



RACING COASTER

Take a ride to a new dimension.

MAURER SÖHNE
forces in motion



Since 1876

STOP

hesitating.

START

racing.



The dashboard graphic features several elements: a central speedometer with a needle pointing to 62 MPH and a digital display of 0.00215; a tachometer at the top left; a fuel gauge at the top right; a bar graph at the bottom left showing a value of 0.3; and a waveform indicator at the bottom right showing a value of 110%.

THE TOTAL RACING EXPERIENCE

- The ultimate race is on!
- Breathtaking acceleration
- Extreme 1.2-G-turns
- Top speed: 0-100 km/h (0-60 mph) in 3 seconds

LOSE

yourself.

WIN

the race.



THE FIRST RACING COASTER

- Drivers — prepare to do battle!
- Launch, brake, turn, accelerate
- Every split second counts.
- Who will cross the line first?

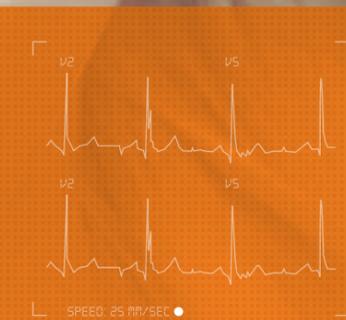
IN

for round two.



OUT

with the family.



A UNIQUE FAMILY EXPERIENCE

- It's brother against sister
- Or mum versus dad
- Race, win, celebrate!
- Fun for all generations





FACTS

Racing Coaster by MAURER



THE RACE IS ON

THE RUSH OF ADRENALIN. The thrill of the chase. With your heart beating faster, you fasten your seat belt ...

Prepare to experience the exhilarating speed and total excitement of racing for yourself. MAURER has created the ultimate coaster, taking you on an extraordinary, hair-raising journey into the world of motor sports. Accelerate, brake, and twist and turn around the track – but watch out: your opponent is hot on your heels.

It's fast and furious fun for the whole family. And by teaming up with a leading automotive brand or other partner, you can give this exceptional ride even greater appeal. With a host of customisation options for the cars, it's the perfect opportunity to spotlight a brand name, and generate added interest and revenue.



FERRARI F430

CONCEPT CAR

SIDE VIEW

FRONT VIEW

SIDE VIEW



SIDE VIEW

FRONT VIEW

SIDE VIEW



HIGH-SPEED DEVELOPMENT AND DEPLOYMENT



An idea is born
Using sophisticated CAD technology and advanced simulation, our engineers can give you a realistic taste of what the ride will look like in real life.



Clay model
Engineers construct a scale clay model (scale 1:4) to demonstrate the components of the car. At this stage, modifications can still be made to the design.



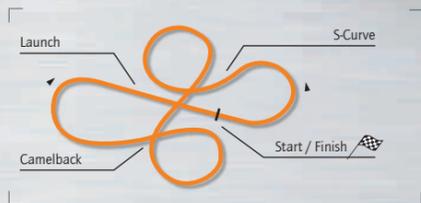
Mock-up
Using a mock-up, a mould is constructed and a gel coating injected to create a car. Then, layers of fibreglass in resin are built up to the required thickness.



The real thing
Finally, the track is built and the cars are manufactured for real. All mechanical and electrical components are installed. Now, the ride is ready for testing and the production process is complete.



MAXIMUM FLEXIBILITY, MAXIMUM ENJOYMENT



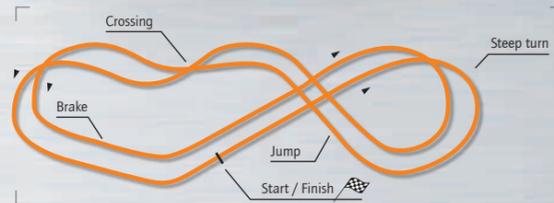
BASED ON EXTENSIVE EXPERIENCE in the world of amusement rides, MAURER has developed an innovative, versatile and family-friendly attraction that can be tailored to your specific needs and preferences.



With multiple options for track layout, the racing coaster can be constructed to meet a variety of space requirements and constraints. It offers a unique non-looping roller coaster experience that lets passengers taste the thrill of motor sports – rapid acceleration, hairpin bends, sudden braking – with accelerations parallel to those felt by Formula One drivers. Like all our rides, it complies with the highest international safety and quality standards. Contact-free linear synchronous motor (LSM) technology enables fast acceleration and high-speed enjoyment, while minimising maintenance effort and cost. Sophisticated energy-storage systems ensure maximum efficiency and low power input. A portion of the energy required for launch can be recovered by the train as it races around the track.

But that's not all: The Flying Launch has a special feature. The operator can accelerate the train through the station for an additional round. In the final round, the train flies through the station one last time before slowing down in the launch track and being pulled smoothly back to the station. What's more, the braking energy is recovered and transformed into power for the next launch.

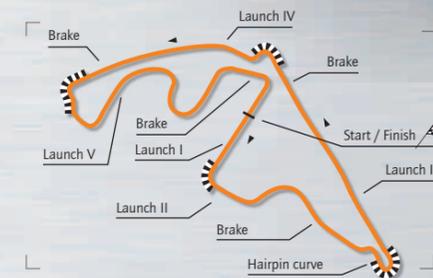
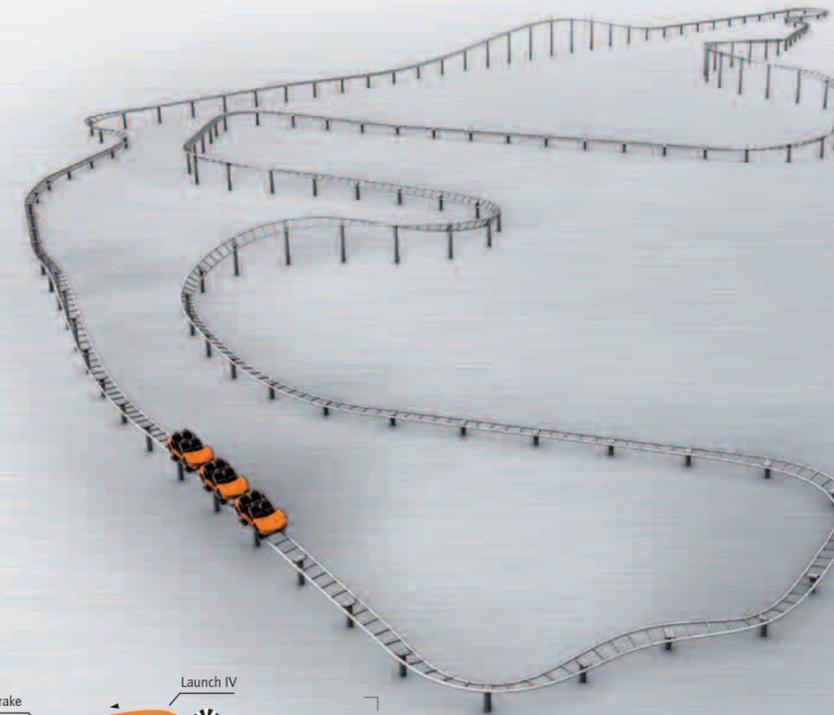
MAURER's comprehensive engineering expertise, supported by partnerships with research institutes, universities, and independent trend scouts, ensure that MAURER is always at the cutting edge of its industry – and well ahead of the competition.



MÖBIUS TRACK

Neck and neck: Race side by side and cross paths even though you are on one continuous track.

- Length: 400 m (1312 ft)
- Vmax: 55 km/h (35 mph)
- Launch sections: 2 LSM
- Train: 2 x 12 people
- Braking sections: 2
- Capacity: 720 people per hour



RACING TRACK

Lap after lap: You can feel like a true racing pilot as you twist and turn on a track designed to resemble the Yas Marina Circuit in Abu

- Length: 720 m (2362 ft)
- Vmax: 80 km/h (50 mph)
- Launch sections: 5 LSM
- Train: 2 x 12 people
- Braking sections: 4
- Capacity: 900 people per hour

FLYING LAUNCH

High speed chase: your opponent is never far behind as you fly right through the station and launch around the track once again.

- Length: 260 m (853 ft)
- Vmax: 65 km/h (40 mph)
- Launch sections: 1 LSM
- Train: 1 x 12 people
- Braking sections: 0
- Capacity: 576 people per hour



FERRARI WORLD
ABU DHABI
FIORANO GT CHALLENGE



IN THE FAST LANE



THE MAURER RACING COASTER is already blazing a trail in the brand new Ferrari World Abu Dhabi theme park on Yas Island.

➤ The entire park is a sequence of superlatives: it's the world's largest indoor amusement centre, and features the first roller coaster in the Middle East to simulate a race: the Fiorano GT Challenge. The attraction, designed and built by MAURER, is destined to be a real crowd puller. The cars complete the 1,050 metre course at top speed – passengers can look forward to

rapid acceleration, daring braking manoeuvres, and a sprint to the finish. Racing fans of all ages can speed around the track at up to 100 km/h (60 mph). Each of the two tracks features four LSM launch tracks for powerful propulsion. Four magnetic brakes on each track decrease the speed right before of the hairpin bends – before the mini Ferraris prepare to give their all on the home stretch.

TECHNICAL SPECIFICATIONS

- Capacity: 2 x 600 people per hour
- Length: 2 x 1,050 m (3440 ft)
- Height: 13 m (43 ft)
- Drives: 2 x 4 LSM launch tracks
- Magnetic brakes: 2 x 4
- Safety brakes: 2 x 1
- Vmax: 100 km/h (60 mph)
- G-Forces (launch): 1 g
- G-Forces (lateral): 1.5 g
- Max. acceleration (brakes): -1.5 g
- Ride time: 90 sec
- Number of trains: 4 trains
- Number of cars per train: 3

