



ZF Test Systems

ZF Test Systems develops, produces, and retrofits test systems for on- and off-road mobility. As specialists for validation and development test facilities, we improve the quality of driveline, active chassis, tires, and wheels as well as brakes and thus contribute to enhanced safety and comfort for the driver. Besides that, we offer DC power electronics based on SiC for simulating and testing batteries.

For us, there is no conflict between well-proven technology and innovative solutions. Rather these are the recipe for a reliable, customized test rig technology exactly tailored to the customer's specific requirements. We see ourselves as a complete system supplier and problem solver; with the experience and creativity of our employees we understand the customer's needs and requirements and find the ideal solution together.

Driven by the force and competence of a globally active engineering group, we are developing solutions for future mobility and are prepared for the forthcoming requirements like autonomous driving and E-mobility. We recognize sustainable trends early and are providing our customers with solutions to secure competitiveness also in the future.



**Future Mobility.
Tested Now.**



ZF MOTI – Geometry measurement device based on Sheet-of-Light

ZF MOTI uses the same well-known software as installed on many other ZF EOL test benches. The system fits to most EOL tire measurement machines on the market and can be customized to fulfill customer needs. With ZF MOTI, it is possible to extend your testing capacity or replace any obsolete geometry system. It is delivered with its own switch cabinet and can be combined with an existing machine and run as a stand-alone unit.

Highlights ZF MOTI

- Fits for all machines on the market
- Sheet-of-light sensor for run out, bulge and depression measurement
- Ready for EasyTeach
- Customized algorithm
- High flexibility regarding customer demand
- Reliable Servo drives

Available Options

- Tire Circumference Measurement
- Additional Runout Tracks
- Tire Width Measurement



EasyTeach - Share teach data between test benches

- Provides the opportunity to share tire tracks and areas from your reference system to your plants - worldwide
- Reduces your teaching efforts to a minimum
- Secures your comparability over your portfolio
- Based on unified machine coordinate systems and exact transformation of 2D transforming matrices for rotation, scaling, and translation
- Available as an add-on to sheet of light based geometry system MOTI