RACING COASTER

Take a ride to a new dimension.
STOP
hesitating.

START
racing.

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

LOSE yourself. WIN the race.

THE FIRST RACING COASTER
- Launch – prepare to do battle!
- Launch, brake, turn, accelerate
- Every split second counts
- Who will cross the line first?
It's brother against sister
Or mum versus dad
Race, win, celebrate!
Fun for all generations

A UNIQUE FAMILY EXPERIENCE
- Action-packed fun
- A unique experience
- For all ages
- Unforgettable
Prepare to experience the exhilarating speed and total excitement of racing for yourself. MAURER has created the ultimate coaster, taking you on an extraordinary, heart-racing 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 uniting up with a leading automotive brand or other partner, you can give this exceptional ride an additional edge. 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.

THE RUSH OF ADRENALIN: The thrill of the chase. With your heart beating faster, you fasten your seat belt …
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 a wide range of features, the racing coaster can be constructed to meet a variety of space requirements and customer demands. It offers a unique merging of technology and aesthetics, providing guests with an unforgettable experience that meets the needs of modern 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, with minimal 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.
IN THE FAST LANE

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 accelerations during braking manoeuvres, and a sprint to the finish. Racing fans of all ages can speed around the track; all 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 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 (3,440 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