

**THE WORLD'S FIRST**

# Air-Launched Coaster

# THRUST AIR 2000™

## Over The Top Excitement

New from S & S Power, Inc., this is the world's first air-launched coaster. A smooth, unforgettable experience, the Thrust Air 2000™ launches riders from 0-70 m.p.h. (112 k.p.h.) in just under 2.0 seconds.

With a decisive 110' (33.5 m) horizontal launch propelling the coaster up a 90 degree vertical track, riders are exposed to a 4-G rush. Rapid yet smooth, the coaster crosses a top span and quickly rolls down a 90 degree vertical freefall. After the bottom transition, riders decelerate into a banked turn, delivering more adrenaline-charged excitement, before returning to complete the circuit.

Quiet, energy efficient, and cost effective the Thrust Air 2000 is a low-maintenance coaster. Specially designed I-Beam rails, pneumatic tires and shock absorbers provide a smooth passenger experience beyond extraordinary. The park-crowning 165' (50.3 m) bridged tower generates high-impact park visibility, ride curiosity, and new coaster excitement.

The sky is the limit with the Thrust Air 2000. The air-launch innovators at S & S Power, Inc. can configure unique coaster circuits and custom coaster themes for any park and ride location.

## THRUST AIR 2000™ 8-seat Coaster

**p/h** maximize the ride cycles  
**People Per Hour**

<b>3 - Trains</b>	<b>720</b>
<b>4 - Trains</b>	<b>960</b>

### GENERAL SPECIFICATIONS

#### Passenger Restrictions :

- Riders must be at least 52" (132 cm) tall
- Riders must fit properly in the restraints

**Coaster Speed :** ±70 m.p.h. (112 k.p.h.)

**Track Length :** ±1800' (548 m)

#### Number of Trains :

- 3 - with 8 passengers each
- 4 - with 8 passengers each

**Theoretical Capacity :** 720 p.p.h. with 3 trains | 960 p.p.h. with 4 trains

**Lift Height :** dependent on coaster design

**Lift Gradient :** dependent on coaster design

**Tower Height :** 165' (50.2 m)

**Ride Control System :** Allen-Bradley controllers

**Brakes :** pneumatic, caliper style

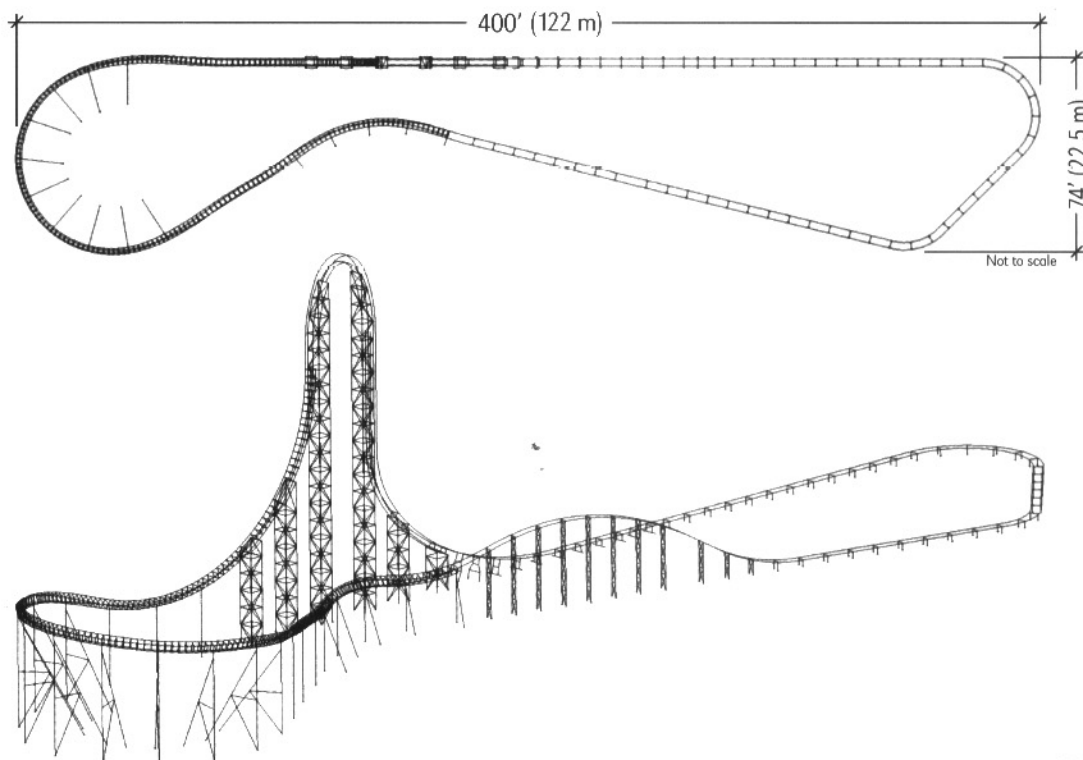
**Standards :** pneumatic tires, pneumatic launch system, vehicle weighing system

Note : Custom design coasters will be discussed upon request and technical specifications will vary based upon final design.

### DRAWINGS FOR FOOTPRINT

The drawing below depicts the Thrust Air 2000 footprint.

- 400' length x 125' width x 165' height. (122 m x 38.1 m x 50.2 m)



All S & S Power, Inc. rides meet and/or exceed ASTM standards.

