

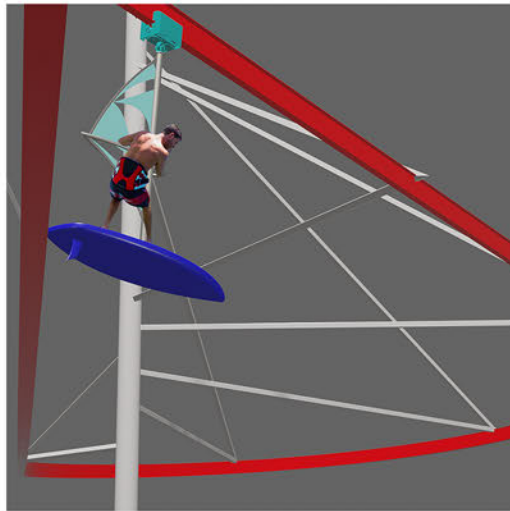
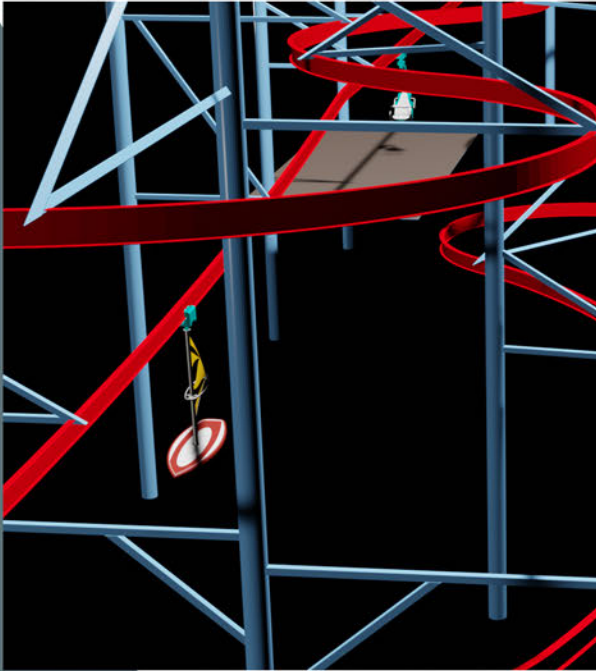


Surfin Tsunami

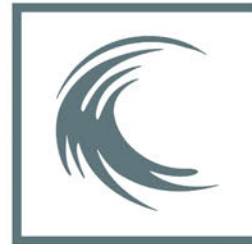
A Radical Roller Coaster



extreme
ENGINEERING



Experience surfing on a roller coaster!



Surfin Tsunami™

The Surfin Tsunami™ is the only stand up surfboard roller coaster on the market. This radical roller coaster experience, utilizes all of the great safety and design features found in our three-time award winning Cloud Coaster™. Riders instantly transform into surfers, gliding on a suspended roller coaster surf board with sharp turns, sudden drops and stops. The surfboard ride vehicle allows participants to stand up safely, easily adjusting to surfers of all ages.

Surfin Tsunami™ provides endless possibilities, offering any desired length, custom theme or track layout. This suspended coaster can be designed to fit around existing structures, be designed to fit seamlessly indoors and designed to fit within existing attractions at an amusement park or resort. Kick the tide charts to the curb and let the Surfin Tsunami™ give your guests a surfboard roller coaster experience today!

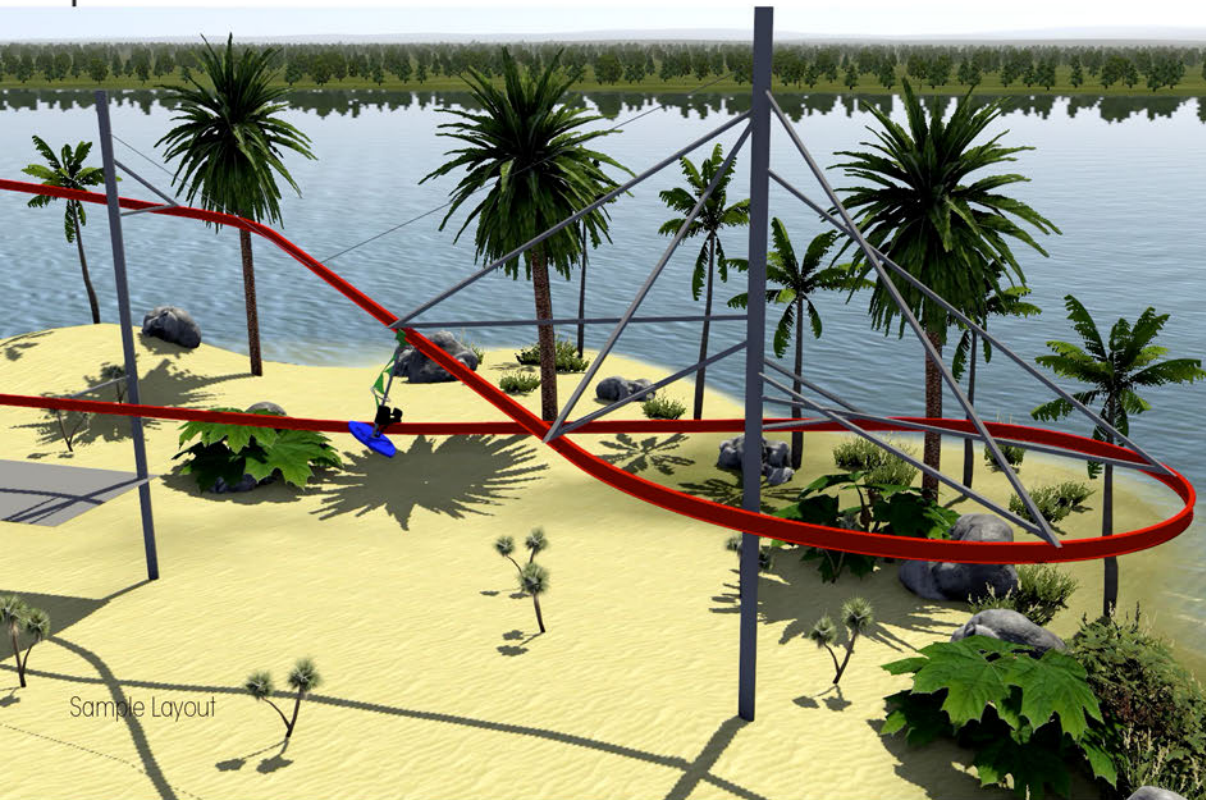




Surfin Tsunami™

Surfin Tsunami™ - A Sky Surfing Experience

This exciting configuration soars guests high in the sky, providing a gliding experience on a surf themed ride vehicle. Riders will be safely secure onto the surf ride vehicles, allowing them to stand during operation. This is the only surf stand up suspended coaster on the market! The Surfin Tsunami™ accelerates and drops into sweeping turns, achieving speeds close to 21MPH then returns to the load / unload station.



Sample Layout



SURFIN TSUNAMI™ CART

The anatomy of the roller coaster cart

M.B.S.™ TECHNOLOGY

The M.B.S.™, on the Surfin Tsunami's™ trolley, is an integral part of our passive magnetic braking device. This patent pending design uses magnetic breaking, requiring no power, with a lifespan of 300 years! Our rare earth magnets are one-of-a-kind, and the first in the industry, to use Eddy Current principals applied to a coaster cart's trolley. The M.B.S.™ is also ecofriendly, saving on expensive power requirements needed for other type of braking methods. The M.B.S.™ can be adjusted to apply strong or as little braking force as necessary.

STEEL CART BAR

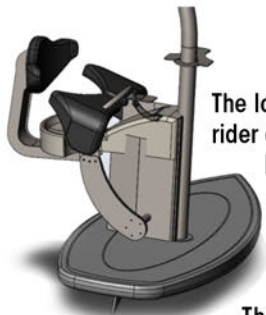
The ASTM rated steel bar is used to mount the coaster's seat and restraint system. This steel cart bar has precision drilled holes providing aerospace aesthetics and weight reduction. Multiple colors options available.

HANDLEBARS

The cart's handlebar allows the rider to comfortably hold onto the surfboard style ride vehicle. The handlebar provides the sensation of security, especially for those who can't keep their balance on a board with their feet alone. The Surfin Tsunami's™ handlebar is also designed to provide operators an easy way to control the carts during the end and start of the attraction.

LOCKING LAP BAR

The locking lap bar provides Infinite adjustments for rider comfort. The electronic release applies hydropneumatics in the riding position. The hydraulic locking unit (HLU) is specifically designed for passenger restraint systems. The HLU is lab tested, easy to use and has proven reliability with high-cycle counts. This device exceeds all international safety standards.



PRECISION WHEELS

Extreme Engineering's machined coaster wheels utilize our proprietary technology, Bravo Bearings™, making each wheelset extremely fast, durable and ridged to last plenty of cycles. The "BB" technology is designed to freely move carts at rated loads with complete ease. Our wheels also use a urethane polymer designed to provide an extremely smooth coaster experience. No aftermarket wheels come close to these precision beauties!

SWIVEL WITH SWAY CONTROL

The precision machined swivel safely attaches the coaster trolley to the Surfin Tsunami's™ cart. The swivel also provides a dampening feature, for rider comfort, creating the real sensation of flying and floating through the air.

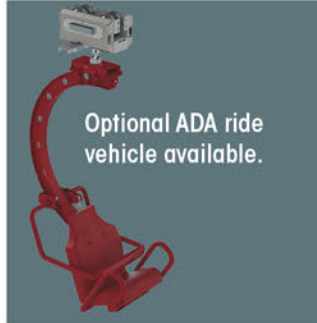
ELECTRONIC SAFETY RELEASE

The electronic safety release provides redundancy in the overall safety lock of the lap bar. It is powered by lithium, rechargeable batteries with easy connectivity for recharging. This safety release is located on the backside of the chair, preventing ease of access to riders.

ERGONOMIC SEAT DESIGN

The coaster seat is custom sculpted, to fit most body types, providing the maximum comfort during use. Seat is made from high-density, closed cell foam, with an extruded fiberglass backing. The coaster seat is extremely easy to sanitize and wipe down. Multiple color options are available.

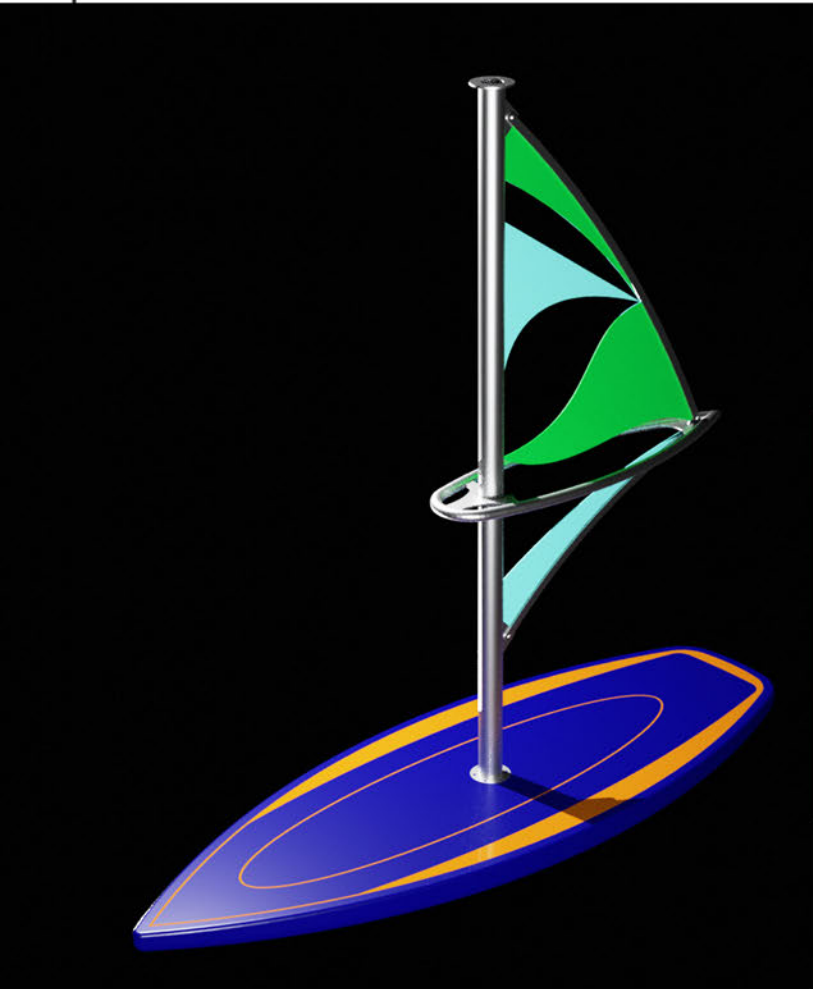
*Ride Vehicle may slightly vary from design,



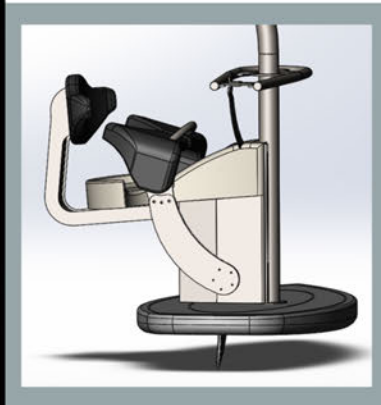
Optional ADA ride vehicle available.



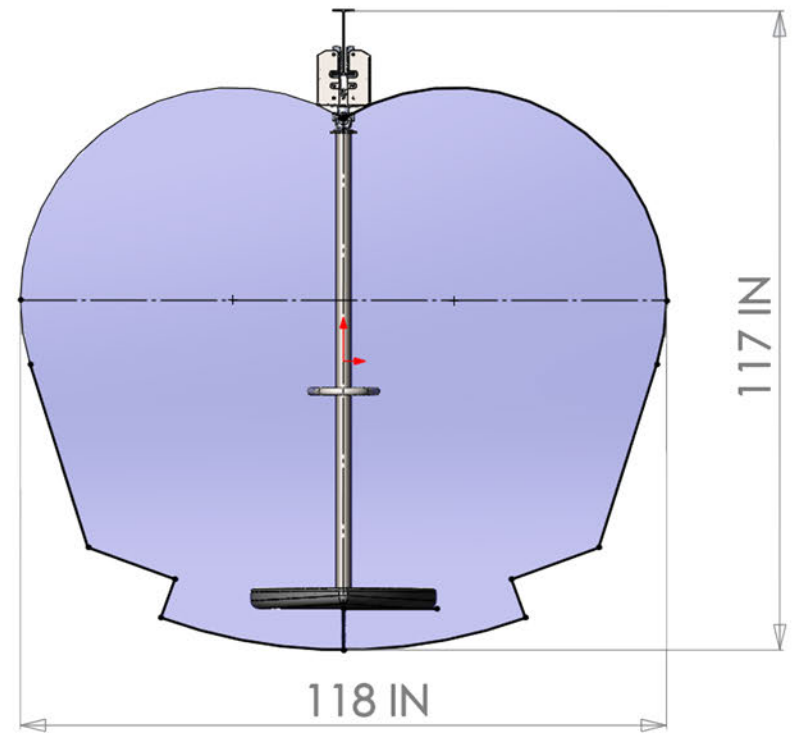
Surfin Tsunami™



Ride Vehicle Concept Rendering



ESTIMATED RIDE ENVELOPE





We provide the best to the best in the world! Extreme Engineering works globally with over 5,000 clients. We are the ultimate designers of adventure rides.

Here are just some of our clients:



Extreme Engineering is the first company in amusement history to earn the unprecedented honor of achieving "Best New Product" 5 years in a row and 15 amusement industry awards, including "Best Major Attraction" with the Cloud Coaster. Extreme Engineering also received awards in several other categories such as "Best Technonlogy Applied," "Best Major Theme Park Ride," and "Best Exhibit."



We are the leaders in family-friendly thrills. All of our products are family-friendly focused, providing attractions fun for all ages.

WHY CHOOSE US?

- ✓ Engineering at its best. All products exceed ASTM and CE standards.
- ✓ Quality and Safety comes naturally, Fun is our business®.
- ✓ We work with the big guys. Our client lineup speaks for itself.

U.S. Patents and Patents Pending, Proudly Built in the U.S.A.

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extreme
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