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7500 Series



**THE 7500 Series.** Mustang's premier diesel fleet maintenance chassis dynamometer.

The 7500 Series is considered the ideal diesel truck fleet maintenance dynamometer because it incorporates three air-cooled eddy current brakes and a large 19.75" roller set to provide an optimal combination of power and tractive roller surface to handle the higher torque of today's diesel trucks and buses.

At the heart of the 7500 is a set of three air-cooled eddy current power absorbers. Each absorber, or brake, can hold up to 600-hp (total power of 1,800-hp) – more than enough to simulate a fully loaded school or transit bus. As the systems PAUs (brakes) are air-cooled, no water is required to or from the device - eliminating the high cost of water consumption and/or the cost of an expensive water recovery system - which can sometimes exceed the cost of the dynamometer system itself. Mustang is the only company that offers a Universal Fleet Test Bed without water supply requirements. All that is required to run the system is 208-240VAC, three-phase, 40-Amp power.

Each of the 7500's rollers measures 19.75" in diameter, which increases tire-roller contact area and decreasing tire wear and tire temperature. Each roller surface is knurled for maximum traction, whilst a belt-drive connects the primary roller set to the secondary roller set – minimizing "rocking" on the rollers and keeping wheels safely centered between the two sturdy roller sets. The 7500's stout frame is fabricated from structural steel for maximum life and durability, while the bearings, couplings, and related mechanical components are over-engineered to insure years of trouble-free operation.

Specifications

<b>Horsepower:</b>	1,800 hp peak measurement capacity 1,800-hp peak absorption
<b>Loading Device:</b>	Three air-cooled eddy current power absorbers (model MDK-400)
<b>Inertia:</b>	12,000 lbs. base mechanical inertia
<b>Max Speed:</b>	100 mph
<b>Controls:</b>	Closed Loop Digital Controller with WindowsXP based PowerDyne Software. Includes Patented Virtual Road Simulation Technology (RST)
<b>Rolls/Wheelbase:</b>	Precision machined & dynamically balanced, knurled rolls Belted for bi-directional capability 19.75" diameter balanced rolls (four total) 41" face length 25.88" inner track width 107.88" outer track width
<b>Roll Decelerator:</b>	Allows vehicle deceleration without use of vehicle brakes. Eddy Current PAU used to decelerate rollers.
<b>Air Requirements:</b>	80 PSI, dry, regulated, oil free
<b>Power Requirements:</b>	115 VAC, single phase, 60 Hz, 15 Amps (computer) 230 VAC, three phase, 60 Hz, 60 Amps (dynamometer)
<b>Axle Weight:</b>	24,000 lbs. maximum
<b>Shipping Weight:</b>	18,000 lbs. (dynamometer weight only)

Options & Hardware

- Advanced Data Acquisition
- SmartTach Engine RPM
- Optical RPM Pick-up
- TS1 Coil Pickup
- Temperature Sensors
- Pressure Sensors
- Weather Station
- Air to Fuel Ratio Modules
- Opacity Meter
- 5 Gas Analyzer
- Portable Conversion Vehicle Pull Down Kit
- OBD Interface
- Touchscreen Interface
- Integrated Vehicle Cooling
- Wind Simulation Fan
- PAU Upgrade
- PAU Cooling Fans
- On-Site Installation & Training

