

### Fractional Hp Servo Motor Load Stand

K+S Services has designed and manufactured a load test stand for fractional and sub-fractional horsepower AC & DC servo motors. This system is comprised of a Reliance GV-3000 AC inverter drive controlling a 1.0 Hp Reliance “Black Max” inverter duty motor. The GV-3000 drive is run in “constant torque” mode in order to keep the load torque perfectly linear. The load transducer is a precision Lebow 1602-1K unit that is capable of testing up to 1000 oz/in full scale. The motor under test is secured to a load table plate with ultra fine height adjustment and a positive locking system. All motors qualifying to be tested on this system are initially loaded to maximum OEM torque specifications and then to stall to ensure quality repairs.

