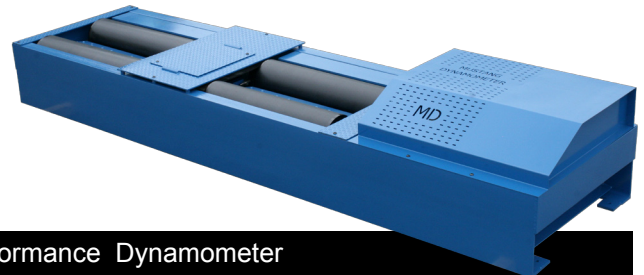




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MD-250-HD

10.7" Rolls, 175-mph, 1,500-hp, 2WD Low-Profile Heavy-Duty Performance Dynamometer



THE MD-250-HD. A beefed up version of the MD-250.

The MD-250-HD is basically an MD-250 on steroids. Equipped with heavy-duty components and an extra stiff frame, The MD-250-HD is able to test vehicles weighing up to 24,000 pounds.

The MD-250-HD was designed to be a performance dynamometer first, with the added benefit of being able to test 2WD heavy-duty vehicles such as trucks, buses and commercial vehicles. No other dyno in its class offers more value or better in-house testing capabilities than the MD-250-HD. For starters, the MD-250-HD boasts a 1,500 horsepower measurement capacity at a top speed of 175 mph. A powerful air-cooled eddy current brake provides the MD-250-HD with 900-hp worth of loading capacity for steady state testing. Do not be fooled by its compact size - the MD-250-HD is a serious dynamometer with serious capabilities.

The MD-250-HD uses a powerful eddy current power absorber, a frictionless, air-cooled braking device, to enable it to apply variable and steady state loading. A complete control and data acquisition system lets you design a wide range of tests or select from a host of pre-configured tests included with the standard system.

The 250-HD's four roller design makes setting up vehicles a snap – simply drive onto the 250-HD and let the tires settle in between the rollers. The 250-HD can be installed above-ground or below-ground, it's your choice. The above-ground system utilizes an optional premium platform and ramp system with an above-ground restraint kit. The addition of an axle pull down kit help keep the tires from slipping or trying to "climb out" of the rollers.

Specifications

Horsepower:	1,500 hp peak measurement capacity 900 hp peak absorption
Loading Device:	Air-cooled eddy current power absorber (model MDK-250)
Inertia:	Approximately 2,000 lbs. base mechanical inertia
Max Speed:	175 mph
Controls:	Closed Loop Digital Controller with WindowsXP based PowerDyne Software. Includes Patented Virtual Road Simulation Technology.
Rolls/Wheelbase:	Precision machined & dynamically balanced Knurled finish for superior tire traction Belted for bi-directional capability 10.7" (272mm) diameter balanced rolls 40" (1,016mm) face length 28" (711mm) inner track width 108" (2,743mm) outer track width 19.6" (498mm) roll spacing
Roll Lock:	Industrial brake pad in contact with O.D. of roll
Roll Decelerator:	Allows vehicle deceleration without use of vehicle brakes. Eddy Current PAU used to decelerate rollers.
Air Requirements:	100 PSI, dry, regulated, oil free
Power Requirements:	115 VAC, single phase, 60 Hz, 15 Amps (computer) 230 VAC, single phase, 60 Hz, 40 Amps (dynamometer)
Axle Weight:	26,000lbs. (11,818kg) maximum
Shipping Weight:	4,500 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
- Motorcycle Kit
- OBD Interface
- On-Site Training
- Touchscreen Interface
- Vehicle Cooling Fan
- TS1 Coil Pickup