

Tire & Tire Component Testing & Development

Tire Testing

- Level I Testing
- Regulatory Evaluations (TREAD Act)
 - FMVSS 109
 - FMVSS 119
 - FMVSS 139
 - Specialized Bead Unseating Test
 - Plunger Testing
 - Aging Evaluations
- Specialized Road Wheel Testing – Slip & Camber
- OEM Evaluations
 - Ford Specifications
 - GM IPR Specification
- Consumer Evaluations
 - Vibration Analysis
 - Tread Friction and Wear
 - Flat Spotting Test
- Innerliner Permeation Test on Whole Tire and Intercarcass Pressure Testing



Tire Component Testing

- Level II and Level III Testing
- FEA and Tire Specification Development
- Innerliner Permeation Test on Extracted Innerliners
- ARDL Benchtop Tire Traction and Wear Testing
- Belt Package Fatigue Life (S-N Curve)
- Life Prediction of Tire Belt Edge (U.S. Patent 7,249,497)

Advanced Research & Development

- Service Life Prediction of Tires and Tire Components
- Functional Testing Procedure Using Tire Sections for Failure Prediction
- Failure Analysis

