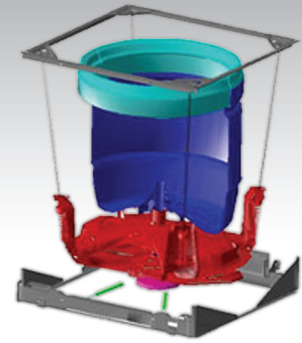


# Washing Machine Suspensions



Within a washing machine, the suspension system is what mounts most of the components within the housing. This includes the tub and, often, the motor and drive system. The suspension is responsible for preventing these components from impacting the housing during wash and spin cycle events and for preventing the entire machine from “walking” across the floor due to vibrations from an unbalanced load. Primary configurations have the tub oriented either along a vertical axis, for top loading machines, or a horizontal axis, for front loading machines.

## Challenges

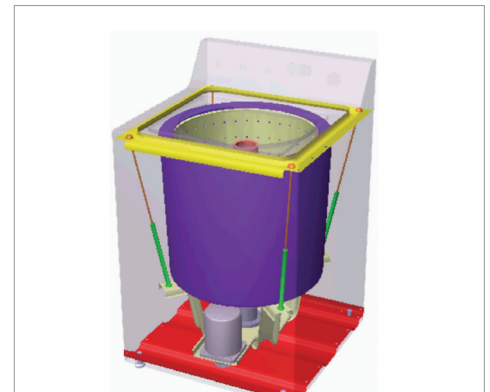
- Mitigation of vibration from unbalanced load
- Component durability
- Rapid assessment of numerous design variations

## Why Adams?

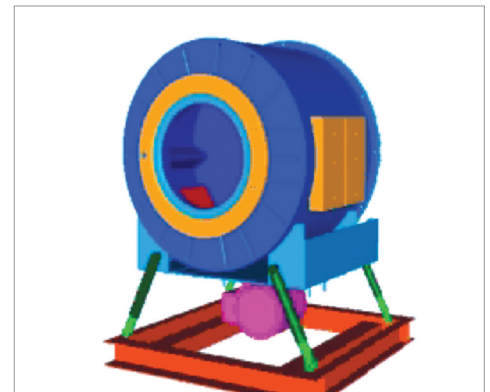
- Sophisticated representations for compliant components
- Most accurate dynamic loads prediction capability
- Integrated design study and DOE capability
- Widely trusted for years in the industry globally
- Check out Success Stories:
  - [Meccanica Generale VPD conference presentation](#)
  - [Sanyo VPD conference paper](#)
  - [Whirlpool success story](#)

## See Adams in Action

To schedule a demonstration with your local MSC technical representative, please click here:  
<http://pages.mscsoftware.com/ApplicationBriefContactMe.html>



Adams model of top-load commercial washer



Adams model of front-load industrial washer