

Aqua Caiman<sup>®</sup>

*A Better* In-Channel Articulating Rake Screen



Proudly made  
in the USA

# Where Roller Coasters Meet Wastewater

To create something new, you need a new perspective. To create something good, you need experience. For the design of the Aqua Caiman®, Parkson engineers teamed up with an outside design firm with experience creating everything from mining equipment to amusement park rides and rethought **EVERYTHING**. That is how Parkson was able to improve upon just about every aspect of the industry standard articulating rake screen.

**Superior**  
design and  
manufacture of  
wiper arm

**312  
height  
variations**  
-10 bar rack heights  
- 34 discharge heights

Simply a better screen.  
Period.

**Easy**  
True-Track™ chain  
positioner allows  
adjustment without  
a hoist

**Single**  
casting for head pulley  
drive components

**Better**  
transition cross  
support for easier  
individual bar  
replacement

**Optimized**  
link design and  
manufacturing for  
ultimate strength

**Improved**  
frame design for large  
bar rack applications

**True**  
100% engagement  
of rakes with  
True-Engage™  
patent pending  
fastening design

**Optimized**  
bar shape for  
reduced headloss

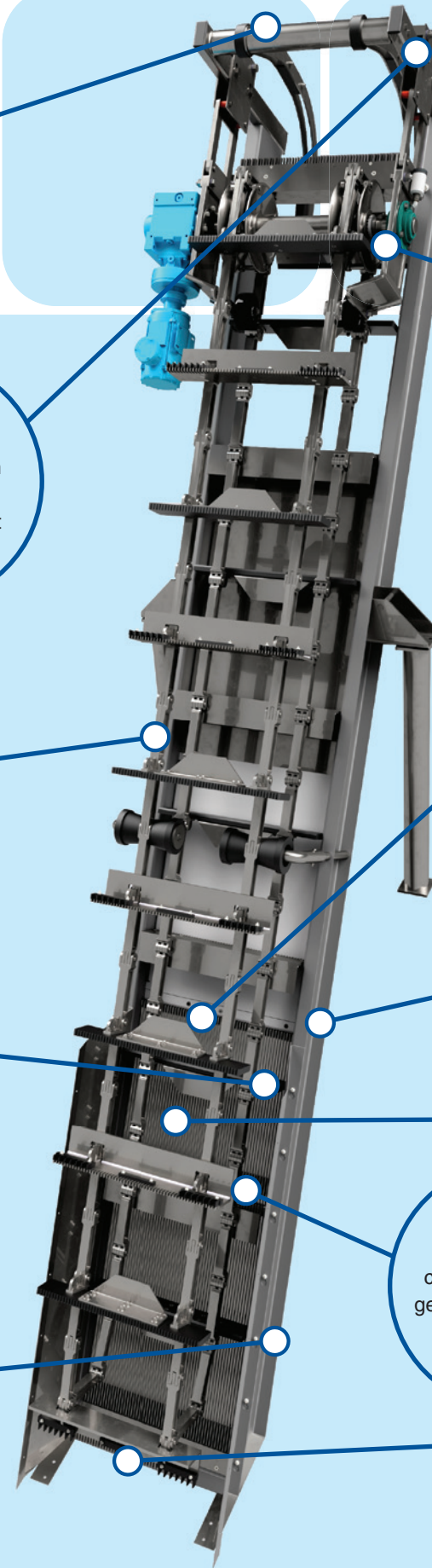
**Stronger**  
cross supports with  
geometries that lower  
headloss

**Five**  
installation angles  
available

**Specialized**  
toe bar cross support  
for additional strength  
and reduced headloss

More improvements than we can  
list on a single brochure.

Contact Parkson today so we can review everything  
we've done to design a BETTER screen for you.



## The Aqua Caiman® represents the next generation of articulating rake screen.

The key element of articulating rake screen technology is the rake system utilized to clean the screening bars. This system consists of a series of rakes attached to chain links which have a unique geometry that produce a flexible belt assembly. This flexible assembly not only allows the rakes to handle large solids with ease, but also eliminates the need for a bearing in the bottom of the treatment channel.

Parkson coupled over 40 years' experience working on thousands of in-channel screen installations, with in-depth market and engineering research to better understand the weaknesses of existing multi-rake and articulating rake screens. This information was utilized to make a long list of subtle improvements, as well as, numerous substantial advancements during the development of the Aqua Caiman. The result is the most competitively priced articulating rake screen that provides unmatched durability, ease of operation and protection of downstream process equipment.



### Now Available in Multiple Configurations

NEW!

The Aqua Caiman line has expanded and is now available in multiple configurations with inclined or vertical mounting and for standard or heavy-duty applications.

Contact us for additional information!



The Aqua Caiman being used in conjunction with Parkson's Aqua WashPress® for dewatering.

### Aqua Caiman Features and Benefits

- Better price, better manufacturing, better design, stronger components and easier operation
- Designed to fit your application:
  - » 312 height variations
  - » 10 bar rack height variations
  - » 34 discharge height variations
  - » Coarse and fine bar spacing
  - » 304 and 316 stainless steel options
  - » 60° – 90° installation angles
- Full covers for odor control
- Patent pending **True-Engage™** bar fastening design allows for true 100% rake engagement and ease of individual bar replacement
- **True-Track™** chain positioner eliminates need for hoist to fine-tune rake engagement
- Teardrop shaped bars and low-profile screen bottom designed for low headloss
- Can be used in conjunction with Parkson's conveyors or wash compactors to complete the screening system



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