



Quanser Active Suspension

Active Suspension consists of three masses that are mounted along stainless-steel shafts using linear bearings and is supported by a set of springs. The upper mass (blue) represents the vehicle body supported above the suspension, the middle mass (red) corresponds to one of the vehicle's tires, and the bottom (silver) mass simulates the road. The upper mass is connected to a high-quality DC motor through a capstan to emulate an active suspension system that can dynamically compensate for the mot...

Specifications:

- Dimensions: 30.5 x 30.5 x 61 cm, 15 kg
- 3 encoders to measure the position of the masses
- Accelerometer with a sensitivity of 9.81 m / Vs²
- 70W road profile simulating motor
- 226W active stifle motor
- Compatible with NI LabVIEW and Matlab/Simulink
- Comprehensive educational materials are included
- Open architecture allows to create custom control algorithms