

MEGA SPEED DYNAMOMETER

MAGTROL UPGRADE HIS MEGA SPEED DYNAMOMETER. THE NEW VERSION PRESENT AS A COMPACT MOTOR TEST BENCH ESPECIALLY DEDICATED FOR DENTAL APPLICATION.

FEATURES

- Test Bench with Mechanical Protection
- Contactless Braking System
- Infra Red Temperature Sensor
- Torque Transducer (25 or 50 N·mm version available) accuracy $\pm 0,2\%$
- Speed Sensor
- Very Low Inertia $\sim 8 \times 10^{-9}$ Kg·m²
- No Residual Torque (no bearing)
- Torque/Speed Acquisition Software

This closed-loop system measures braking torque which can be controlled by limiting the number of desired cycles whose parameters can be saved using M-TEST 7 Motor Testing Software.

An disk with a diameter of 10 mm or 20 mm is mounted on the shaft of the motor under test. A special motor fixture has been designed to hold the motor under test. M-TEST 7 software controls the braking force by controlling the eddy current induced in the disk.

One advantage of the system is the use of contactless braking. This allows testing at high speeds (up to 320'000 rpm) with no free alignment problem. Operating without bearings eliminates any residual torque.

Another advantage of the system is a very low inertia. The inertia is about 400 times smaller than equivalent devices.

Need specific Motor Testing ? Do not hesitate to challenge us !

