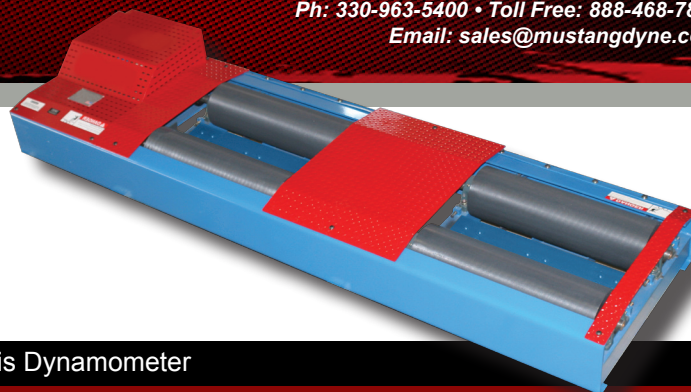




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## MD-GLADIATOR

8.575" Rolls, 150-mph, 1,200-hp, 2WD Low-Profile Chassis Dynamometer



**THE MD-GLADIATOR.** Ultra-low inertia for precise steady state tuning.

With ultra-low inertia and a powerful 625-hp PAU, the Gladiator is a perfect combination of power and finesse - capable of handling most sport compact applications with ease. The 1200-hp measurement capacity means you'll have no problem pulling horsepower sweeps with this low-profile dyno.

The Gladiator is best suited for real-time, steady state tuning of stand-alone engine management systems such as Autronic, MoTeC, Accel DFI, F.A.S.T., AEM, Haltech and the like. From a dynamometer stand-point, the main focus of real-time programming is dynamometer sensitivity, resolution, and set-point stability. The Gladiator's ultra-low inertia design and high speed controller maximize the user's experience by minimizing controller "wondering" and enhancing system control - simply dial in a speed and let the Gladiator take over. Add timing and watch torque increase right on the dynamometer screen in real-time until you have optimized engine timing and fuel mixture.

The Gladiator can be installed above or below ground, it is your choice - however, one of the Gladiator's main assets is its smaller size - which, of course, makes it easy to install right on the shop floor. Mustang Dynamometer offers a set of aluminum ramps which can be removed when the dynamometer system is not in use. Mustang Dynamometer also offers an optional caster kit which allows the Gladiator to be moved about the shop. This is the ideal dyno for a smaller shop with limited space that does not want to compromise.

## Specifications

<b>Horsepower:</b>	1,200 hp peak measurement capacity 625 hp peak absorption single PAU
<b>Loading Device:</b>	Air-cooled eddy current power absorber
<b>Inertia:</b>	630 lbs. base mechanical inertia
<b>Max Speed:</b>	150 mph
<b>Controls:</b>	Closed Loop Digital Controller with WindowsXP based PowerDyne Software. Includes Patented Virtual Road Simulation Technology.
<b>Rolls/Wheelbase:</b>	Precision machined & dynamically balanced Front roll set may be grooved horizontally 8.575" (218mm) diameter balanced rolls 35" (889mm) face length 30" (762mm) inner track width (Exceeds EPA/BAR Stds) 100" (2,540mm) outer track width 17.1" (434mm) roll spacing
<b>Roll Lock:</b>	Between roll lift with integrated roll lock
<b>Roll Decelerator:</b>	Allows vehicle deceleration without use of vehicle brakes. Eddy Current PAU used to decelerate rollers.
<b>Air Requirements:</b>	100 PSI, dry, regulated, oil free
<b>Power Requirements:</b>	115 VAC, single phase, 60 Hz, 15 Amps (computer) 230 VAC, single phase, 60 Hz, 40 Amps (dynamometer)
<b>Axle Weight:</b>	6,000 lbs. maximum
<b>Shipping Weight:</b>	3,000 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
- Motorcycle Kit
- OBD Interface
- On-Site Training
- Touchscreen Interface
- Vehicle Cooling Fan
- TS1 Coil Pickup