



# Infinity Coaster

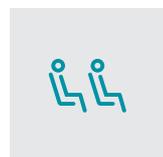


Intensity 

## Endless Fun in Combination with Innovative Technology

No other roller coaster offers such endless possibilities as the Infinity Coaster. From classic airtime layouts with a chain lift to inverting experiences as a multi-launcher – there are no limits for the Infinity Coaster.

Not only do the vehicles offer maximum comfort, smoothness and flexible customization options, but also the layout can be designed with special elements like vertical lifts, launches, switch tracks and rotating platforms to create a unique experience.



8 - 32  
Seats



Up to  
140 km/h



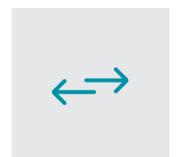
Up to  
5.5 g



Inversions  
possible



Launch  
possible



Forward &  
Backward



## VEHICLES

The vehicles of the Infinity Coaster are state-of-the-art. They maneuver through small curve radii and master high speeds with exceptional smoothness. Single vehicles offer space for 8 people and can be connected to form a train for up to 32 people.

The tripartite seating concept with its elevated seating position offers passengers a secure hold and maximal

comfort – floorless feeling inclusive! Regardless of the layout, continuously adjustable lap restraints as well as classic shoulder restraints can be used.

In addition to the customizable appearance, the vehicles can be equipped with interactive ride direction voting, on-board sound as well as lights, providing not only a high-thrill, but also a high-tech immersive experience.

## ACCELERATION

With a chain lift, the train takes every imaginable slope towards the first drop, allowing both inclined and vertical lifts to be easily integrated into the layout. All chain lifts are equipped with a Gerstlauer-developed magnetic and silent rollback safety system enabling to lower the train without power or even providing a reverse free fall experience on each round.

In addition to the classic chain lift, passengers can also be accelerated into the layout by an LSM launch, with single as well as pendulum and multi-launches possible.

Thanks to the modular vehicle concept, all systems can be combined in one layout, ensuring that there are no limits to the fun.



## SPECIALS

With the ability to ride forwards and backwards, the Infinity Coaster not only offers the greatest potential for varied fun, but also shuttle layouts and layouts including open track ends are possible.

Optional special elements provide a unique experience and can be combined individually, such as:

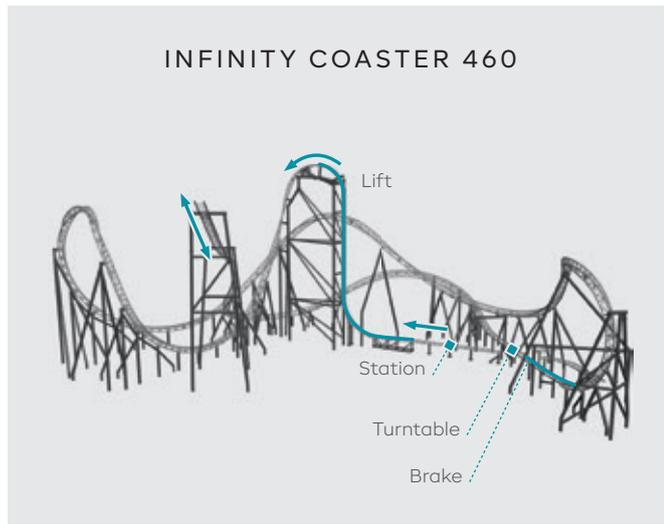
- Vertical and Inclined Lift
- LSM-Launch
- Beyond 90° Drop
- Reverse Free Fall (at the Lift)
- Holding Brake at the First Drop
- Rotating Platform
- Switch Track
- Open Track End

## TECHNICAL DETAILS

To ensure safe operation and efficient maintenance, the Infinity Coaster comes with many features that allow an easy handling of the attraction, such as:

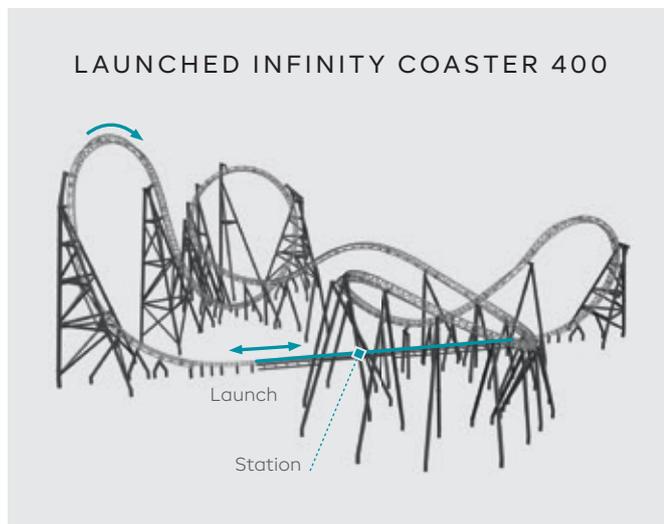
- State-of-the-Art safety PLC
- Operator panel incl. color touch screen
- Suspended running wheels with large diameter
- Easily adjustable side and upstop wheels with adjustable suspension
- Wear-free magnetic brakes
- Contact-free acceleration by linear synchronous motors
- Silent magnetic rollback safety system for chain lifts
- Possibility to reverse the chain lift for lowering the train or reverse free fall effect





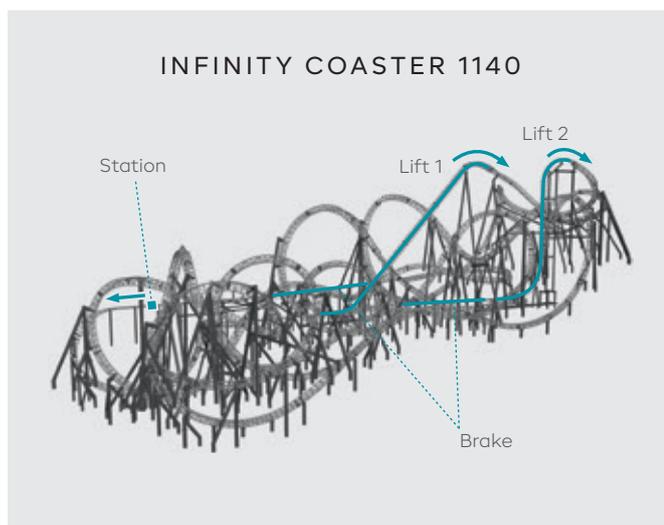
<b>31 m</b> 102 ft	<b>84 km/h</b> 53 mph	<b>460 m</b> 1509 ft
Height	Speed	Track Length

Area	83 x 55 m / 272 x 180 ft
Experienced Track Length	580 m / 1903 ft
Vertical Acceleration max.	4.4 g
Vertical Acceleration min.	-0.9 g
Inversions	3
Trains (12 persons)	2
Capacity	600 pph
Connected Load	210 kW



<b>32 m</b> 105 ft	<b>90 km/h</b> 56 mph	<b>400 m</b> 1312 ft
Height	Speed	Track Length

Area	78 x 66 m / 256 x 216 ft
Experienced Track Length	620 m / 2034 ft
Vertical Acceleration max.	4.4 g
Vertical Acceleration min.	-0.7 g
Inversions	2
Trains (20 persons)	1
Capacity	800 pph
Connected Load	1500 kW
with energy storage	300 kW



<b>35 m</b> 115 ft	<b>85 km/h</b> 53 mph	<b>1140 m</b> 3739 ft
Height	Speed	Track Length

Area	120 x 50 m / 394 x 164 ft
Vertical Acceleration max.	4.6 g
Vertical Acceleration min.	-0.9 g
Inversions	14
Trains (16 persons)	5
Capacity	1200 pph
Connected Load	400 kW

All figures are approximate. Design and specifications are subject to change.

Individual and customized layouts upon request.

Picture credits: 1, 2, 3, 5: J. Omonsky | 4: HANSA-PARK | 6: KCL