2015 GEO Systems “Insight”  
4 Post 16 Axes Test System

Kinematics, and Dynamics  
Features and Functions

- Spherical multi-axis hub mount system
- Ease of loading and operation
- Chassis loading deflection
- 18” Aero loading range
- Suspension loading deflection
- 36” Vert. wheel travel range
- Customizable test inputs from RLD/Track data
- Position at force or force at position
- Relative center of spindle movement/change
- Coil bind positions
- Bump steer, roll steer and axle steer
- Flexible wheel base & track
- Component strain analysis
- Frictional loss and gain
- High speed data acquisition
- Component interference detection
- Data migration tools
- PC based control
- Video capture of motion and travels
- Multi-mode pre-defined tests
- Multi-axis tower float
- Remote control and remote data access

- **Dynamic vehicle constraint/loading** (manipulating the vehicle roll, attitude, and aero influences)
- **Fingerprint** (capturing 3 dimensional print of all the vehicles critical pivot points, connection points commonly know as “pickup points” relative to a known designated XYZ reference point)

No outdated hydraulic systems utilized

ahead in every measurable way