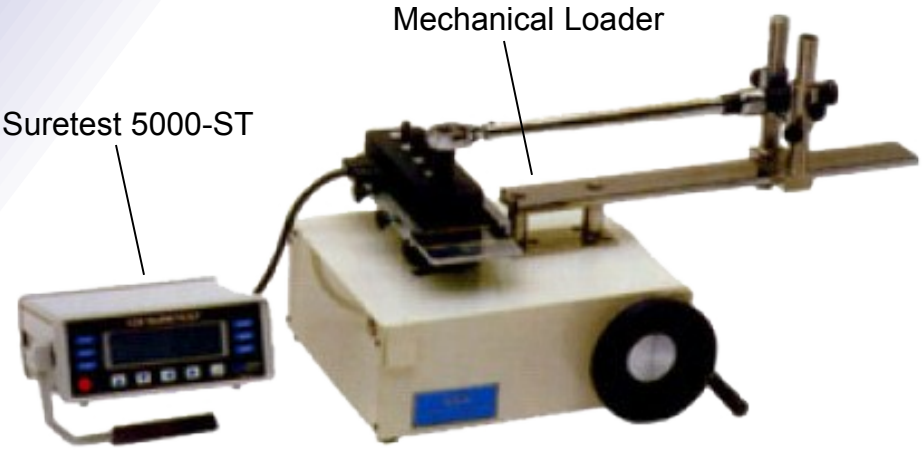
# Electronic Torque Tester

Suretest is the next generation in a laboratory grade instrument that provides torque measurements with a user-friendly interface and a large LCD display.


## The Most Popular Calibration System

The Suretest 5000-ST is shown above with a Mechanical Loader, a 4-in-1 Transducer System (2000-400-02) and mounting bracket (2000-500-02). With the above bench top system, calibration of wrenches up to 250 ft-lbs. Is a snap. In addition, single transducers are available from 15 in-oz. To 2000 ft-lbs.

## MECHANICAL LOADER FEATURES

- Portable. (Some mounting required)
- Will load dial, micrometer, beam, electronic torque wrenches or pre-sets.
- Use with any Belknap torque transducer from 20 in-oz. To 250 ft-lbs.
- Weighs less than 50 pounds.
- Four cushion pads for adhesion to work surface without slipping.
- Large wheel for smooth cranking action.

The Suretest can be used with a single transducer or as the principal component of a complete torque calibration system. It has versatile data acquisition capabilities including measurement storage, retrieval, statistical analysis and automatic downloading to an external computer / printer. Using precision torque transducers, the Suretest provides high speed monitoring of static or dynamic torque inputs. The statistical report (printout) includes a simple histogram for process monitoring. Two RS-232 ports are at the back of the unit for computer / printer interfacing. The Suretest operates directly from any AC power line between 110-220 VAC, 50-60 Hz without the need for switch selection. A hard-wired lithium battery keeps the internal memory and date-time clock operating for up to 10 years.

## WIDE SELECTION OF TRANSDUCERS

Torque transducers, purchased separately, are available in ranges from 15 in-oz. to 2000 ft-lbs. and provide system readings with an accuracy of ± .25% of indicated value when calibrated with the Suretest. A special EEPROM chip is built into each torque transducer that identifies its range and maintains its calibration value. Any “Smart” transducer calibrated separately will maintain at least ± .5% or better accuracy.