**Force & Motion Tire Testing System**

The Force & Motion system, on a rolling road platform, can perform parking forces, a one-of-a-kind capability used to accurately determine forces encountered by the tire during parking or similar events. This capability was designed to provide the customer a tool for accurately predicting the forces applied to the tire, suspension and steering mechanisms during the most extreme conditions of operation.

**Key Features**

* Force and Moment Measurements
* Turn-key Testing Services
  + MF 5.1, 5.2, 6.1, 6.2 model generation
  + MF-Swift models
* Static Stiffnesses
* Tire surface temperatures
* Rolling Radius
* Parking Forces
  + Dynamic scrub radius
  + Dynamic inclination angle
  + Virtual, dynamic kingpin orientation
  + Braked or Free-Rolling