

# Multi-Station Durability Test System

## STANDARD FEATURES

- Runs on 120VAC, 60Hz power
- Handles 240VAC @ 20A per test channel (DC, DC+AC, higher current, and higher voltage options available)
- Hardware based Estop shuts down all tests
- Control outputs for Magtrol Hysteresis brakes (variable current output signal 0-1A)
- Automated monitoring of test motor temperature and current draw shuts down tests individually if over/under temperature or electrical short/open occurs
- Easy to use software interface for loading, saving, programing, and monitoring tests
- Once a test is programmed, just hit the front panel START/STOP button to run it
- Software logs test results and saves test progress in case of power loss



Multi-Station  
Durability Test System

## DESCRIPTION

Automated durability testing on up to 4 motors, drills, rotary tools, etc... simultaneously. Tests can be started, stopped, and even programmed independently.

Closed loop mode controls the torque load to achieve test motor current draw set points. Open loop mode simply applies torque load set points regardless of test motor current draw. Load ramps, steps, dwells, and power off cool down periods can be programmed.

An MSDT system can be configured to suit your application. Just a few of the many available options:

- AC or DC power operation
- high current capability
- infrared temp sensors
- compressed air control
- connection for external ESTOP signal.

Hysteresis brakes are sold separately and must be selected based on the characteristics of your test motors.

