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1000 Series



THE MD-1000 Series. The industry standard for heavy duty truck chassis dynamometers.

The MD-1000 Series sets the industry standard for heavy duty chassis dynamometers due to its rugged design and accurate loading capabilities. Simulate on-highway driving conditions under real world loads. Adjust loading to simulate a host of in-usa operating conditions.

The MD-1000 Series heavy duty truck dynamometer has a standard peak horsepower measurement capacity of 2,000 hp, enough to handle most standard trucks, including tandem axle Class Eight tractors. The standard MD-1000 includes two MDK-400 air-cooled eddy current power absorbers that give the power to absorb up to 1,200-hp intermittently. Additional power absorbing units are available to increase the loading capabilities of the MD-1000. In fact, the MD-1000 is available in multiple design configurations to meet virtually every possible testing scenario and to cover the vast majority of heavy duty vehicles.

Other features include a rugged, unitary frame and flexible tandem axle spacing. The precision machined rollers mean you can conduct sustained tests at highway speeds. With Mustang's sophisticated software, you can design a wide range of tests including three-stage diesel lugdown - and provide both on-screen and print-out results. Controls include a wireless hand-held unit, so operators can control the test from the cab of the vehicle. Additional options available include PAU cooling fans to help keep the air-cooled PAUs cool, additional axle sets, Variable speed engine cooling fans, and integrated diesel opacity meters.

Specifications

Horsepower:	2,000-hp measurement capacity 500/1,200-hp (continuous/peak) absorption
Loading Device:	Two Air-cooled eddy current power absorbers (model MDK-400)
Inertia:	3,000 lbs. / 1,450 lbs. (nominal)
Max Speed:	110 mph continuous / 125 mph intermittent
Controls:	Closed Loop Digital Controller with WindowsXP based PowerDyne Software. Includes Patented Virtual Road Simulation Technology (RST)
Rolls/Wheelbase:	17.8" diameter balanced rolls 38" face length 32" inner track width 108" outer track width 30" roll spacing 46-60" tandem axle wheelbase accomodation
Roll Lock:	Between roll lift with integrated roll lock
Roll Decelerator:	Allows vehicle deceleration without use of vehicle brakes. Eddy Current PAU used to decelerate rollers.
Air Requirements:	80 PSI, dry, regulated, oil free
Power Requirements:	115 VAC, single phase, 60 Hz, 15 Amps (computer) 230 VAC, three phase, 60 Hz, 60 Amps (dynamometer)
Axle Weight:	24,000 lbs. maximum
Shipping Weight:	15,000 lbs. (dynamometer weight only)

Options & Hardware

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| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 |
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