

# MEASURING THE THRILL IN AMUSEMENT PARKS

**interface**  
FORCE MEASUREMENT SOLUTIONS.

*Interface supplies amusement parks and makers of rides and attractions with load cells, torque transducers, mini load cells, instrumentation, and wireless telemetry systems. This hardware is utilized during initial prototyping, structural testing, and continuous operational monitoring for amusement parks rides, inflatables, simulations and motion attractions. By embedding Interface's sensors into critical mechanical intersections, like roller coaster chassis, passenger restraints, and robotic limbs, park maintenance teams can catch structural strain, tool fatigue, and friction early, ensuring seamless operation and strict compliance with global safety standards.*

Consumers are attracted to amusement parks. The market is projected to expand steadily to \$117B by 2030 at a Compound Annual Growth Rate (CAGR) of 3.8%. While North America stood as the largest overall market region in 2025, Western Europe has emerged as the fastest growing region.

Amusement parks serve a wide demographic spanning all age groups. Most countries have regulation standards, such as OSHA, to ensure rides and equipment are safe. Using measuring technologies, including load cells and instrumentation, to continuously monitor performance provides additional safety necessary at the parks.

The amusement park industry growth is driven by adoption of smart park technologies and increasing investments in next-generation attractions. Additionally, operators are placing a heavy strategic focus on data-driven visitor experiences and sustainable park operations. Interface smart load cells, wireless telemetry systems, digital instruments and OEM solutions provide high-accuracy force, torque and weight data to achieve these growth strategies.

The global amusement parks market has a massive valuation of \$97.5B, demonstrating the scale of the industry that requires high-performance safety and engineering infrastructure to protect workers and park attendees.

To ensure structural safety and seamless operation in amusement venues, Interface provides sensor technologies for testing and integration. Our products are used in robotics, animatronics, displays, thrill rides, family and children rides, water features and more. If it moves, it must be measured with precision.



Sources:  
Grand View Research. (2026, March). Amusement parks market size, share | Industry report 2033 (Report No. GVR-1-68038-766-6). Grand View Research.  
IBISWorld. (2026, January). Amusement parks in the US market size statistics for 2026. IBISWorld.Mordor Intelligence. (2026, January). Amusement parks market size, share & 2031 industry report.  
Mordor Intelligence.Mordor Intelligence. (2026, February). United States amusement and theme park industry size and share. Mordor Intelligence.

[www.interfaceforce.com](http://www.interfaceforce.com)

