



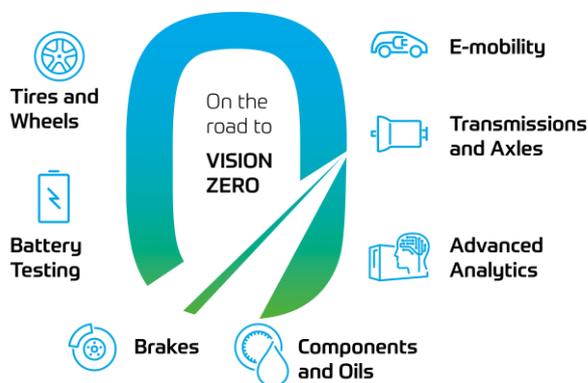
ZF Test Systems

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 – which contribute to enhanced safety and comfort for the driver. Additionally, we offer a broad portfolio to allow service providers and OEMs worldwide to certify their batteries for electric vehicles.

We are a complete system supplier and solution provider; with the experience to understand customers' needs and requirements and find the ideal solution together. Offering reliable, customized test bench technology, tailored to customers' specific requirements is our specialty.

Driven by the power and expertise of a leading global technology company, we are developing testing solutions for future mobility. With a product range from custom test stands to full production lines – and from electric vehicle and battery testing, to tires and wheels, ZF Test Systems has you covered!

Test Systems for



The new ZF Speed Change Tester (SCT)



The new speed change tester was developed for testing rotors of e-drives and hybrid drives under speed change load and defined temperatures. Afterwards, the test parts will be analyzed in detail regarding condition of the rotor and changes like deformation and widening of the winding.

Purpose of this test bench is use in R&D as well as for sample control in production.

Features:

- Based on well proven ZF Test System´s high-speed solutions for e-motor and gearbox testing
- Use of ZF TS drive i26 with 360 kW, 200 Nm, 0...26.000 rpm
- High dynamic drive (for example: rotor with 0.2 kgm² within 2.6 sec from 0 to 20.000 rpm)
- Fast and closed loop air heating system up to 230°C, with cooling possibility
- Test bench automation with our ZF Test Systems software ZF TS tescon or according to customer requirements



Highlights

- Special designed rotor installation fixture
- Temperature conditioned rotor bearings
- Patent pending high-speed rotor adaption
- Usable for wide range of rotor dimensions
- Short test runtimes and therefore lower operating cost