

**Orlando, MAURER RIDES receives IAAPA Award
Best New Product 2017 "for the Spike® Racing Coaster**

The Munich-based company Maurer Rides GmbH has once again set new standards in the leisure attraction industry. The judges of the International Association of Amusement Parks and Attractions (IAAPA) was impressed by the new development of the Spike® Racing Coaster and awarded the coveted Brass Ring AWARD of the "BEST NEW PRODUCT" to Maurer Rides at this year's IAAPA Show in Orlando. The Spike® Coaster developed several innovations that could change the roller coaster industry.

Plan unlimited: Spike® Racing defies the normal limits experienced by conventional roller coasters due to gravity. The historical limits imposed by the complex interaction between potential and kinetic energy are completely suspended with Spike®'s driving force. 100% traction allows for propulsion exceeding 1g. This is a dream come true for designers and amusement park planners: complete freedom when designing track layouts and ride elements. Energy potential, block braking sections, and necessary straight stretches for propulsion systems no longer play a role for the layout. The sky's the limit — independent of physics and technology.

Interactivity: The passenger sitting in front decides whether and when he wants to accelerate or not. Guests can interactively influence the ride with the throttle grip of a motorcycle. An additional boost function, whose "fill level" is shown on a display in the vehicle, can be used for an additional kick. Even in the curves, you can accelerate individually, while in the control unit a minimum and maximum speed has been stored for each position on the track, in order to maintain maximum speeds in the curves on the one hand and to guarantee a minimum person throughput per hour on the other.

Power: The vehicle's own drive with a torque of 1050Nm can accelerate the vehicle up to 1.2g. This is made possible by the patented gear drive. The power of the drive is transmitted without slippage and with a high degree of efficiency via the gearwheel to the rack mounted on the rail. The vehicle is powered by a conductor rail attached to the track.

Seat position: A special feeling of freedom is created by the open seating position as on the motorcycle. The minimisation to the essentials and the immediate sitting position on the rail gives the passenger the feeling of merging with the railways.



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Restraint system: Maximum driving comfort and unsurpassed freedom of movement is achieved by the patented belt restraint system, in which a hip belt is sufficient for complete personal safety. The restraint system meets the highest safety standards and is certified by TÜV-Süd. The innovative webbing provides reliable protection against vandalism, dirt and moisture.

Design: The futuristic-looking design emphasizes the following of motorsport with its racy edges and forms and at the same time signals its unique position. The powerful front bonnet embodies both tractive power and protection against the concentrated acceleration of this bike. In addition, there is the lowest seat position ever achieved on roller coasters, the splint between the legs and a feeling of freedom similar to that of a motorcycle. Pure energy "cannot be experienced more intensively."



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