

# Raptor® FalconRake® Bar Screen

No Lower Bearings, Sprockets, Bushings or Guides



## HIGH CAPTURE RATE, LOW HEADLOSS

The Lakeside *Raptor*® FalconRake® Bar Screen is an efficient, proven, cost effective screen technology for inorganic solids removal providing protection to downstream equipment in municipal and industrial applications. High removal efficiency and low headloss is achieved with multiple rakes continuously removing captured material. The *Raptor* FalconRake Bar Screen features a durable stainless steel chain link design for solids removal without the need of lower bearings, sprockets, bushings, or guides thus eliminating any fouling or jam conditions in the channel. The *Raptor* FalconRake offers a wide range of bar shapes and depths to ensure successful operation regardless of the application, creating an efficient, durable, and dependable rapid debris removal system.

### Superior design and construction

- All stainless steel construction to resist corrosion
- Low horsepower, energy efficient drive system
- Minimal headroom required above operating floor
- Bar spacing available from 1/4-inch
- Variable speed to ensure superior cleaning
- Durable cast stainless steel chain link system
- Optional cover for odor control
- Optional explosion-proof design or weather protection system
- Optional teardrop shaped bars for reduced headloss

## THE COMPLETE PACKAGE

The *Raptor* FalconRake Bar Screen can be used in tandem with the *Raptor*® Wash Press to wash, compact and dewater captured screenings. The screen and wash press equipment controls can be integrated into one control panel for smooth and efficient operation.

Speak to one of our experts at **630.837.5640** or email us at [sales@lakeside-equipment.com](mailto:sales@lakeside-equipment.com) or visit [www.lakeside-equipment.com](http://www.lakeside-equipment.com) for more product information.



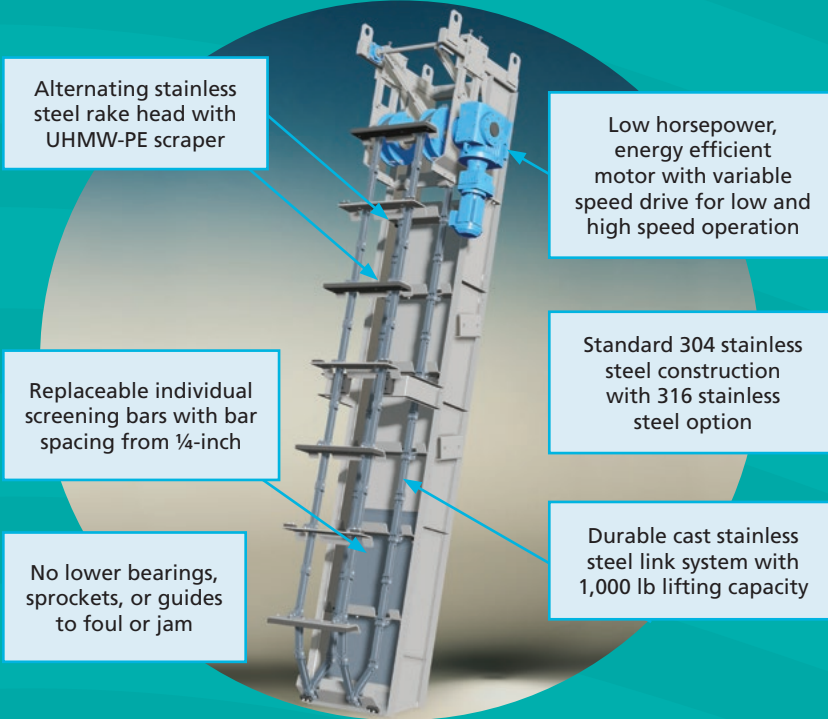
Cleaner Water for a Brighter Future®

## COST EFFECTIVE SCREEN TECHNOLOGY



# Raptor FalconRake Bar Screen

Durable Design, Low Maintenance, High Performance



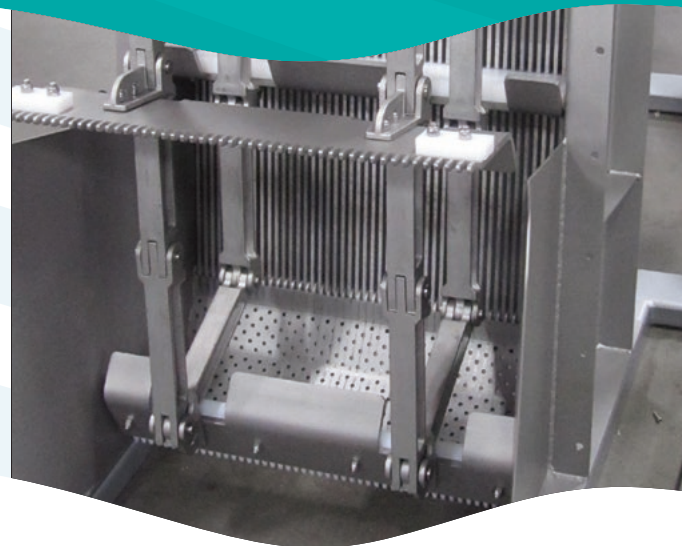
## OPERATION

The Lakeside *Raptor FalconRake Bar Screen* operation is simple. As wastewater flows through the screen, solids are captured on the face of the bar screen. Multiple rake heads with teeth that penetrate the bar screen transport solids to the top of the unit where a debris wiper blade removes solids into a discharge chute. Materials fall from the chute into a conveyor, washer/compactor or dumpster for disposal. The low horsepower, energy efficient drive operates at low or high speed to ensure the most effective capture/solids removal in the wastewater stream. Maintenance, although rarely needed, is easily achieved at the operating floor level since no part of the drive system is located below the water surface.

## APPLICATIONS

**Efficient, economical performance you can rely on for:**

- Municipal and industrial wastewater treatment plants
- Pump stations
- Surface water intake structures
- Combined sewer overflows



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