

SPECIAL SENSORS

► MBB-02 FORCE SENSOR



FEATURES:

- Nominal Range: 0.01 N to 5 N
- Combined Error: 0.1% – 0.2%
- Admissible Overload: 200% – 2500%
- Overload at Rupture: 1500% – 15 000%
- Impedance: 750 Ω
- Operating Temperature: +15 °C to +30 °C
- Output Signal: 4 to 40 mV/V
- Protection Class: IP42
- Sensor Power Supply: 5 - 12VDC
- Material: aluminum

► REACTION TORQUE SENSOR



FEATURES:

- Nominal Torque 0.7 N·m
- Precision 0.5 %
- Torque measurement of wrench calibration device
- IP 40

For over 50 years, Magtrol has been providing customers with high quality products to test, measure and control torque-speed-power, load-force-weight, tension and displacement. Magtrol is a leading Manufacturer of Motor Testing equipment with worldwide sales and technical support.

OTHERS PRODUCTS

Motor Testing Equipment

Magtrol provides customized solutions and turnkey systems for testing all types of electric and pneumatic motors, gas engines and gearheads, as well as servo drives and inverters.



Torque Transducers

For torque measurement from 0.1 N·m to 200'000 N·m for speeds up to 50'000 rpm.



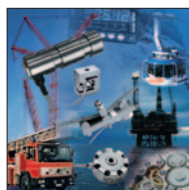
Hysteresis Brakes and Clutches

Used to provide precise tension and torque control in many types of applications such as textile, coil winding, EDM, wire and fiber optic cable, printing and packaging.



Load-Force-Weight Transducers

Magtrol's Load-force-weight sensors and systems allow to provide highly accurate static and dynamic measurements..



MOTOR TESTING SYSTEMS AND SENSORS FOR DENTAL AND SURGICAL TOOLS



CUSTOMIZED SOLUTIONS:

Magtrol supplies testing systems, dynamometers, brakes, force sensors, and rotating or reaction torque sensors to meet specific customer needs.

Do not hesitate to CHALLENGE US!

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Worldwide sales network

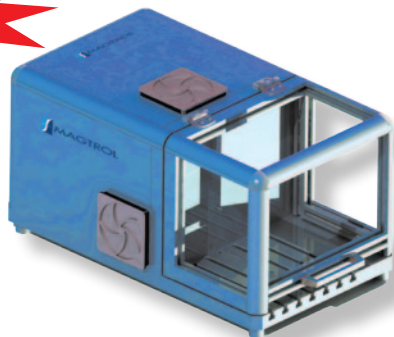
www.magtrol.com

Speed up to 300 000 rpm
Torque range from 2 mN · m
Force range from 0.01 N (1gr)

www.magtrol.com

▶ DYNAMOMETERS

▶ WB23 DYNAMOMETER



FEATURES:

- Torque: 80 mN·m
- Speed: up to 100 000 rpm
- Power: 50 W continuous; 300 W intermittent
- Low inertia
- Very low residual torque
- Stable braking torque, without shock
- Measuring system for air-bearing and protection guard
- Data acquisition via DSP6001 Controller and M-TEST Software
- Built-in electronics for Torque and Speed measurement
- Optional motor fixture available

▶ EXAMPLE OF CUSTOMIZED TEST SYTEM FOR SMALL DC MOTORS



COMPONENTS:

- Dynamometers
- DSP 6001 Controller
- 6510 Power Analyzer
- M-TEST Software
- DC Power Supply
- Motor Fixture
- PC-Laptop
- Table

▶ MICRO DYNE



FEATURES:

- Designed specifically for miniature and micro motors
- Torque: Easily convertible from 2.0 mN·m to 4.0 mN·m (0.28 oz·in to 0.57 oz·in)
 - Speed: up to 100 000 rpm
 - Power: 4 W
 - Low inertia
 - Integrated motor fixture, power measurement and controller

▶ TEST BENCHES

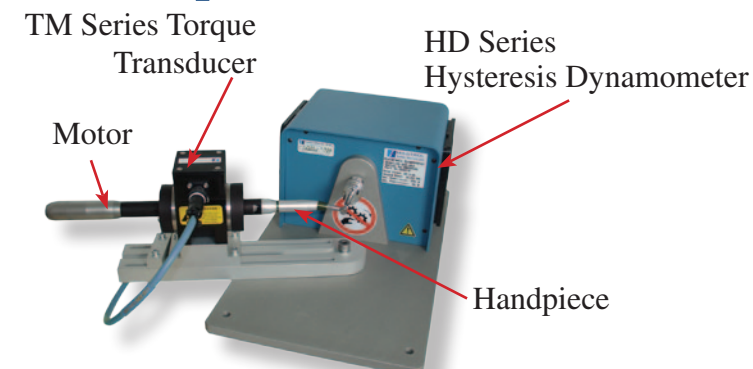
▶ MEGA SPEED DYNAMOMETER



FEATURES:

- Very high speed, up to 300 000 rpm
- Eddy Current contactless braking system
- Torque: 5 to 50 mN·m or adapted to specific needs
- Customized system
- Closed loop torque/speed control and measurement
- Temperatur monitoring of braking device

▶ DENTAL TOOLS TESTING



FEATURES:

- Designed to measure the torque, speed and efficiency of dental tools with contra-angle and straight handpieces. The system includes a TM Series Torque Transducer (100 mNm), a Hysteresis Dynamometer (HD 400, 280 mN·m), fixtures and accessories.