



MD-1000-M

17.8" Rolls, 125 mph, 2,000 HP, Heavy Duty Emissions Testing Chassis Dynamometer



The MD-1000 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-use 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 air-cooled eddy current power absorbers that give the power to absorb up to 1,200 HP intermittently.

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.



Specifications

Horsepower	2,000 hp peak measurement capacity 1,200 hp peak absorption
Loading Device	Air-cooled eddy current power absorber
Inertia	2,300 lbs. (nominal)
Max Speed	125 mph
Calibration Motor	15 HP calibration motor
Rolls/Wheelbase	Precision machined & dynamically balanced Belted for bi-directional capability 17.8" (452 mm) diameter balanced rolls 38" (965 mm) face length 32" (812 mm) inner track width 108" (2,743 mm) outer track width 30" (762 mm) roll spacing 46 - 60" (1,168 - 1,524 mm) tandem axle wheelbase
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	80-100 PSI, dry, regulated, oil free
Power Requirements	115 VAC, single phase, 50/60 Hz, 15 Amps (computer) 230 VAC, three phase, 50/60 Hz, 60 Amps (dyne) 230 VAC, three phase, 50/60 Hz, 30 Amps (motor drive)
Axle Weight	28,660 lbs (13,000 kg) maximum
Shipping Weight	15,000 lbs. (dynamometer weight only)

Options & Hardware

- SmartTach Engine RPM
- Temperature Sensors
- Pressure Sensors
- Weather Station
- Air to Fuel Ratio Modules
- 5 Gas Analyzer
- Optical RPM Pick-up
- DE Upgrade
- Above Ground Kit
- Opacity Meter
- Above Ground Ramps
- Vehicle Pull Down Kit
- Integrated Xmas Tree
- OBD Interface
- On-Site Training
- Touchscreen Interface
- Vehicle Cooling Fan
- TS1 Coil Pickup