



LARGE INDUSTRIAL FAN MOTOR CUSTOMIZED TEST SYSTEM

**MAGTROL DESIGNED THIS CUSTOM MOTOR TEST SYSTEM FOR
END OF LINE PRODUCTION TESTING OF LARGE INDUSTRIAL CEILING
FANS.**

This system is equipped with a TM 312 Torque Transducer, a DSP7000 Series High-Speed Programmable Controller, a 7530 Series Power Analyzer, a 2PB115-IS Powder Brake Dynamometer, a 1:1 right angle gear box, an integrated Hi-Pot tester, a custom Pogo Pin connection box, a Zebra printer, an interface for safety light curtain bars, and a bar code reader. A heavy duty steel table was designed with a custom pivot assembly and adapter scheme to interface with various motor mounting. The custom pivot assembly was adapted with several safety features including locking features and proximity sensors to ensure proper engagement of the motor interface.

Easy to use, Magtrol M-Test Software enables the user to quickly set test parameters and sequences in torque or speed control, curve mode, closed loop or open loop. Test setups can be saved and recalled any time. It allows the acquisition of complete testing data (torque, speed, current, efficiency, power input, power output, temperature, resistance), temperature rise and related data during motor operation. M-TEST has the flexibility to test a variety of motors in a multitude of configurations. The data generated from this user-friendly program can be stored, displayed and printed in tabular, graphical formats or universal data reports and is easily imported into a spreadsheet. Clear and professional reports can be issued.

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