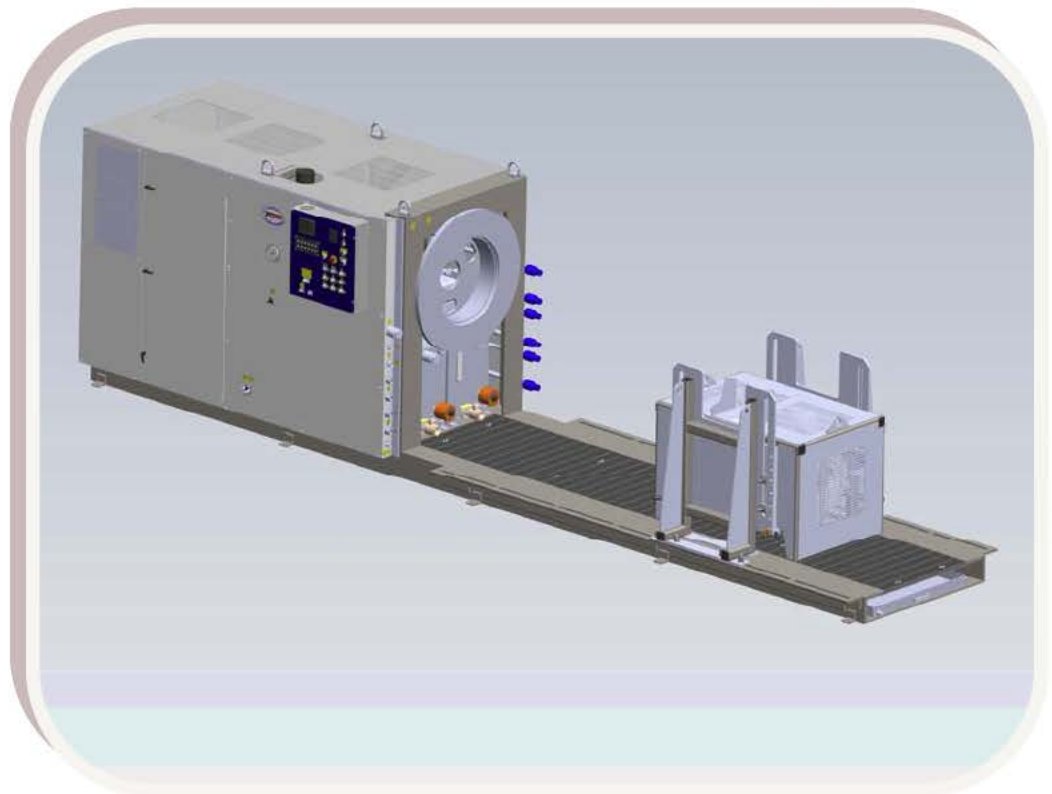




Transmission Test Stands

From Great Lakes Power

State of the Art Transmission Testing including J1939 Shift Selector and Data Acquisition System



TS200 with Output Load Unit Shown

With up to a 300HP electric motor power these test stands have the power to test a wide variety of transmissions, torque converters and other flywheel or remote mounted products. The test stand is equipped with an SAE 00 (wet or dry) flywheel housing. Flywheels and adapters are available to mate most SAE standard flywheel and flywheel housing configurations. Close coupled and remote mount configurations are easily accommodated by the flexible mounting arrangement and available transmission mounting brackets and stands. Driveshafts and adapters are available for testing remote mount configurations. Our engineering staff can design custom adapters for nearly any application.

Two separate fluid reservoirs with thermostatically controlled immersion heaters enables pre-heating of fluid to normal operating temperature for testing. An integrated air to oil cooler is standard with automatic fluid temperature regulation. Pumps and valves are provided for filling and draining operating oil.

Oil filtration is provided for the transmission lube system and for filtering oil to and from the reservoirs.

A removable oil pan is installed under the test stand structure.

Variable Speed AC Drive

460/480V 3 Phase 50 or 60Hz
Line Voltage. Worldwide Voltage
Compatibility

Data Acquisition System

Integrated Control Panel with
Data Acquisition System.

Transmission Controller

J1939 Shift Controller integrated
into control panel. Spare panel
space and CAN-BUS node for
installing and interfacing with
third party transmission control-
lers.

Six double ended ON/OFF out-
puts for testing electric shift
transmissions. Short circuit
protected.

Dual voltages standard for test-
ing 12V or 24V negative ground
systems.

Output Load Testing

Optional Output Eddy Current
Load Absorption Unit with Stall
Caliper Brake

Automated Testing

Computer Control of Drive Speed
Available to Automate Speed
Profiles During Testing

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Features and Benefits

Worldwide Installation

Dual Units including SI and Imperial Units

Multiple Language Capable

Input Voltage Options

PC Based Data Acquisition

Windows PC for logging all test data.

Graphical display of test data

Export to .csv file for analysis

Advanced Data Logging

Timed or On Demand Data Logging of Test Unit Operating Data

Hydraulic Component Testing

Compatible with Pump Drives for Mounting and Testing Hydraulic Pumps. Tank Suction and Return Ports Provided.

Fluid Conditioning

Fluid Heaters, Cooler and Filtration built in with QD Fitting Connections

Expandable Architecture

System is modular and number of I/Os required is easily expanded for future needs

For more information on any of our products or services please



Whether your needs are to test large marine transmissions, oil field fracturing transmissions or powershift transmissions; a test stand from Great Lakes Power can handle your needs. With two models available; one for deep reduction units and a standard model we have the best solution for your testing needs. An optional output shaft absorption brake enables load testing for applications that require load testing, please consult factory for additional information.

SERVICES AVAILABLE

Technical Support
Installation and Setup
Customization
Remote Support

Turnkey Solution

Complete Sensor Package provided including;

Nine 0-500psig Pressure Transducers

Two Temperature Transducers

Three Turbine Flow Meters

Visual Flow Meter (Scavenge Flow)

All Sensor Harnesses

Control Panel with Color Display

Windows PC

Control Cabinet

Variable Speed Drive

Speed Control Potentiometer

E-Stop Switch

Speed Pickups

External Pressure Regulator Valve



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