



# Servo / Spindle Motor Dynamic Load Control System

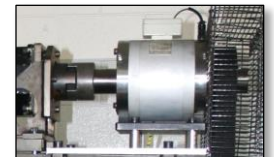
## Automation Repair and Sales

- Electronics
- Robotics
- Servo motors
- Spindle Motors
- CNC
- HMI / Displays
- Operator Stations
- Monitors
- PLCs
- Light Curtains
- Inverter Drives
- AC/DC Drives
- Welders
- Process Controls

## Capabilities Include:

- Servo & Spindle Motor Load Testing
- Torque & Speed Curve Plotted Reports
- Locked Rotor Testing
- Servo Feedback Motors up to 22 KW
- Himmelstein MCRT Torque Transducer for both Torque and Speed Measurement

Below is Northline's **Dynamic Motor Load Control System**. This is a powered run test with quantitative reporting showing load, torque, and speed curves. This system can be a definitive test of torque specifications with the ability to test to a locked rotor state. It can also be used to prove winding & magnetic rotor health or encoder feedback accuracy over the life of your machine. It allows for predictive maintenance decisions and proactive motor testing for your essential production machines. This system couples the servo or spindle motor being tested to a 22 KW motor generator. The generated load power is then dissipated through a resistor bank. Dynamic torque or load data is measured via torque transducer to a laptop with reporting software. Each motor is dynamically tested with the appropriate OEM drive to ensure simulated production conditions.



Contact your Northline sales representative for all of your repair needs.