



ETHOS

CENTRIFUGES

Ethos, through a partnership with United Centrifuge Manufacturing, provides three different centrifuges manufactured to meet the unique needs of each client: the SS800 (18" x 28"), SS1000 (18" x 50"), and the SS2000 (21" x 72"). Ethos can also custom manufacture centrifuges to meet specific client requirements.

FEATURES OF ALL OUR CENTRIFUGES

-  **EASY USE, EASY MAINTENANCE** The LCD touch panel makes Ethos centrifuges and feed pumps easy to control and adjust RPM'S, even during operation, ensuring maximum performance. This is particularly useful for variable feed slurries. The touch panel also makes maintenance easy and straightforward.
-  **SUPERIOR FEATURES** With the motor and rotating assembly being completely separate components, the repair and replacement of these parts can be done on location with the use of a forklift in less than one hour, minimizing downtime and cost.
-  **ONE-OF-A-KIND FEED CHAMBER** Patented in Canada and USA the United acceleration plate forces the slurry to the outside of the bowl allowing the entire length of the bowl to be used to separate fluids and solids. This means that each pass through the centrifuge yields a higher cut, as much as 1 lb of mud weight per pass.
-  **SOPHISTICATED ELECTRONICS** Ethos VFD (Variable Frequency Drive) technology allows low amperage draw during startup and easy adjustments during operation. All Ethos centrifuges are PLC-compatible.
-  **DURABLE AND DEPENDABLE** Precision-balanced auger, bowl, and gearbox assembly are all treated for stress relief during manufacturing, ensuring vibration-free performance, which means longer operational service. Augers are enhanced with tungsten carbide tiling, and high-wear areas (such as solids discharge ports and feed nozzles) feature Stellite® wear liners, further increasing overall service life. Details like these have given Ethos centrifuges a proven track record of reliable service, even in harsh/extreme environments.
-  **ADJUSTABLE STANDS** All Ethos stands are adjustable, allowing the height of the centrifuge to change to the specific needs of each location maximizing the gravitational discharge of both solids and liquids.

SS800

IDEAL FOR ABRASIVE,
SANDY CONDITIONS



SS800 CENTRIFUGE

Although intended primarily for use in the environmental waste management industry, the SS800 can also be used for other applications. It is ideal for abrasive, sandy conditions and environmental applications where larger abrasive solids require separation. The SS800 can deliver up to 211 gal/min of unweighted drilling fluid. (Process rated to 251 gal/min with H₂O.)

CONTROLS

- Yaskawa F7 Variable Frequency Drive (VFD)
- All controls readily accessible to operator
- Integrated keypad LCD readout allows operator to control main drive and pump drive separately with easy-to-use commands and computer prompts
- Individual gauges for speed and unit torque allow for easy monitoring
- Drive housed in steel, weatherproof cabinet and positioned for safe operator usage

FEED PUMP

4" X 4" 20 HP

Heavy-duty Gorman-Rupp pump. Variable Speed Pump drive specifically manufactured to deliver large volumes of abrasive solids to the centrifuge

ROTATING ASSEMBLY

Stainless steel. Driven by a Marathon Explosion Proof motor.

18"X 28" / 60 HP

(457 X 711 MM)

RATED FLOW CAPACITY (H₂O)

251 GAL/MIN

(950 L/MIN)

G-FORCE

2617 G'S

AT 3200 RPM

LENGTH

110.5"

(2807 MM)

WIDTH

59.8"

(1519 MM)

HEIGHT

62.0"

(1574 MM)

WEIGHT

7,300 LBS.

(3320 KG)



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SS1000

DELIVERS UP TO 211 GAL/MIN
OF UNWEIGHTED DRILLING FLUID



SS1000 CENTRIFUGE

AVAILABLE IN LEFT- OR RIGHT-HAND FEED

Designed specifically for industries that require a greater degree of separation for low gravity solids, the SS1000 delivers high speed and high performance—up to 3400 rpm. The SS1000 can deliver up to 264 gal/min of unweighted drilling fluid. (Process rated to 343 gal/min with H₂O.)

CONTROLS

- Yaskawa F7 Variable Frequency Drive (VFD)
- All controls readily accessible to operator
- Integrated keypad LCD readout allows operator to control main drive and pump drive separately with easy-to-use commands and computer prompts
- Individual gauges for speed and unit torque allow for easy monitoring
- Drive housed in steel, weatherproof cabinet and positioned for safe operator usage

FEED PUMP

4" X 4" 40 HP

Heavy-duty Gorman-Rupp pump. Variable Speed Pump drive specifically manufactured to deliver large volumes of abrasive solids to the centrifuge

ROTATING ASSEMBLY

Stainless steel. Driven by a Marathon Explosion Proof motor.

18" X 50" / 60 HP

(457 X 1270 MM)

RATED FLOW CAPACITY (H₂O)

343 GAL/MIN

(1300 L/MIN)

G-FORCE

2617 G'S

AT 3200 RPM

LENGTH

132.0"

(3352 MM)

WIDTH

59.8"

(1519 MM)

HEIGHT

62.0"

(1574 MM)

WEIGHT

8,500 LBS.

(3865 KG)



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SS2000

FOR CONSISTENTLY HIGH
PROCESSED VOLUMES



SS2000 CENTRIFUGE

AVAILABLE WITH OR WITHOUT BACK DRIVE

Recommended for operations where applications might require consistently high processed volumes, the SS2000 is the largest centrifuge Ethos offers. The SS2000 can deliver up to 528 gal/min of unweighted drilling fluid. (Process rated to 660 gal/min with H₂O.) The SS2000's main drive, pump drive, and back drives all offer Variable Frequency Drive (VFD) technology to ensure maximum solids recovery.

CONTROLS

- Yaskawa F7 Variable Frequency Drive (VFD)
- All controls readily accessible to operator
- Integrated keypad LCD readout allows operator to control main drive and pump drive separately with easy-to-use commands and computer prompts
- Individual gauges for speed and unit torque allow for easy monitoring
- Drive housed in steel, weatherproof cabinet and positioned for safe operator usage

FEED PUMP

4" X 4" 40 HP

Heavy-duty Gorman-Rupp pump. Variable Speed Pump drive specifically manufactured to deliver large volumes of abrasive solids to the centrifuge

ROTATING ASSEMBLY

Stainless steel. Driven by a Marathon Explosion Proof motor.

21" X 72" / 125 HP

(533 X 1829 MM)

RATED FLOW CAPACITY (H₂O)

660 GAL/MIN

(2500 L/MIN)

LENGTH

169.0"

(4293 MM)

HEIGHT

74.5"

(1892 MM)

G-FORCE

2774 G'S AT 3050 RPM

WIDTH

71.0"

(1803 MM)

WEIGHT

16,300 LBS.

(7400 KG)



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EVERYTHING YOU NEED

Ethos offers a complete backyard solution, providing all the auxiliary equipment you may need. We are your one-stop shop for superior, above-standard solutions.

SUPERIOR CENTRIFUGES

Ethos offers three distinct VFD-driven centrifuge models, enabling us to create custom solutions tailored to your specific needs. The motor and rotating assembly are separate components, allowing for quick and easy repair or replacement in under an hour, directly on-site with a forklift.

EXPERT STAFF AND SERVICE

Ethos hires highly experienced Solids Control Technicians (SCTs) and provides additional training to ensure each job is completed efficiently, thoroughly, and safely. Every rig adheres to a strict weekly preventative maintenance schedule, overseen by a qualified SCT and verified by an experienced supervisor.

CUSTOM SOLUTIONS

We collaborate with you to design a custom solution tailored to your goals. Our employees act as an extension of your team, dedicated to improving efficiency, enhancing quality, and reducing downtime to lower overall costs.

ETHOS PROVIDES

- Diesel and VFD Pumps
- Pressure Washers
- Vertical Cuttings Dryer
- Centrifugal Cuttings Dryer
- Drying Shakers
- Screens
- SHURE Unit
- Open Tops
- Weir Tanks
- Track Hoe
- SCADA Monitoring
- Agitator Tanks
- Poly Tanks
- Dewatering Equipment
- Torpedo Tubes
- Dredging
- Chemicals

Need something else? Just ask!

**WE'RE IN THIS TOGETHER, ONE JOB AT A TIME.
EACH JOB MATTERS TO YOU, SO IT MATTERS TO US.**

YOUR PARTNER IN SUCCESS