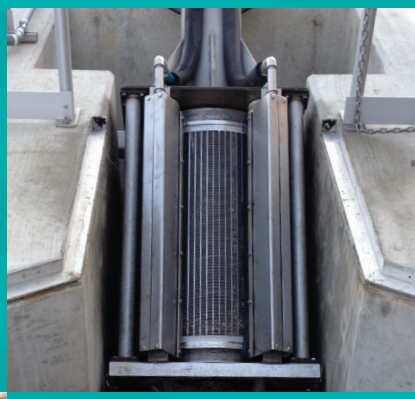
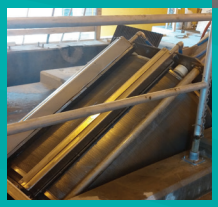


Raptor® Rotating Drum Screen







Effectively Removes
Fine Solids

LAKESIDE
EQUIPMENT CORPORATION
Water Purification Since 1928

Cleaner Water for a Brighter Future®



One Integrated Process
Screens, Washes, Compacts and Dewaters Solids

The Lakeside *Raptor*® Rotating Drum Screen is an excellent screenings solution for removal of small particles in municipal and industrial wastewater applications. The versatility of the screenings basket being either wedge wire or perforated plate allows our team of engineers to select the right screen for your treatment facility. With its high removal efficiency, the *Raptor*® Rotating Drum Screen meets the needs of Membrane Biological Reactor (MBR) plants using a perforated plate screenings basket with openings as small as 0.08 inch (2 mm). The *Raptor*® Rotating Drum Screen is also ideal for sludge and scum applications by removing plastics and other floatable material which can have detrimental effects on various areas of the treatment process. Captured screenings are compacted, dewatered and washed free of most organics to approximately 40 percent solids. Volume is reduced by 50 percent and weight by 67 percent, thereby reducing disposal cost.

- All stainless steel construction resists corrosion
- Versatile screenings basket provides high screenings removal efficiency
- Ideal for MBR and scum removal applications
- Combines 4 processes in one unit (screens, washes, compacts and dewaters)
- Dual spray wash system provides cleaner discharge screenings
- Integrated compaction zone reduces volume and weight for reduced disposal cost
- Enclosed transport tube and optional bagger attachment reduce odors

Made in the USA to our quality standards for performance you can trust.

Raptor® Rotating Drum Screen



Weather Protection with Bagging Device for Outdoor Applications





Stainless steel covers over the basket are available as an option

Designed to Withstand the Rigors of Industrial/Municipal Operations

Screen Operation

The Lakeside *Raptor*® Rotating Drum Screen is installed in either a concrete channel or a stainless steel tank. The screen's seal assembly at the front of the basket conforms to the channel or tank profile to prevent unscreened wastewater from bypassing the basket. The flow is directed into the screenings basket where fine solids are captured by either wedge-shaped screen bars or perforated plate.

When the upstream water level rises to a high level set point, the screenings basket begins to rotate for removal of the captured material. With the aid of the lower spray wash system, the debris is removed from the rotating basket and falls into a collection trough. The debris is then removed from the trough by a central screw conveyor. The conveyed material travels up the inclined transport tube where the material is washed, compacted, and dewatered prior to being discharged into a debris container.

- Hinged structural support allows unit to pivot out of channel for maintenance at floor level
- PLC-equipped control panels for versatile and efficient operation
- Simple drive assembly makes service easy and reduces maintenance costs
- All mating parts are machined to ensure proper fit and operation
- Unit is shipped fully assembled to minimize installation expenses
- Entire unit can be enclosed in a pre-engineered tank for additional protection
- Explosion-proof designs are available
- Optional weather protection system protects to 13° F below zero (minus 25° C)

Stainless steel construction for superior corrosion resistance.

Raptor® Rotating Drum Screens with Continuous Baggers



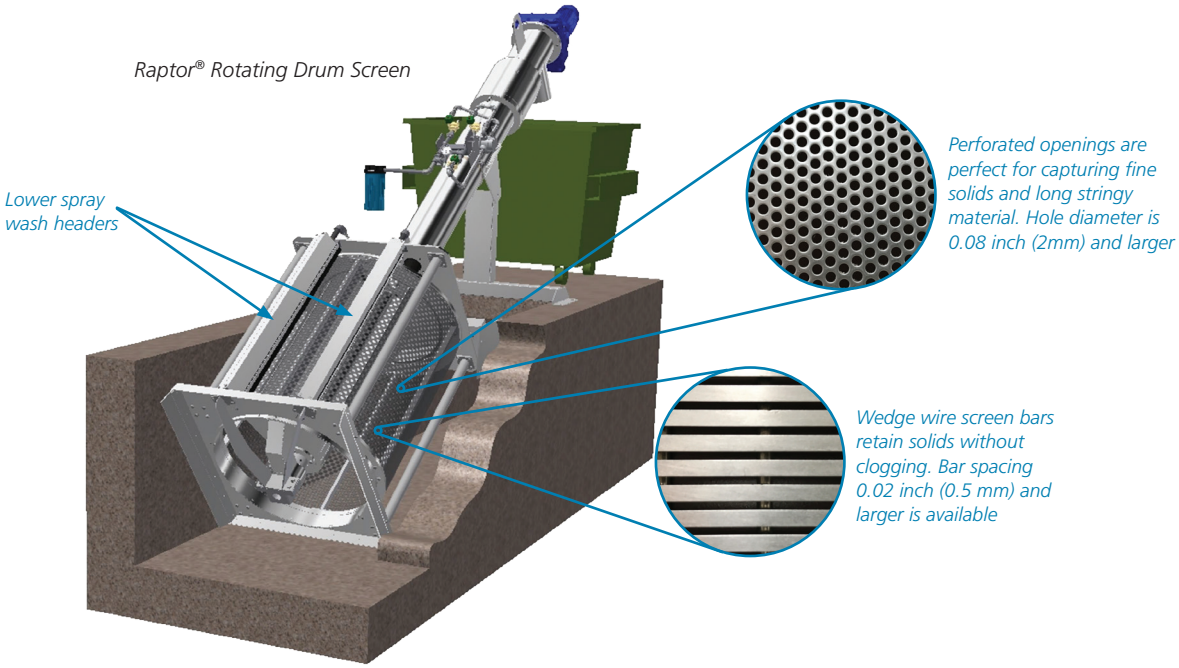
Screenings Basket with 2mm Perforated Openings



Tank-Mounted Raptor® Rotating Drum Screen with Weather Protection



Raptor® Rotating Drum Screen



Treatment equipment and process solutions from Lakeside Equipment Corporation

Lakeside offers a wide range of equipment and systems for virtually all stages of wastewater treatment from influent through final discharge. Each process and equipment item that we supply is manufactured with one goal: to reliably improve the quality of our water resources in the most cost-effective way. We have been doing just that since 1928.

Screw Pumps
- Open Screw Pumps
- Enclosed Screw Pumps

***Raptor*® Screening**
- Fine Screen
- Micro Strainer
- Rotating Drum Screen
- Septage Acceptance Plant
- Septage Complete Plant
- Complete Plant
- Multi-Rake Bar Screen
- FalconRake® Bar Screen
- Rotary Strainer Screen
- Wash Press

Trash and Screen Rakes
- Hydronic T Series
- Monorail Series
- HY-TEC Screen

Grit Collection
- SpiraGrit® Vortex Grit Removal System
- Aeroductor Grit Removal System
- In-Line Grit Collector
- *Raptor*® Grit Washer
- Grit Classifier
- H-PAC®

Clarification
- Spiraflo Clarifier
- Spiravac Clarifier
- Full Surface Skimming

Biological Treatment
- CLR Process
- Magna Rotor Aerators & Accessories
- Sequencing Batch Reactors
- Continuous Flow Sequencing Batch Reactors
- Package Treatment Plants
- Submersible Mixers & Recirculation Pumps

Hauled Waste Receiving Systems
- *Raptor*® Septage Acceptance Plant
- *Raptor*® Septage Complete Plant
- *Raptor*® FOG Acceptance Plant

Package Headworks Systems
- *Raptor*® Complete Plant
- H-PAC®

Biological Treatment Systems
- CLR Process
- E.A. Aerotor Plant
- Sequencing Batch Reactors
- Continuous Flow Sequencing Batch Reactors

LAKESIDE EQUIPMENT CORPORATION
Water Purification Since 1928

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