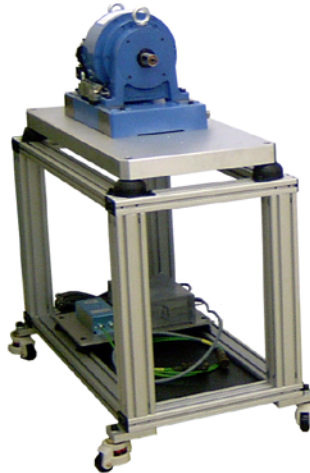

Customized Test System for Low RPM Gear Motors

APPLICATION

Magtrol designed three Custom Motor Test Systems for testing drive motors for automotive transfer cases in on-demand 4WI vehicles.

COMPONENTS

- Heavy-Duty Equipment Cabinet
- Dynamometer Table
- 1 PB 115 Magnetic Powder Dynamometer: with optional 6000-bit speed pickup
- DSP6001 High-Speed Programmable Dynamometer Controller
- M-TEST 4.0 Motor Testing Software
- 6510e Single-Phase Power Analyzer
- TSC 401 Torque/Speed Conditioner
- DES 311 Dynamometer Power Supply
- DC Motor Power Supply (2 kW): with GPIB interface
- PC, Monitor, Keyboard



DYNAMOMETER MODIFICATION

The dynamometer is fitted with a high-resolution quadrature encoder to allow accurate measurement of angular position during testing.



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