

www.mustangdyne.com

MD
MUSTANG
DYNAMOMETER



Portable Dynamometers

Portable Series



PORTABLE CHASSIS DYNAMOMETERS

Mustang manufactures several portable dynamometer systems designed specifically for customers interested in taking their performance testing, simulations and tuning operations on the road. Mustang's portable systems include every item needed – from wheel chocks to an advanced computer control system – to ensure successful portable dyno operation. A Mustang portable system incorporates every desirable aspect of our traditional eddy current chassis dynamometers into a portable system that can be moved and set-up in a matter of minutes by a crew of only one or two guys.

Perfect for trade events, marketing campaigns, equipment-sharing arrangements, rental agreements, portable emissions testing... You name it!

Mustang makes slight modifications to existing product specifications – including utilizing lighter materials, shorter frames, and incorporating additional safety measures to achieve the same level of product quality and durability in our portable systems that is traditionally associated with any Mustang product.

Each portable system includes a standard PC-based control system, roll-around instrumentation cart, a fully equipped dynamometer mobility transport system, vehicle restraint kits, air compressor, and electric power generators.

Depending upon the dynamometer that is selected, Mustang can offer an enclosed trailer design or a flatbed trailer-mounted portability system to meet your specific application requirements.



Side-by-Side MDC-325
Motorcycle Drag Dyno



MD-250 & GLADIATOR PORTABLE SERIES DYNAMOMETERS

2WD Automotive, Low-Profile, Easy to haul, deploy and operate with one or two operators.



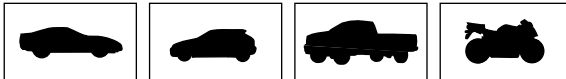
Everybody knows there's nothing closer to an actual 1/4 mile drag strip than a Mustang Dyno. Now, with a Portable MD-250 or Portable GLADIATOR, you have a state-of-the-art tuning, diagnostic and performance dynamometer that is easily loaded up and moved from shop to shop or event to event. Watch the crowds gather when one of these shows up at an event, and then get ready, because everyone's gonna want a turn on the dyno.

Mustang's portable MD-250 or GLADIATOR is designed to be moved around in an enclosed trailer. The dyno can then be deployed from the trailer in a number of ways, ranging from an extending I-beam and hoist system that lifts the dyno out of the trailer OR by incorporating a set of attachable wheels that allow you to roll the dyno out of the trailer. Which ever method you choose, Mustang can provide you with the portable system to fit your needs.

In addition to housing the dyno, a Mustang retrofitted portable dyno trailer has been customized to include everything you need to take your dyno testing operation on the road. An engineered restraint system keeps the dyno, ramps and all of your hardware securely in place during transit and a reinforced diamond plate floor provides the stability to handle the weight of the dyno. Mustang has also integrated an electric generator and air compressor to give you the power you need to run your dyno, computer, air lift roll locks and engine cooling fan.

A portable MD-250 or GLADIATOR has all of the same capabilities as our standard dynos, only in a lighter package. Included with a portable MD-250 or GLADIATOR package is an above ground package consisting of aluminum vehicle ramps and an aluminum set of vehicle restraint arms for strapping cars down.

When it comes to portable dyno systems, nobody else has put so much engineering into building a system that considers all of the unique challenges of taking dyno testing on the road. Not only does Mustang offer the best technology when it comes to dynos, but we also offer the best portable packages in the industry.



PORTABLE AWD-500 DYNAMOMETER

12.625" Rolls, 150-mph, 3,000-hp, 900-hp Peak Absorption, 2,152 lbs Base Inertia



PORTABLE MD-AWD-500. Mechanically-linked AWD performance dynamometer. Tightly-engineered to squeeze into a mobile trailer so you can take the show on the road.

With the Portable MD-AWD-500, you have a portable drag strip that can handle just about any 2WD or AWD car on the street. Equipped with a drag racing timing system, multiple displays, and Mustang's DragSim software, the portable MD-AWD-500 is sure to draw large crowds where ever it appears.

One thing is for sure, a dyno draws big crowds when it shows up at an event. There is something about watching the wheels spin that captures people's attention. Add to that actual drag racing times, reaction time results and a virtual animation of the car racing down the strip or street and you've got yourself some serious racing entertainment.

Mustang's top-of-the-line portable chassis dynamometer is the Portable AWD-500 Series dynamometer. No other dyno offers all of the benefits of a Mustang AWD-500 dyno in such a tightly-engineered portable package.

Mounted inside of a flatbed trailer, the portable AWD-500 is easy to trailer to and from events and can be set-up by a single operator. This is the ultimate portable dyno. Great for promotional events, dyno sharing arrangements or as a traveling dyno for trade shows or car show events.

Like the standard AWD-500, the portable version can test both AWD and 2WD vehicles and can switch back and forth with a simple click of the mouse. With added displays, a drag racing timing system and Mustang's DragSim Software and you've got yourself a portable drag racing strip that is dead nuts accurate, extremely repeatable and a real crowd pleaser.

Portable AWD-500 Features Include:

- Weather-proof cover with snaps
- Single or dual eddy current PAUs
- Integral vehicle restraint system
- Integrated power generator and air compressor systems
- Mounting hardware for TV monitors and drag race timing lights
- Optional DragSim Software displays real-time virtual drag racing scenes

Specifications

Roll Diameter -	12.625"
Type -	Air-Cooled Eddy Current
Inertia -	2,152 / 1,190 lbs base inertia (AWD / 2WD)
Max Speed -	190 / 150 mph (2WD / AWD Mode)
Max Measurement -	3,000-hp
Max HP Absorption -	900-hp (SE model)
Wheelbase -	88" - 118"



Trailer mounted portable MD-AWD-500 shown here with optional drag racing timing system and DragSim Software.

Side-By-Side Drag Racing



SIDE-BY-SIDE 2WD AUTOMOTIVE

2WD Automotive, Side-by-Side, Trailer-Mounted Drag Racing Dynamometers



PORTABLE SIDE-BY-SIDE DRAG RACING DYNOS. Trailer-mounted side-by-side 2WD performance dynamometers - a virtual race track on wheels.

GENTLEMEN - START - YOUR - ENGINES! When you put two cars next to each other on identical dynos, someone's gonna win and someone's gotta lose. There is nothing closer to racing down the actual drag strip. And with Mustang's virtual drag racing software, DragSim, spectators can even watch the cars go head to head down the track on a real-time animation of the race. Take bracket drag racing to the next level and take it anywhere the action is with a Mustang Portable Side-By-Side Dynamometer.



Mustang has developed a number of Portable Side-by-Side Drag Racing Dynamometers for automotive drag race simulations. Complete with integrated race timing systems and a dead nuts accurate 1/4 mile sprint simulation test sequence, nothing comes closer to actually racing down the strip.

For those customers that are looking for a great promotional tool for an event, or for those that want to start a dyno drag racing series, Mustang has the experience building side-by-side systems.

Mustang can design a portable side-by-side dynamometer system for 2WD automotive application by incorporating two units of virtually any of our 2WD Series dynos into a mobile trailer unit. The design depends on the dynos that will be used in the system, but Mustang has experience with side-by-side system of all sizes. The system featured on this page incorporated two MD-1100 Series dynos, but we have experience with side-by-side variations of our MD-250, MD-800 and Gladiator Series dynos.

Not only does Mustang offer the industry's best technology when it comes to chassis dynos, but we also offer the best portable packages in the industry. Whatever your application calls for, Mustang has a dynamometer to fit your needs.



SIDE-BY-SIDE MOTORCYCLE

Trailer-Mounted, Side-by-Side, MDC-325 Motorcycle Drag Racing Dynamometers



SIDE-BY-SIDE MOTORCYCLE DRAG RACING. Twin MDC-325 Motorcycle dynos for side-by-side racing excitement.

Strap 'em down and let 'em rip! As a motorsports promotional tool, there is nothing compared to a side-by-side dyno dual where spectators can actually hop on and race a motorcycle at top speeds without even wearing a helmet.

Mustang Dynamometer has built several portable side-by-side motorcycle drag racing dynamometers for Harley-Davidson and other organizations for use at their events. If you've been to Sturgis or one of the many Harley-Davidson events held annually around the country, you've probably seen the spectacle that surrounds the dyno-drag exhibits. It truly is an exciting part of any motorsports event.

Mustang is the industry leader in dynamometer technology. Not only does Mustang offer the industry's best technology when it comes to chassis dynos, but we also offer the best portable packages in the industry. Whatever your application calls for, Mustang has a dynamometer to fit your needs.





A word about value

Since its beginnings in 1975, Mustang Dynamometer has prided itself as offering the best value in the industry. We consider our customers our friends – without them we would not be here. When our customers buy a Mustang Dynamometer product, they not only purchase machinery, they also buy into our total commitment to customer service and satisfaction policy. As a customer, you have access to our marketing and advertising resources, our service department, our sales engineers and application specialists, our mechanical and electrical engineers, our software programmers, management staff, and all of our friends in the industry – as they are now your friends too. We are not the lowest priced product on the market, nor do we wish to be. We know the recipe for designing and building a quality dynamometer product - and cutting corners is not an option. On the same token, we are not over-priced. Instead, Mustang offers equipment to the performance market place that is of the best overall value – with the highest quality available at competitive pricing. After meeting with us and seeing our products in action, we know you will agree.

1-888-468-7826

MD
MUSTANG
DYNAMOMETER

www.mustangdyne.com

**2300 Pinnacle Parkway, Twinsburg, Ohio 44087
Ph: 330.963.5400 • Toll free: 888.468.7826 • Fax: 330.425.3310**