

EXCITEMENT AWAITS

OUR FULL RIDE COLLECTION



S&S WORLDWIDE



INTRO

WHERE YOUR EXCITEMENT BEGINS...

With over 30 years of experience in the amusement industry and over 500 ride installations globally, S&S Worldwide is the innovative leader of design and engineering solutions. With the acquisition of Arrow Dynamics in 2002 and our joining the Sansei Technology Group in 2012, we now can offer you, our clients, the power and resources of the World's largest amusement group.

At our fully integrated company, we make your buying experience seamless, from the first spark of design and engineering to the ongoing service that keeps your rides at their best. Our in-house experts in sales, engineering, manufacturing, and project management work together to ensure each ride not only meets, but exceeds, your strict safety and quality standards. Every ride is put through rigorous testing and inspections at our factory, so you can count on minimal downtime and low maintenance costs, keeping the fun going without interruption.

Our team has extensive expertise in adhering to a wide array of international codes and regulations, including ASTM, EN, GB, and UL standards. We are well-versed in navigating the requirements of major global review agencies such as TUV, DOSH, and CSEI. Our 24/7 service hotline and advanced online diagnostic system ensure prompt and efficient support, saving you both time and money.

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To help you find the perfect ride and thrill level for your park, we have formulated a thrill scale to reflect the thrill of each ride. By comparing unique factors, such as maximum height and speed, minimum rider height, and other ride elements, we have created a calculable thrill scale of our rides. Rest assured, the thrill level associated with each ride has been carefully calculated compared with other S&S Worldwide rides and is not simply guesswork.



THRILL COASTERS



AXIS COASTER

A REVOLUTIONARY RIDE EXPERIENCE!

We reimagined roller coaster dynamics by placing our patented 4D rotating vehicle technology on a new AXIS. With track elements that cannot be replicated on any other ride, the deliberate and fluid movements of this coaster will give your guests the feeling of flying like they've never-before experienced. Let your guests flip, fly, and soar on AXIS!





SPIN ON A WHOLE NEW AXIS!

FEATURES

- Patented and Proven Rotating Vehicle Technology
- Elements that Cannot be Replicated on any Other Ride
- Thrill or Family Friendly Layouts Available
- Traditional Chain Lift or LSM Launch Available



AXIS LIFT 2100



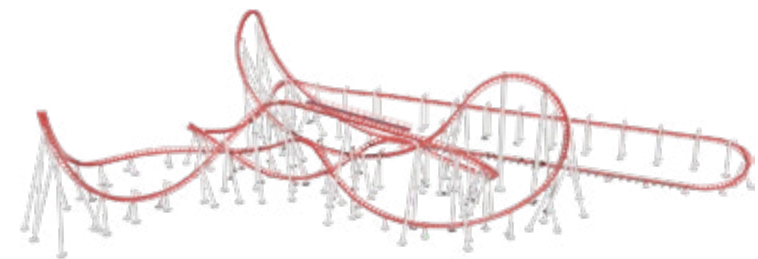
MAXIMUM HEIGHT	128 ft (39 m)	 1000 pph
FOOTPRINT	385 x 293 ft (117 x 89 m)	
NUMBER OF TRAINS	4	 56 mph (90 km/h)
PASSENGERS PER TRAIN	12	
MIN RIDER HEIGHT	51 in (1.3 m)	 2100 ft (639 m)

AXIS LSM 800



MAXIMUM HEIGHT	44 ft (13 m)	 280 pph
FOOTPRINT	266 x 122 ft (81 x 37 m)	
NUMBER OF TRAINS	1	 35 mph (56 km/h)
PASSENGERS PER TRAIN	8	
MIN RIDER HEIGHT	51 in (1.3 m)	 770 ft (235 m)

AXIS LSM 2600



MAXIMUM HEIGHT	100 ft (31 m)	 1000 pph
FOOTPRINT	300 x 443 ft (91 x 135 m)	
NUMBER OF TRAINS	4	 60 mph (97 km/h)
PASSENGERS PER TRAIN	12	
MIN RIDER HEIGHT	51 in (1.3 m)	 2550 ft (777 m)

AXIS LIFT 900



MAXIMUM HEIGHT	56 ft (17 m)	 310 pph
FOOTPRINT	211 x 123 ft (64 x 38 m)	
NUMBER OF TRAINS	1	 34 mph (54 km/h)
PASSENGERS PER TRAIN	12	
MIN RIDER HEIGHT	51 in (1.3 m)	 850 ft (260 m)



AIR LAUNCH COASTER

BLAST OUT OF THE GATE!

Get ready for unparalleled thrills with our high-speed air-launched coasters! Featuring our patented compressed air launch technology, these coasters have the ability to accelerate to record breaking speeds in an instant, then race through a unique array of twists and turns.



FEATURES

- Most Powerful Launch
- Patented and Proven Air Launch Technology
- Designed for Maximum Thrill
- Custom Layouts can be Airtime and/or Inversion Focused

**WORLD'S FASTEST
ACCELERATION!**



AIR LAUNCH 2900



MAXIMUM HEIGHT	205 ft (62 m)	 1200 pph
FOOTPRINT	677 x 570 ft (206 x 174 m)	
NUMBER OF TRAINS	2	 84 mph (135 km/h)
PASSENGERS PER TRAIN	24	
MIN RIDER HEIGHT	48 in (1.2 m)	 2907 ft (886 m)

AIR LAUNCH 2700



MAXIMUM HEIGHT	131 ft (40 m)	 900 pph
FOOTPRINT	530 x 130 ft (162 x 40 m)	
NUMBER OF TRAINS	2	 64 mph (103 km/h)
PASSENGERS PER TRAIN	20	
MIN RIDER HEIGHT	48 in (1.2 m)	 2709 ft (826 m)

AIR LAUNCH 3100



MAXIMUM HEIGHT	193.6 ft (59 m)	 900 pph
FOOTPRINT	574 x 223 ft (175 x 68 m)	
NUMBER OF TRAINS	2	 81 mph (130 km/h)
PASSENGERS PER TRAIN	24	
MIN RIDER HEIGHT	48 in (1.2 m)	 3100 ft (945 m)

AIR LAUNCH 1800



MAXIMUM HEIGHT	175 ft (53 m)	 900 pph
FOOTPRINT	710 x 220 ft (216 x 67 m)	
NUMBER OF TRAINS	2	 78 mph (125 km/h)
PASSENGERS PER TRAIN	16	
MIN RIDER HEIGHT	48 in (1.2 m)	 1800 ft (549 m)



HYPER COASTER

A CLASSIC LIKE YOU'VE NEVER SEEN BEFORE!

Bring new thrills to your park with the Hyper Coaster. Designed to focus on airtime, inversions, or both, the layout for this ride can be tailored to the thrill level of your park. Whether you are looking for the ultimate family coaster or the ultimate thrill coaster, elevate your park with an S&S Hyper Coaster.

ASTRONOMICAL
AIRTIME OR
INSANE INVERSIONS!

FEATURES

- Designed for Maximum Thrill
- Custom Layouts can be Airtime and/or Inversion Focused
- Traditional Chain Lift, LSM Launch, or Air Launch Available
- Lap Bar Restraint for Ultimate Freedom



HYPER COASTER 4000



MAXIMUM HEIGHT	220 ft (67 m)	 1020 pph  74 mph (119 km/h)  4009 ft (1222 m)
FOOTPRINT	140 x 900 ft (43 x 274 m)	
NUMBER OF TRAINS	2	
PASSENGERS PER TRAIN	24	
MIN RIDER HEIGHT	48 in (1.2 m)	

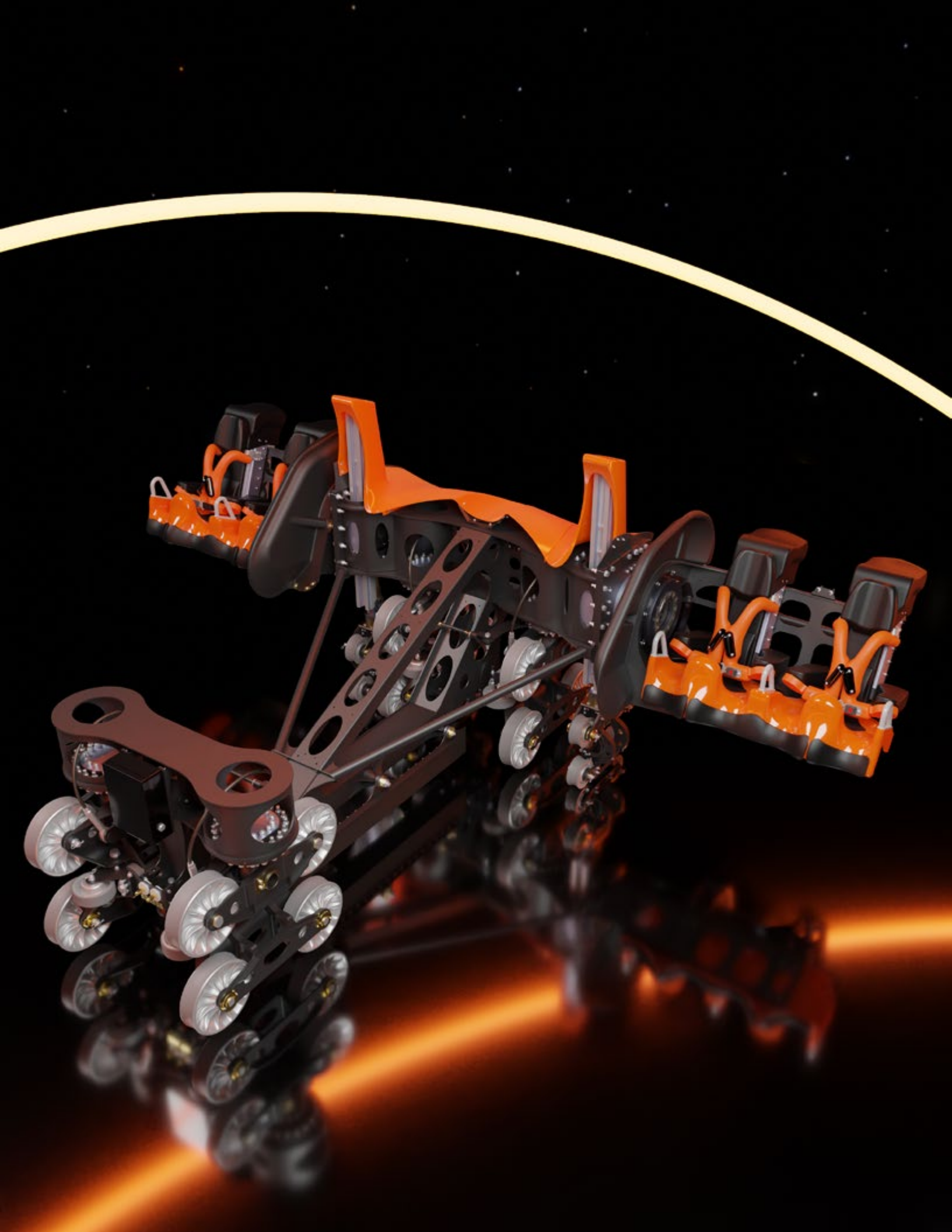


4TH DIMENSION COASTER

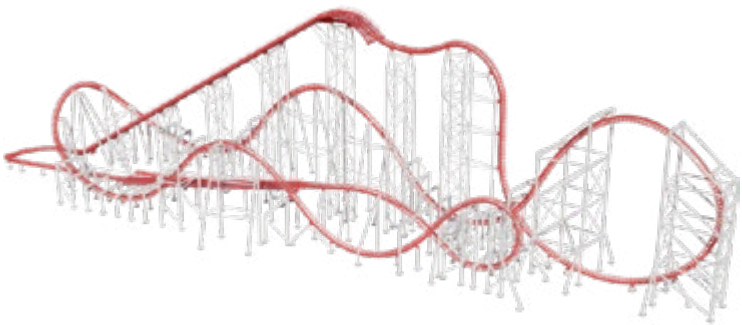
NO OTHER COASTER COMPARES!

The 4th Dimension Coaster brings thrill to a new dimension! This innovative roller coaster design features seats that rotate independently of the track's orientation, providing a unique and thrilling experience. The rotation is controlled by a set of additional rails, allowing for forward and backward spins of up to 360-degrees.





4TH DIMENSION 3300



MAXIMUM HEIGHT	203 ft (33 m)	 920 pph
FOOTPRINT	787 x 230 ft (240 x 70 m)	 73 mph (117 km/h)
NUMBER OF TRAINS	2	 3346 ft (1020 m)
PASSENGERS PER TRAIN	24	
MIN RIDER HEIGHT	48 in (1.2 m)	



ENTER A WHOLE
NEW DIMENSION!

FEATURES

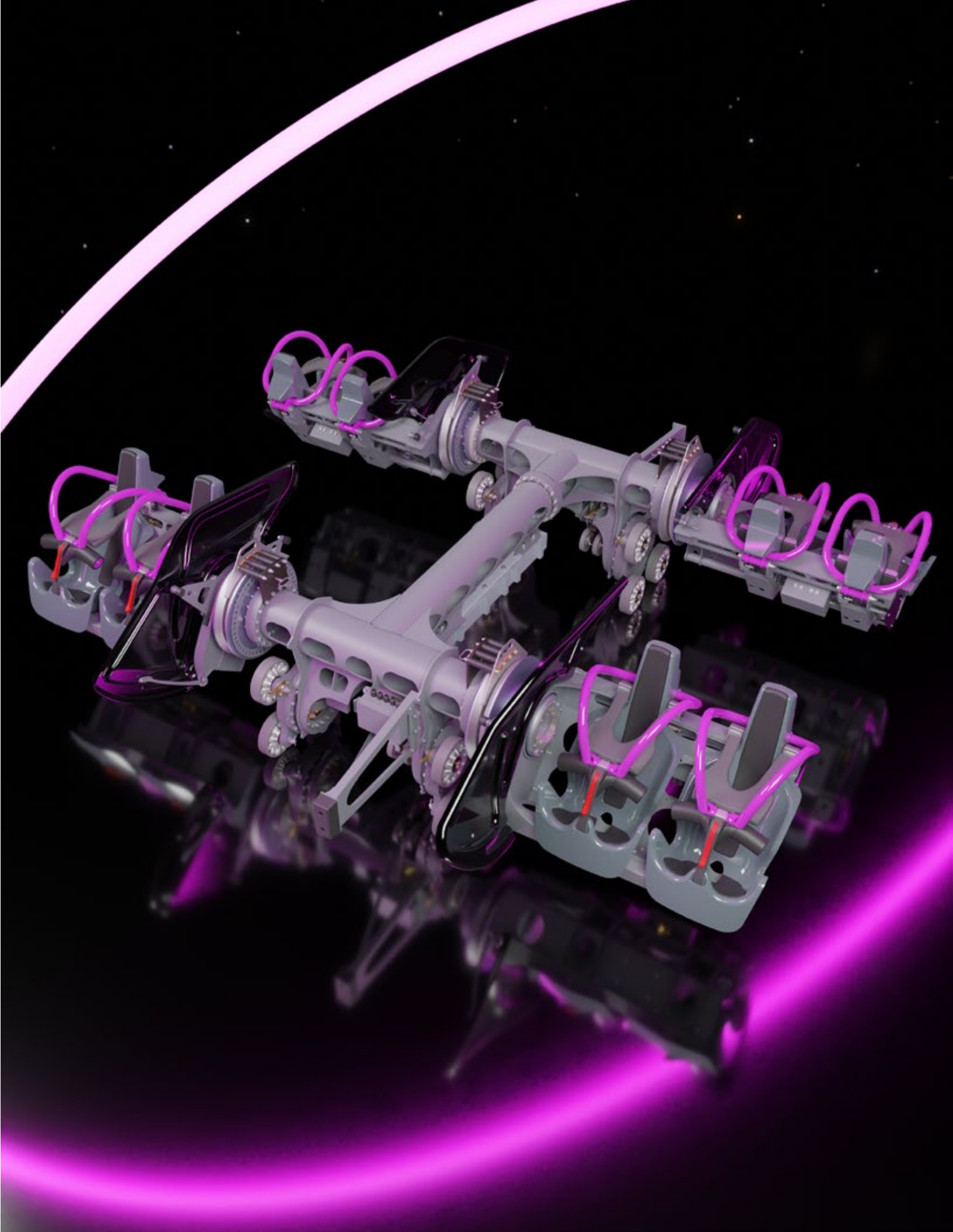
- Patented and Proven Controlled 360-Degree Rotating Seats
- Adjustable Restraint for Increased Rider Accommodations
- Exposed Wing Seating
- Most Thrilling Ride on the Market



4D FREE SPIN COASTER

BRINGING THE 4TH DIMENSION TO ANY PARK!

Inspired by the 4th Dimension Coaster, the 4D Free Spin utilizes magnetic technology to induce and control spinning. Weight, seat position, and rider interaction influence the spinning, making this the perfect re-ride coaster. Through simple adjustments that take just minutes, each seat pair can be customized to a different level of thrill, allowing all types of thrill seekers to enjoy this coaster!



FEATURES

- Extraordinarily Slender Footprint
- Patented and Proven Magnetic Spinning Technology
- Exposed Wing Seating
- A Different Ride Every Time

OUR UNIQUE SPIN ON COASTERS!



4D FREE SPIN 800



MAXIMUM HEIGHT	112 ft (34 m)	 640 pph
FOOTPRINT	183 x 49 ft (56 x 15 m)	
NUMBER OF CARTS	3	 36 mph (57 km/h)
PASSENGERS PER CART	8	
MIN RIDER HEIGHT	48 in (1.2 m)	 780 ft (238 m)

4D FREE SPIN 1000



MAXIMUM HEIGHT	112 ft (34 m)	 720 pph
FOOTPRINT	235 x 49 ft (72 x 15 m)	
NUMBER OF CARTS	5	 40 mph (64 km/h)
PASSENGERS PER CART	8	
MIN RIDER HEIGHT	48 in (1.2 m)	 1019 ft (311 m)



EL LOCO COASTER

MORE LOCO THAN YOUR WILD MOUSE!

The El Loco Coaster redefined what can be accomplished in a small footprint. This family-friendly thrill coaster features an extreme drop, inversions, and outwardly banked turns. The El Loco Coaster is the ultimate in capacity, footprint, and style!

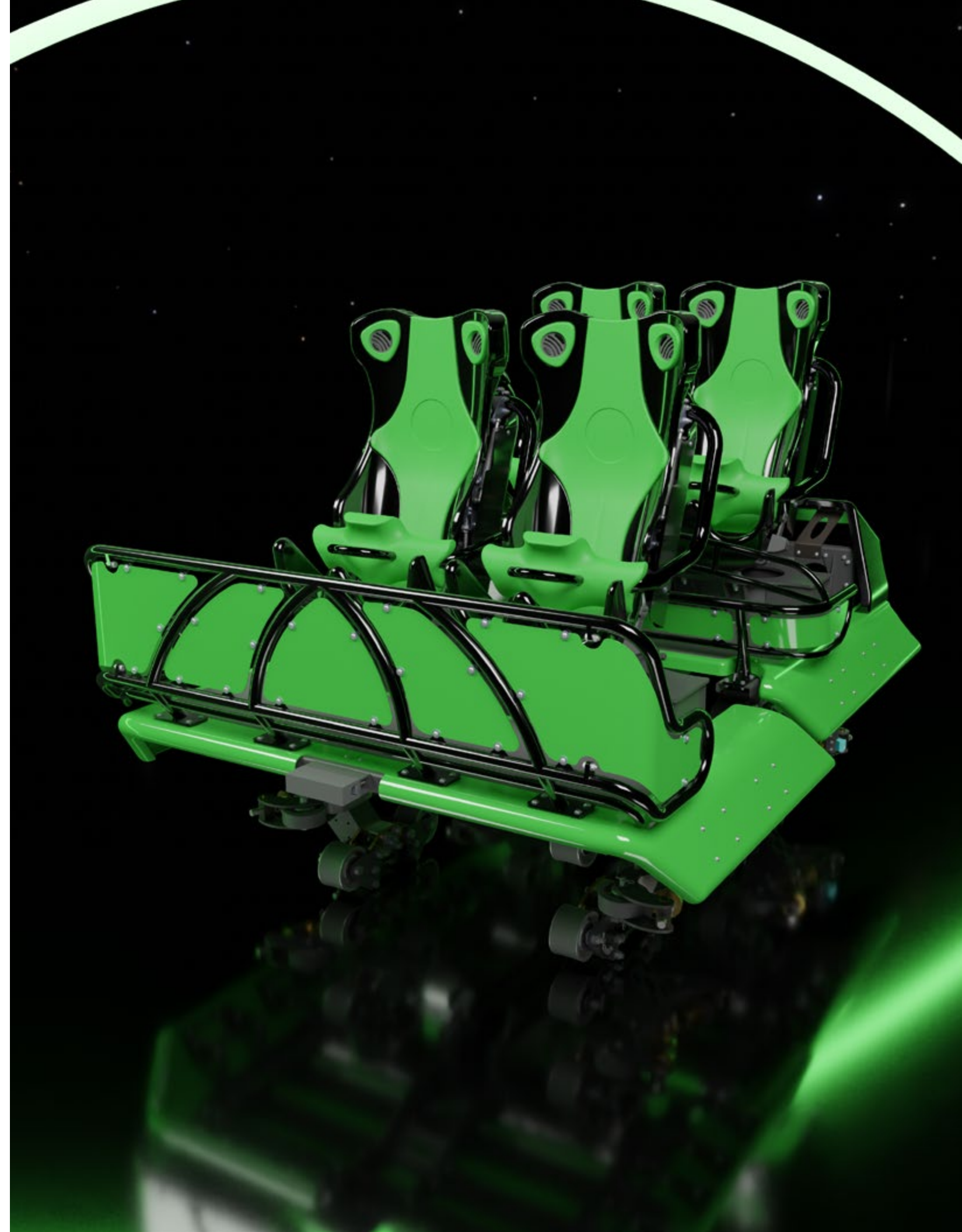




FEATURES

- Compact Footprint to Fit any Space
- Extreme Drops and Outward Banked Turns
- Lap Bar Restraint for Ultimate Freedom
- On-Board Audio and Custom Lighting Options Available

STEEP AND SLEEK!

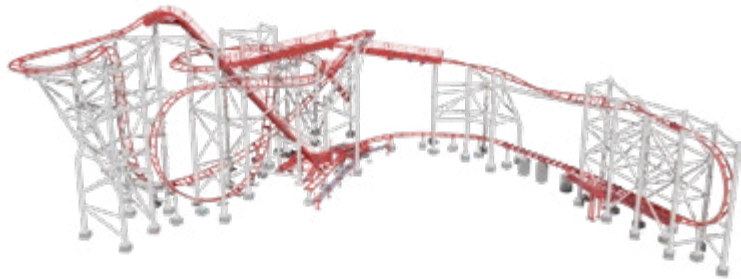


EL LOCO 1400



MAXIMUM HEIGHT	108 ft (33 m)	 480 pph
FOOTPRINT	225 x 63 ft (69 x 19 m)	
NUMBER OF CARTS	5	 38 mph (65 km/h)
PASSENGERS PER CART	4	
MIN RIDER HEIGHT	48 in (1.2 m)	 1386 ft (423 m)

EL LOCO 1200



MAXIMUM HEIGHT	75 ft (23 m)	 480 pph
FOOTPRINT	204 x 175 ft (62 x 53 m)	
NUMBER OF CARTS	6	 44 mph (70 km/h)
PASSENGERS PER CART	4	
MIN RIDER HEIGHT	48 in (1.2 m)	 1232 ft (376 m)

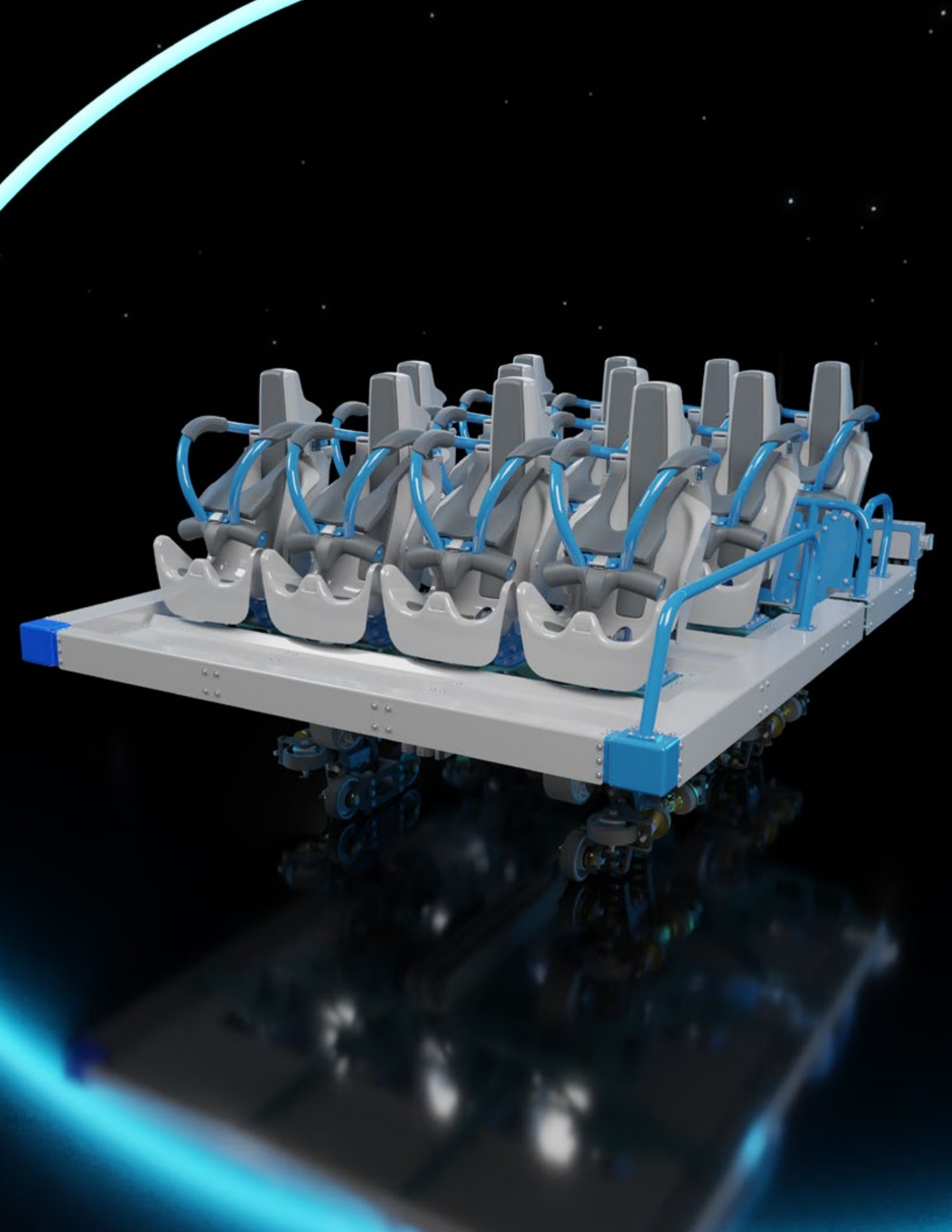




TRIPLE LAUNCH COASTER

HIGH POWERED FUN!

The LSM Triple Launch coaster is high-powered fun packed in a small footprint. We took everything riders love about El Loco and pushed it to the limits! This design is easily customizable, making it a perfect fit for any park.



¡MÁS LOCO!

FEATURES

- Compact Footprint to Fit any Space
- Outward Banked Turns
- Combines Airtime and Inversions for an Unparalleled Ride Experience
- Maximize Value by Reusing Track Multiple Times in the Same Ride Sequence



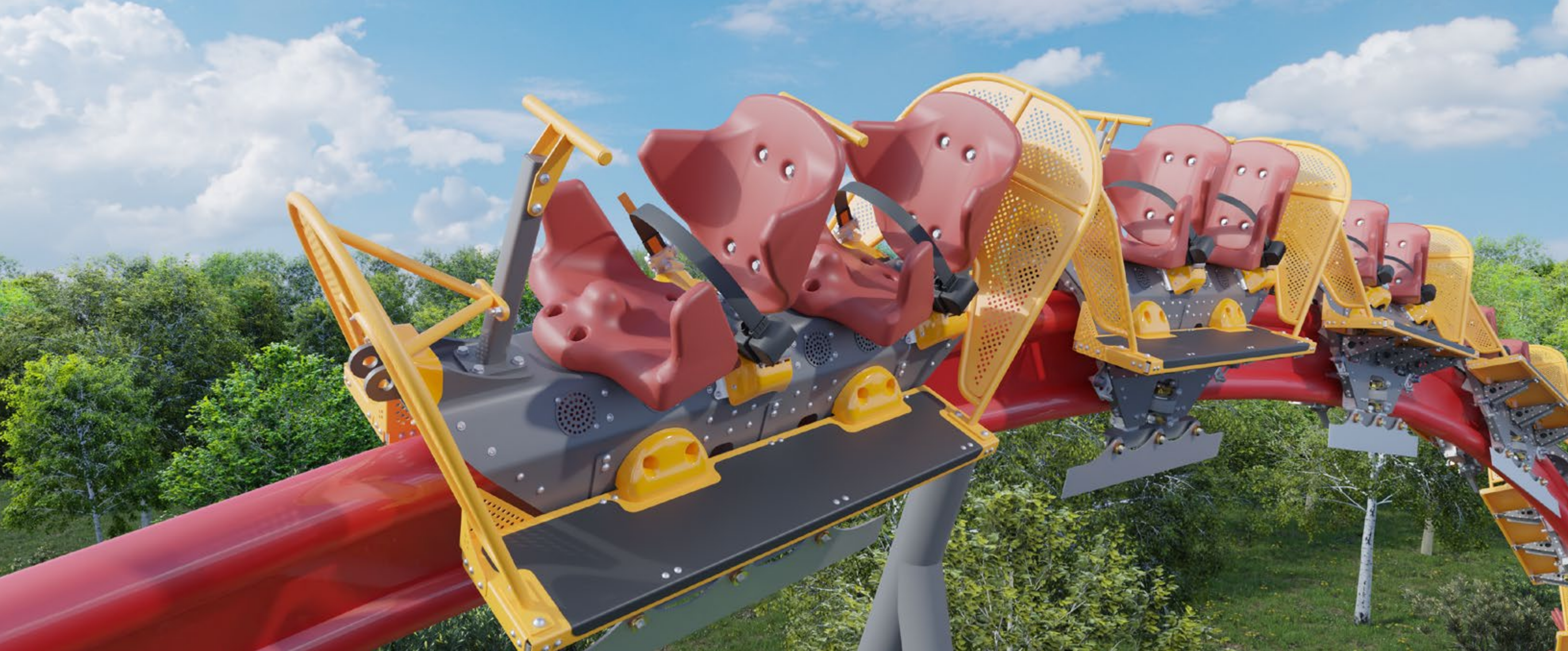
TRIPLE LAUNCH 1200



MAXIMUM HEIGHT	129 ft (39.4 m)	 360 pph  65 mph (105 km/h)  1220 ft (372 m)
FOOTPRINT	277 x 40 ft (69 x 12 m)	
NUMBER OF CARTS	1	
PASSENGERS PER CART	12	
MIN RIDER HEIGHT	48 in (1.2 m)	



FAMILY COASTERS



RAILRYDER COASTER

OUR CLASSIC SINGLE RAIL COASTER REIMAGINED!

The next generation of the Steeplechase Coaster, has arrived: RailRyder! This family-friendly, high-capacity coaster features rail hugging vehicles and an open seat design, ensuring a smooth and exhilarating ride for passengers measuring 39” and up. Elevate your park with RailRyder, where thrills meet family fun in perfect harmony.

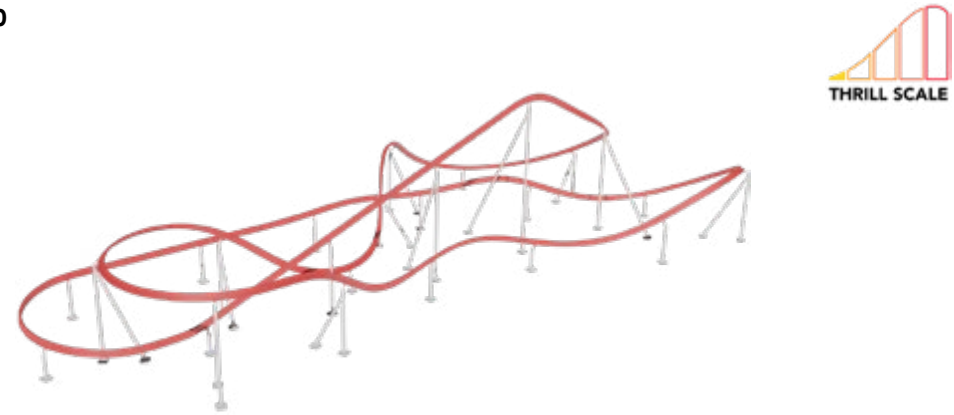


FUN FOR THE WHOLE FAMILY!

FEATURES

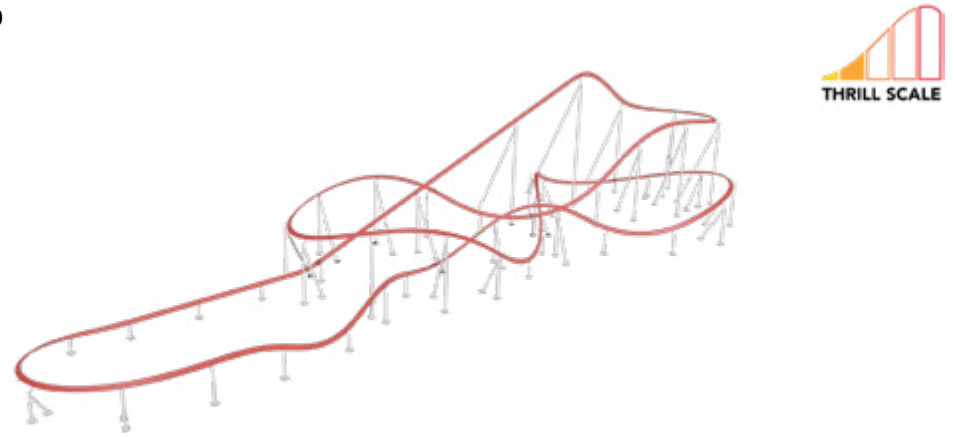
- Rail Hugging Passenger Train
- 39" Minimum Rider Height
- Seatbelt Restraint for Ultimate Freedom
- Unique Single Rail Design

RAILRYDER 1000



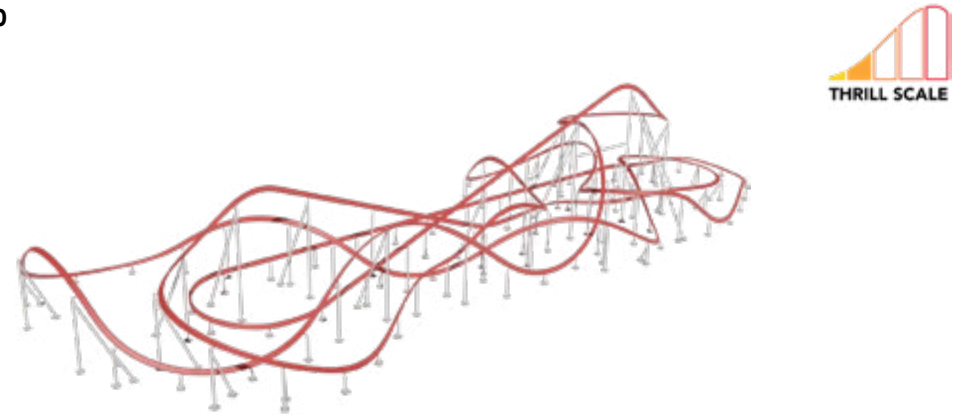
MAXIMUM HEIGHT	45 ft (13.72 m)	 720 pph
FOOTPRINT	100 x 200 ft (30 x 61 m)	
NUMBER OF TRAINS	2	 31 mph (50 km/h)
PASSENGERS PER TRAIN	12	
MIN RIDER HEIGHT	39 in (1 m)	 950 ft (290 m)

RAILRYDER 1300



MAXIMUM HEIGHT	60 ft (18.29 m)	 610 pph
FOOTPRINT	95 x 330 ft (29 x 101 m)	
NUMBER OF TRAINS	2	 36 mph (58 km/h)
PASSENGERS PER TRAIN	12	
MIN RIDER HEIGHT	39 in (1 m)	 1300 ft (396 m)

RAILRYDER 2400



MAXIMUM HEIGHT	60 ft (18.29 m)	 1150 pph
FOOTPRINT	130 x 330 ft (40 x 101 m)	
NUMBER OF TRAINS	4	 36 mph (58 km/h)
PASSENGERS PER TRAIN	12	
MIN RIDER HEIGHT	39 in (1 m)	 2350 ft (716 m)





FAMILY INVERTED COASTER

SOAR WITH YOUR FAMILY!

Your guests will create unforgettable memories with their family as they embark on a thrilling journey with our Family Inverted Coaster. Designed with families in mind, the passenger train can accommodate everyone from the smallest adventurers to the most experienced thrill seekers. This coaster perfectly combines excitement, comfort, and fun, so everyone from first time riders to veteran coaster enthusiasts will love this ride.

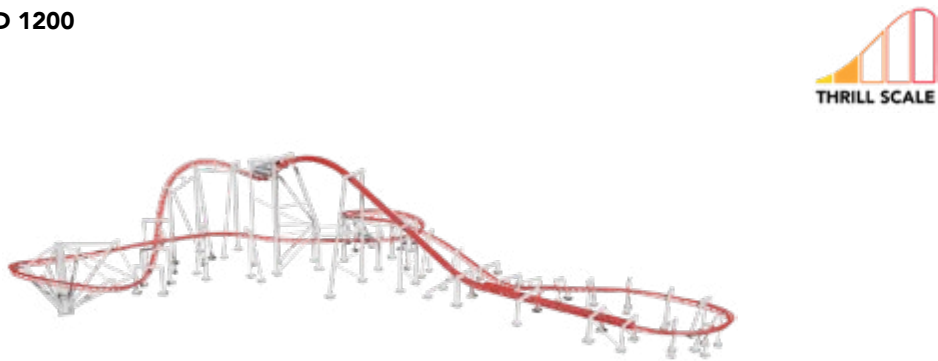
FUN FOR ALL AGES!

FEATURES

- Exciting, yet Unintimidating Elements
- Lap Bar Restraint for Ultimate Freedom
- High Capacity Train for Maximum Throughput
- On-Board Audio Available



FAMILY INVERTED 1200



MAXIMUM HEIGHT	60 ft (18 m)	 720 pph  38 mph (61 km/h)  1204 ft (367 m)
FOOTPRINT	300 x 350 ft (91 x 107 m)	
NUMBER OF TRAINS	1	
PASSENGERS PER TRAIN	20	
MIN RIDER HEIGHT	39 in (1 m)	



FREE FLY COASTER

BRIDGING THE GAP BETWEEN KIDDIE AND THRILL!

The Free Fly Coaster has changed the game for family suspended coasters with its unique swinging seats that never leave the rider upside down. The open seating and air suspension make riders feel like they're weightlessly gliding through the air. Designed to be easy to maintain and perfect for families, this coaster is sure to thrill anyone 42 inches and taller.





FREE FLY 1200



MAXIMUM HEIGHT	57 ft (17 m)	 720 pph
FOOTPRINT	230 x 160 ft (70 x 49 m)	
NUMBER OF CARTS	4	 30 mph (45 km/h)
PASSENGERS PER CART	8	
MIN RIDER HEIGHT	42 in (1.1 m)	 1240 ft (378 m)

FEATURES

- 360-Degree Longitudinal Spinning Gondola
- Fully Adjustable Air Pressure Suspension
- ASTM Class 3 Restraint
- Innovative Soaring Sensation

EXPERIENCE
REAL FLIGHT!





MINE TRAIN COASTER

A NEW TAKE ON AN HONORED CLASSIC!

The tried-and-true Arrow Mine Train Coaster has been given new life! With a new light-weight body style and exciting track layouts, the Mine Train Coaster is a ride the entire family can enjoy.

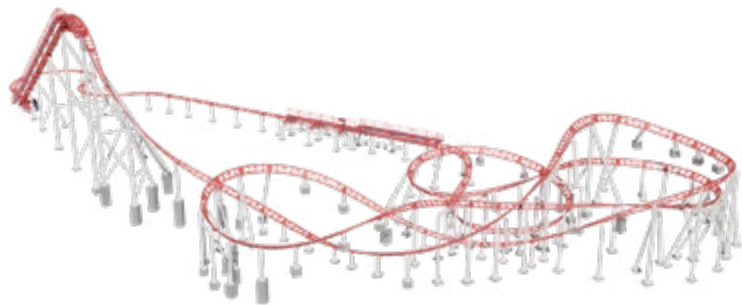
TAKE THE SCENIC
ROUTE WITH
YOUR FAMILY!

FEATURES

- High Capacity Train for Maximum Throughput
- Lap Bar Restraint for Ultimate Freedom
- Layouts Can be Designed to Fit Your Theming
- Lift System with Silent Anti-Rollback



MINE TRAIN 2000



MAXIMUM HEIGHT	83.8 ft (25.54 m)	 1020 pph  44 mph (70 km/h)  1975 ft (602 m)
FOOTPRINT	220 x 485 ft (67 x 148 m)	
NUMBER OF TRAINS	2	
PASSENGERS PER TRAIN	22	
MIN RIDER HEIGHT	42 in (1.1 m)	



SCREAMIN' SWINGS





LET YOUR INNER CHILD SOAR!

For everyone who ever dreamed of swinging higher at the playground, the Screamin' Swing is here! With several capacity options, small footprints, and low maintenance costs, this ride is the perfect addition to any park. Customizable thrill levels ensure that guests of all ages will enjoy the ride, and every inner child can soar!

FEATURES

- Several Capacity and Footprint Options to Suit Your Needs
- Unparalleled Airtime
- Low Operating and Maintenance Costs
- Customizable Thrill Levels to Accommodate All Ages



40-SEAT



DYNAMIC HEIGHT	132 ft (40 m)	 1200 pph  68 mph (110 km/h)  105 ft (32 m)
FOOTPRINT	73 x 101 ft (22 x 31 m)	
NUMBER OF CARTS	2	
PASSENGERS PER CART	20	
MIN RIDER HEIGHT	48 in (1.2 m)	



32-SEAT



DYNAMIC HEIGHT	85 ft (26 m)	 640 pph
FOOTPRINT	66 x 70 ft (20 x 21 m)	
NUMBER OF CARTS	2	 45 mph (72 km/h)
PASSENGERS PER CART	16	
MIN RIDER HEIGHT	48 in (1.2 m)	 64 ft (20 m)

16-SEAT SWING



DYNAMIC HEIGHT	78 ft (24 m)	 460 pph  45 mph (72 km/h)  62 ft (19 m)
FOOTPRINT	47 x 69 ft (14 x 21 m)	
NUMBER OF CARTS	2	
PASSENGERS PER CART	8	
MIN RIDER HEIGHT	48 in (1.2 m)	

4-SEAT SWING



DYNAMIC HEIGHT	81 ft (25 m)	 120 pph  40 mph (64 km/h)  62 ft (19 m)
FOOTPRINT	25 x 78 ft (7 x 24 m)	
NUMBER OF CARTS	1	
PASSENGERS PER CART	4	
MIN RIDER HEIGHT	48 in (1.2 m)	

8-SEAT SWING



DYNAMIC HEIGHT	81 ft (25 m)	 240 pph  40 mph (64 km/h)  62 ft (19 m)
FOOTPRINT	33 x 78 ft (10 x 24 m)	
NUMBER OF CARTS	2	
PASSENGERS PER CART	4	
MIN RIDER HEIGHT	48 in (1.2 m)	

JR SWING



DYNAMIC HEIGHT	12 ft (4 m)	 384 pph  24 mph (39 km/h)  23 ft (7 m)
FOOTPRINT	34 x 22 ft (10 x 7 m)	
NUMBER OF CARTS	1	
PASSENGERS PER CART	8	
MIN RIDER HEIGHT	36 in (0.9 m)	

TOWERS



LAUNCH YOUR PARK TO NEW HEIGHTS!

Our Tower Rides are designed to elevate thrills to new heights. Guests will be enthralled by the breathtaking positive and negative G-force sensations. With a minuscule footprint, multiple operation sequences, and heights ranging from 16 feet (5 meters) to 475 feet (145 meters), S&S Tower Rides are the perfect fit for every park.

FEATURES

- Customizable Height and Vehicle Capacities
- Multiple Operation Sequences Available
- Miniscule Footprint
- Patented and Proven Air Launch Technology



EXCITEMENT AT EVERY HEIGHT



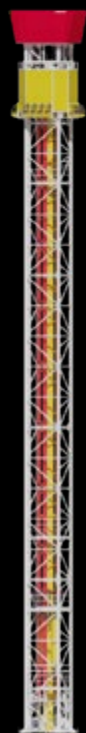
FROG HOPPER



80' DOUBLE SHOT



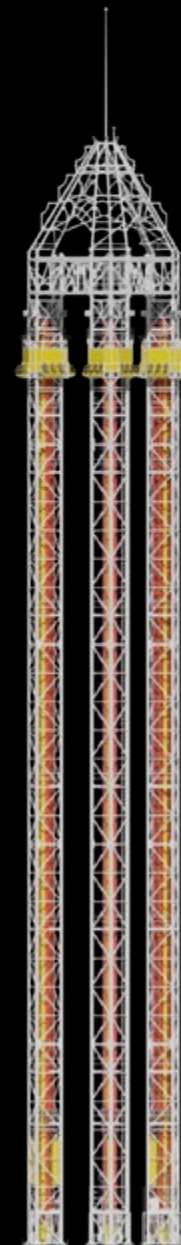
120' DOUBLE SHOT



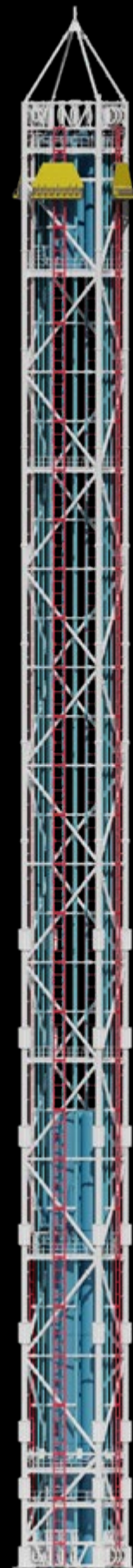
189' COMBO



213' COMBO

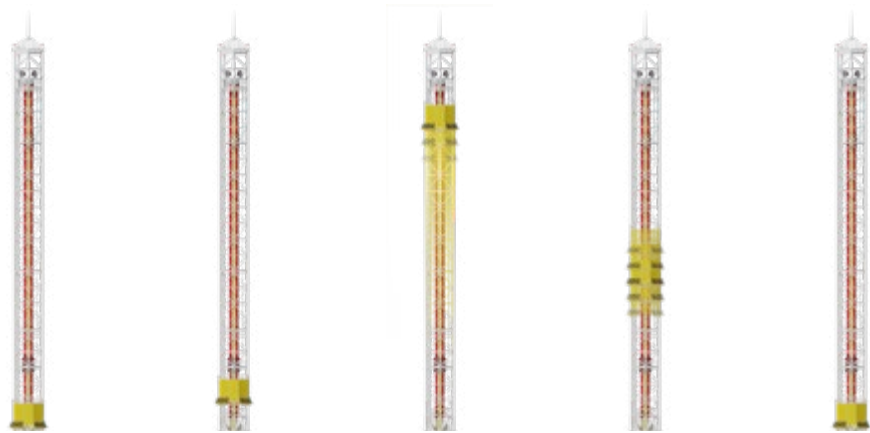


300' TRIPLE TOWER

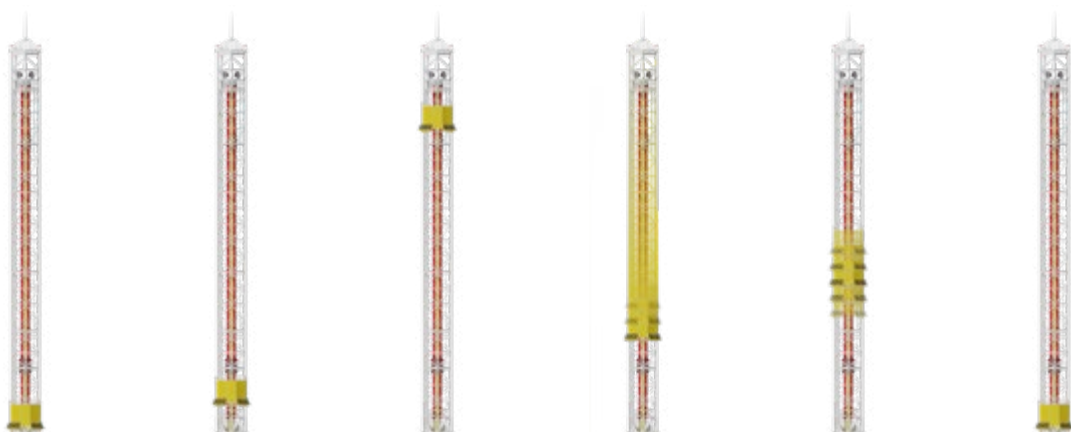


400'+ STRATA TOWER

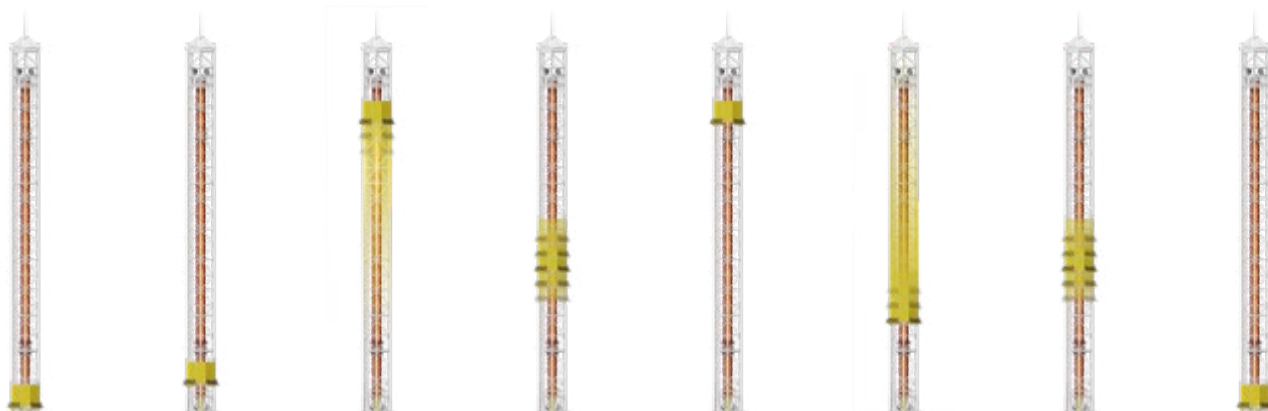
SPACE SHOT TOWER RIDE SEQUENCE



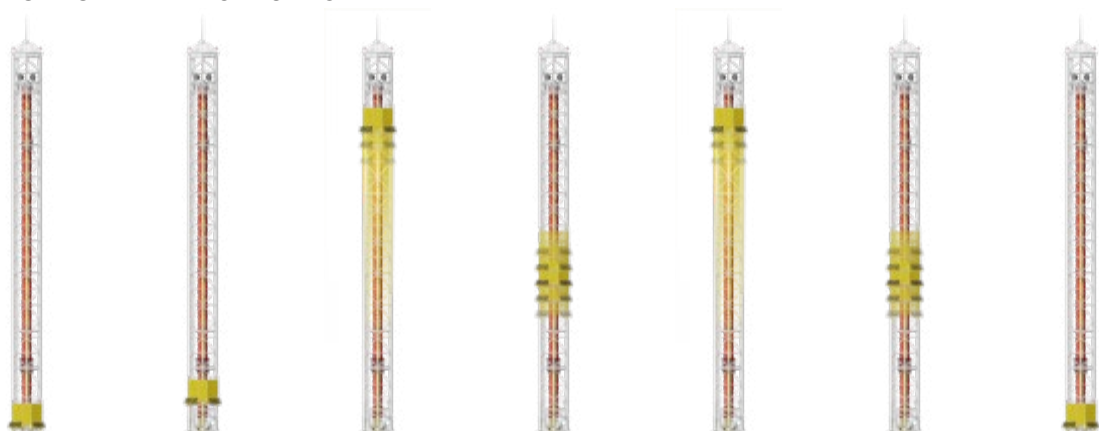
TURBO DROP TOWER RIDE SEQUENCE



COMBO TOWER RIDE SEQUENCE



DOUBLE SHOT TOWER RIDE SEQUENCE



80’ DOUBLE SHOT



360 pph



45 mph (72 km/h)



80 ft (24 m)



THRILL SCALE

FOOTPRINT	26 x 26 ft (8 x 8 m)
NUMBER OF CARTS	1
PASSENGERS PER CART	12
MIN RIDER HEIGHT	48 in (1.2 m)

185’ SPACE SHOT



360 pph



39 mph (62 km/h)



185 ft (58 m)



THRILL SCALE

FOOTPRINT	26 x 26 ft (8 x 8 m)
NUMBER OF CARTS	1
PASSENGERS PER CART	12
MIN RIDER HEIGHT	48 in (1.2 m)

120’ DOUBLE SHOT



360 pph



45 mph (72 km/h)



120 ft (37 m)



THRILL SCALE

FOOTPRINT	26 x 26 ft (8 x 8 m)
NUMBER OF CARTS	1
PASSENGERS PER CART	12
MIN RIDER HEIGHT	48 in (1.2 m)

189’ COMBO



360 pph



36 mph (59 km/h)



189 ft (58 m)



THRILL SCALE

FOOTPRINT	29 x 29 ft (9 x 9m)
NUMBER OF CARTS	1
PASSENGERS PER CART	16
MIN RIDER HEIGHT	48 in (1.2 m)

213' COMBO



400 pph



45 mph (72 km/h)



213 ft (65 m)



THRILL SCALE

FOOTPRINT	31 x 31 ft (9 x 9 m)
NUMBER OF CARTS	1
PASSENGERS PER CART	20
MIN RIDER HEIGHT	48 in (1.2 m)

400'+ STRATA TOWER



620 pph



60 mph (97 km/h)



400+ ft (122 m)



THRILL SCALE

FOOTPRINT	59 x 59 ft (18 x 18 m)
NUMBER OF CARTS	4
PASSENGERS PER CART	8
MIN RIDER HEIGHT	48 in (1.2 m)

300' TRIPLE TOWER



900 pph



42 mph (67 km/h)



260 ft (80 m)



THRILL SCALE

FOOTPRINT	26 x 26 ft (8 x 8 m) per leg
NUMBER OF CARTS	3
PASSENGERS PER CART	12
MIN RIDER HEIGHT	48 in (1.2 m)

FROG HOPPER



280 pph



3 mph (5 km/h)



16 ft (5 m)



THRILL SCALE

FOOTPRINT	21 x 13 ft (6 x 4 m)
NUMBER OF CARTS	1
PASSENGERS PER CART	7
MIN RIDER HEIGHT	36 in (0.9 m)

CREATE YOUR OWN THRILL

1. SELECT A HEIGHT
2. PICK YOUR CAPACITY
3. SPECIFY NUMBER OF TOWERS
4. PREFERRED RIDE SEQUENCE
5. CHOOSE YOUR THEME



RIDE SERVICES



CUSTOMERS ARE OUR TOP PRIORITY!

We are committed to keeping your rides running smoothly! Wherever you are in the world, our service technicians are available 24-hours a day to help. By utilizing our remote diagnostic system, many issues can be resolved quickly and efficiently. Our customer service team is happy to quickly assist you when ordering spare parts to keep your rides operating.

OUR RIDE SERVICES INCLUDE:

- Annual Inspections
- Annual Ride Tune-Ups
- Valve Calibration
- Maintenance and Operation Training
- Spare Parts for Both S&S and Arrow Rides
- Vehicle Rebuilds/Upgrades
- 72-Hour Rapid Response Team

SERVICE HOTLINE:
+1.435.787.6342
parts@s-s.com

NOTES



Handwriting practice lines on page 90. The page contains 20 horizontal lines, each consisting of a solid top line, a dashed midline, and a solid bottom line.

Handwriting practice lines on page 91. The page contains 20 horizontal lines, each consisting of a solid top line, a dashed midline, and a solid bottom line.



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