



Fully-Optioned Configuration



500E Transmission Test Stand
www.powertestdyno.com

Model 500E Transmission Test Stand

New from AIDCO, the 500E test stand is designed to meet your needs for testing medium and heavy-duty transmissions and torque converters for off-highway and other commercial vehicles. This machine accommodates in-line or drop box model transmissions mounted in a direct, remote, or mid-ship configuration, with or without integrated torque converters. This compact unit is designed and built to AIDCO Test System's high standards to give you years of reliable performance verification and quality assurance testing of automatic and power shift transmissions.

The 500E joins a line-up of AIDCO test stands installed throughout the world and viewed as the benchmark in driveline testing. AIDCO Test Systems, a division of Power Test, Inc., manufactures a range of dynamometers and testing platforms targeting heavy-duty off-highway and military vehicle transmissions, torque converters and hydraulic components.



Features and Benefits of the 500E

Predesigned to Accept Many Options – From **basic** to **comprehensive**, easily configurable to meet your exact testing needs

Variable Speed, High-efficiency AC Motor – Quiet operation and precise power

Drive Motor Options to Fit Your Needs – 100HP (75kW), 200HP (149kW), 300HP (224kW)

Available Voltage to Match Local Services – 480 VAC or 380 VAC

Drive Load Sensing – Allows reduction of drive motor torque to better simulate engine output

10 Pressure Taps – Monitor all relevant pressures

Direct or Remote-Mount SAE Bell Housing – Can be adapted to accommodate all SAE sizes

Modulator Control – Simulates “full” or “closed” throttle conditions

Built to Your Specific Testing Needs!

With the **highly customizable** 500E, you get a value-driven testing solution built precisely the way you need it. Select air-cooled or water-cooled, the desired voltage and horsepower, a work table and sump, filter and drain system, and other options – and pay for just the capabilities you need in a test stand. **We make it easy** to get testing equipment best suited to your requirements. As you grow, you have the ability to add additional capabilities as desired.



Options Include:

Heat Exchange Cooler Kit – Water or air cooled w/optional flow capacities, and temperature measurement

Remote Mounting Kit – Accommodates remote transmission testing

Eddy Output Load Unit – Allows application of controlled output load to simulate real world operating conditions and to expose vibration, slippage and noise issues

Work Table and Sump – 6,000-lb support capacity with integrated oil collection sump and reservoir

Oil Reservoir Tank – 130G (492L) reservoir provides preheated, filtered oil, and clean oil storage

Auxiliary Pump – 60 GPM (227 LPM) pump with variable flow for torque converter simulation, lube and expanded testing capabilities

Fill/Drain/Kidney Kit – Allows oil drain and reuse, and continuous filtration

Diagnostic Flow Loop Kits – Provide additional flow loops with optional capacities for all appropriate hydraulic circuits

Low-flow Meter Kit – 2 GPM (7.6 LPM) or 5 GPM (19 LPM)

Stand-Alone Oil Preheat and Supply Cart – Allows use of multiple oil types on test stand

SAE Housing Adapter Rings – From SAE 00 to SAE 3

PowerNet TD Data Acquisition and Control System is available for all AIDCO Transmission and Hydraulic Test Stands.

Data Acquisition and Control Systems

The 500E test stand can be purchased with the newest version of PowerNet TD for reliable data acquisition and control – offering greater flexibility in the test monitor display and reports.

PowerNet TD makes it easy to monitor and record speeds, torques, pressures, temperatures, flow rates and shift events during manual and automatic testing, and create professional data reports - PROOF that your high-quality work is worth the price.

Electronic Shift Consoles

Enhance your 500E test stand with optional electronic shift consoles from AIDCO.

ASC Shift Cart

The ASC shift console is primarily used by non-dealer service centers that handle multiple brands and models of transmissions. The computer touchscreen allows you to easily switch to a different shift profile.



ASC Shift Console

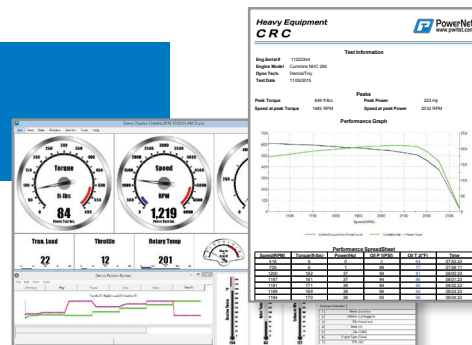
ESC Shift Cart

The ESC shift console is primarily used by authorized service centers with the ability to flash transmission control units. OEM software (not included) can connect directly to the console to perform diagnostics, read and reset trouble codes, and reflash the TCU with the standard 9-pin connector. Multiple TCUs can be housed in the console.

Both of these mobile consoles can be equipped to provide a convenient storage and work surface for the PowerNet TD data acquisition system.

Custom Shifting Options

We can meet your unique needs, just ask.



ESC Shift Console



Customized PLC Shift Console

Power Test - Your Full Service Manufacturer

AIDCO manufactures a wide range of transmission testing equipment, including electronic shift consoles, valve body test stands, and hydraulic test stands.

Contact your Power Test representative or visit our web site at www.powertestdyno.com for more information.

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