemical additive injection systems and a KEM-TRON centrifuge.



## Quality

KEM-TRON's impeccable record of standing behind our products and technologies led us to obtaining the first ISO 9001 certification for the design and manufacture of solids control and dewatering equipment. Today KEM-TRON has continued to raise the bar by manufacturing all our centrifuges to European CE Machinery Directive standards. This includes all systems incorporating KEM-TRON centrifuges.

## Experience

Since 1990, KEM-TRON has been providing sophisticated solids control and dewatering products incorporating centrifuges. In doing so, we have developed a unique set of core competencies that have made us a service leader in separation technology.

KEM-TRON Centrifuges	Recommended G-Gorce	Typical Cut Point
Barite Recovery System:	700 to 850	2+ microns
Solid/Liquid Classifying Unit:	850 to 1,700	2 microns
Zero - Discharge Dewatering:	1,700 to 2,300*	0 microns

\*use of performance dewatering chemicals, also available from KEM-TRON

From complex mud management systems to mobile sludge pit dewatering packages, KEM-TRON continues to design and manufacture customized solutions that create tangible value. By focusing on each customer's unique problems, KEM-TRON has become more than an original equipment manufacturer, we have become a sophisticated and trusted solutions provider.



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