
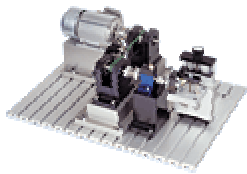



Test Benches

Torque Test Benches

Image	Range of Application	Technical Details
	Torque Testing System for Torque Transducers	Calibration of torque sensors. Measurement of torque and determination of the linearity deviation.
	Testing System for Torque and Angle of Rotation	Measurement of torque (e.g. 5 N·m) as a function of the angle of rotation (resolution up to 0.025°) Test Parameter: Current, Voltage, Temperature, Torque and Angle of Rotation
	Calibration System for Bottom Bracket Bearings	Calibration of torque sensors in bottom bracket bearings for bikes. Range up to 100 N·m at 150 min ⁻¹ . Measurement of torque, speed and angle impulses. Determination of the mechanical performance and the linearity deviation.
	Test Stand for the Determination of the Shearing Power	Measurement of torque and rotational angle of specimen. Determination of elastic strain and plastic deformation and the twisting angle up to shear off. Test stand with measured value storage database.
	Material Test Bench for Torque and Angle of Rotation	Measurement of torque and rotational angle of material samples. Determination of elastic strain and plastic deformation and the twisting angle up to breakage. Test facility with mechanical overload protection. Very high resolution of the rotational angle and adjustable sample rate.

Electric Motor Test Rigs

Image	Range of Application	Technical Details
	DC- Low-Voltage Motor Test Bench	Measurement of torque, number of revolutions, voltage and current, determination of the mechanical and electrical performance and the efficiency.
	Motor Test Rig	Measurement of torque / number of revolutions integrated inclusive intermediate gearbox, max. number of revolutions: 40000 min ⁻¹
	AC- Voltage Motor Test Bench	Measurement of torque, number of revolutions, voltage, current and temperature of the specimen, determination of the mechanical and electrical performance.

Image**Range of Application**

DC- Voltage Motor and Stepping Motor Test Bench

Technical Details

Measurement of torque, number of revolutions, voltage, current and temperature of the specimen, determination of the mechanical and electrical performance and the degree of efficiency.



DC- Motor Test Bench, Standardized Modular System

Measurement of torque, angle/ speed, voltage and current, determination of the mechanical and electrical performance and the efficiency. Inclusive software adaption to your project.



Universal Test Bench for Electric Motors

Measurement of torque, number of revolutions, friction torque, voltage, current and temperature of the specimen, determination of the mechanical and electrical performance and the degree of efficiency.

Force Test Stands**Image**

Spring Test Bench

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Technical Details

50 kN Test Bench for Measuring Tension and Compression Forces

Electromechanical drive via recirculating ball screw
 Maximum measuring force: 50 kN
 Maximum height of useable space: 350 mm
 Maximum useable space between the pillars: 300 mm
 Maximum traverse path: 200 mm



100 kN Test Bench for Measuring Tension and Compression Forces

Electromechanical drive via recirculating ball screw
 Maximum measuring force: 100 kN
 Maximum height of useable space: 500 mm
 Maximum useable space between the pillars: 260 mm
 Maximum traverse path: 250 mm

Automotive Test Rigs**Image**

Windshield Wiper Rods Testing Device

Testing Parameter: Force, Displacement, Torque and Angle

Technical Details

Friction Torque Test Rig

Testing Parameter: Torque, Rotational Angle, Temperature and Speed