



MAURER X-Car FlyingLaunch



Major fun on a minor footprint

MAURER SÖHNE
forces in motion



Since 1876



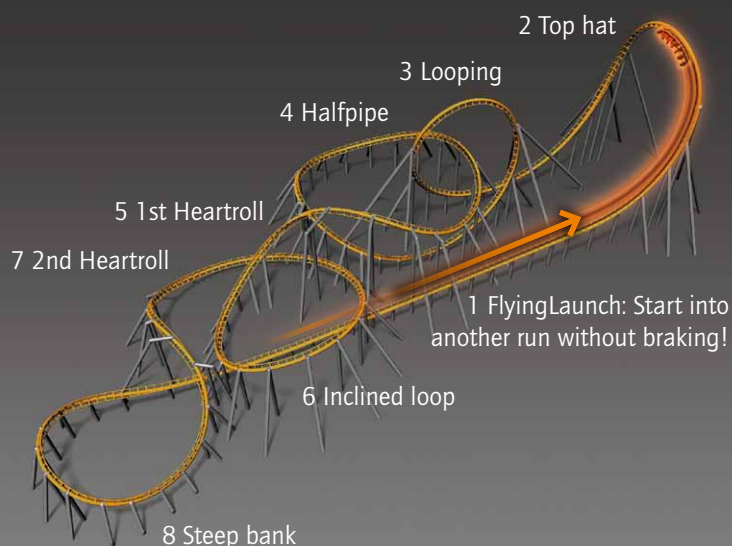
Major fun on a minor footprint

MAURER FlyingLaunch, that means extremely compact yet highly dynamic layouts due to the dual usage of a state of the art linear synchronous motor (LSM) as both drive and brakes. It also means the possibility of sending passengers into another run without slowdown or stopping, thus creating the aptly named "flying" launch experience.

With common roller coasters, all of the energy not consumed by friction is finally lost in the brakes. In contrast and as a world first, MAURER's new technology is able to recover 50% of the expended energy and store it in supercapacitors – only to use it again for the next start. This makes FlyingLaunch probably the greenest launch coaster currently available. Sustainability and the joy of riding finally go hand in hand with this integrative design combining station, launch and brakes in one high-tech yet low-maintenance assembly.

X-Car FlyingLaunch

- Type: X-Car FlyingLaunch Coaster
- Number of cars: 2 X-Cars coupled to 1 tandem, 6 persons per Car
- Capacity: 600 - 700 pph
- Max. speed: 80 km/h (50 mph)
- G-forces: min = -0,6 g; max = +4,4 g
- Base area: 110 x 50 m (350 x 160 ft)
- 4 full inversions, 3 upside down positions (> 90°)
- GreenCoaster® due to energy recovery system



The first installation worldwide featuring a FlyingLaunch is being built at Bayern-Park near Munich and will attract thrill seekers around Bavaria and far beyond as of Spring 2011. Then MAURER's approved X-Car will fly through a series of smoothly strung ride elements featuring ample g-forces, an astonishing 4 full inversions (maximal banking of 180°) and 3 upside down positions (maximal banking greater than 90°). Be prepared for Germany's most extreme launch coaster!



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