

*Industry's Most Advanced Technology.
Experience, Not Experiments.*



ROTARY SCREEN CONDITIONER

Technology for Ag and Industrial Applications



ADVANCED RESOURCE RECOVERY

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TRI.ROT.SCREEN.BRO.1802



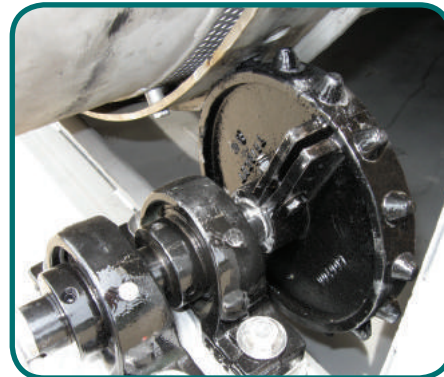
TRIDENT Separators

Trident focuses on the advancement of solid-liquid separation technologies for agricultural and industrial applications. The Trident separator system combines practicality and proven technology to deliver maximum performance in solid-liquid separation. Years of research and field testing in cooperation with industry leaders, waste management professionals and field contractors have led to the development of the Trident separator systems. Today, the Trident Rotary Screen Conditioner is a key element in many of our customers' separation applications.

Trident separators are built to operate in a variety of applications. The simple and robust design ensures smooth operation with minimal maintenance requirements.

The heart of the Trident Separator is the Posi-Trac drive system, it ensures excellent solids capture and exceptional wear resistance. The Trident Posi-Trac sprocket & ring gear system eliminates slipping, delivering positive turning power to the screen. It delivers maximum torque for processing those heavy loads. Cleaning the screen is easy with the two line automated CIP system, that ensures constant material processing rates. Long lasting, dependable components guarantee trouble free operation for many years.

The **Trident Separator with Posi-Trac**; this durable machine is designed specifically for high capacity applications for both coarse and fine particle separation. Quick-change screens provide maximum flexibility to meet your precise filtration needs. The proven technology of the rotary screen ensures superior operation and exceptional wear resistance. The Trident Posi-Trac sprocket & ring gear system eliminates slipping delivering positive turning power to the screen. Inside the screen where the work is done maximum torque is available. Variable speed electric or optional hydraulic drive provides the versatility to effectively handle varying conditions. Cleaning the screen is easy with the two line automated Clean in Place (CIP) system that maintains a clean screen for constant material processing rates. Long lasting, dependable components guarantee trouble free operation for many years.



Features

- Posi-Track Ring & Sprocket Drive
- Interchangeable Screens
- Reinforced Perforated Screen
- Rubber Idlers c/w Delrin Bearings
- 5 HP Electric Motor
- Hydraulic Drive (optional)
- 2 - Internal CIP Spray Bars
- Large Inlet Chamber
- Full Length Internal Spiral Flights
- Inlet and Outlet Guards
- Contra Shear Solid Removal
- Clear Screen Technology
- Adjustable Influent Feed Tube
- Non-slip Maximum Torque
- Maximizes Separation Versatility
- High Capacity Robust Long Life
- Durable & Maintenance Free
- Low Power Consumption
- Flexibility & Versatility
- Positive & Effective Cleaning
- Ensures Maximum Throughput
- High Capacity Conveyance
- Safety & Positive Containment
- Efficient Separation & Capture Rate
- High Capacity Separation
- Maximizes Separation

Specifications

- 304 stainless steel construction
- Overall dimensions: Length: 168", Width: 60", Height: 78" Weight: 1800 lbs
- Power requirements: 230/460/575 volt 3 phase or 230 volt single phase
- The TRIDENT Separator is available in three models to suit differing processing needs.
- The perforated filter screen is 54" diameter by 144" length.

Model	Processing Rate	Open Area
Posi Trac 3/16"	50- 1500 gpm	51%
Posi Trac 1/8"	25 – 1000 gpm	41%
Posi Trac 1/16"	10- 500 gpm	30%

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PERFORMANCE



PROVEN DESIGN



RELIABILITY

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Distributor/Dealer