

### ***Test with Confidence***

Designed to test next-generation AWD vehicles and 2WD vehicles equipped with advanced traction and stability control systems, Mustang's Speedometer Testers offer unmatched accuracy, durability, and ease of use





All-Wheel Drive Speedometer Tester



In-ground or above ground



Motorcycle attachment available



Mechanically-Link AWD Speedometer Tester

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## **2WD Speedometer Testers**

Mustang's MD-05K-ST series speedometer testers are designed for 2-wheel drive vehicles (front or rear). One key advantage is its upgradeability, where it can be expanded to support all-wheel drive (AWD) vehicles as well, providing the flexibility for facilities that may need to test a broader variety of drivetrains over time.

## **AWD Speedometer Testers**

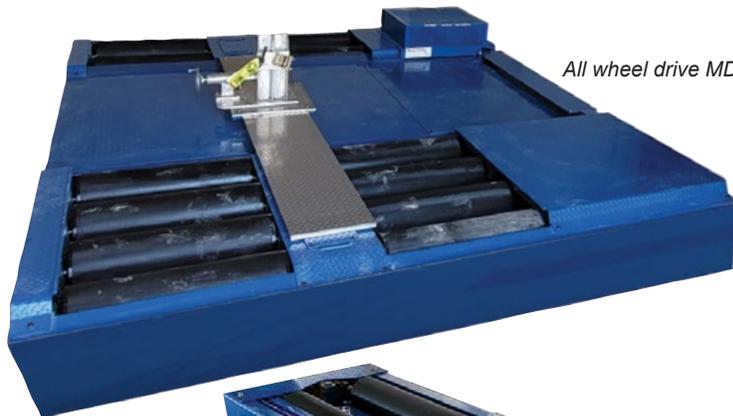
Mustang's MD-AWD-05K-ST Series incorporates a mechanically-linked internal drive system that synchronizes the front and back rollers to simulate a flat, dry road condition. Synchronization, or linkage, insures that the front and rear rollers are always spinning at precisely the same road speed. This process eliminates the possibility of activating a vehicle's traction control system and also insures that a vehicle's torque management system is operating under the assumption that the vehicle is not skidding, turning or slipping. A speedometer tester that can accommodate various types of AWD vehicle transmissions and wheelbases without excessive complication and, more importantly, without risking damage to an AWD system is paramount.

## **Handles Two-Wheel Drive Traction & Stability Control Systems**

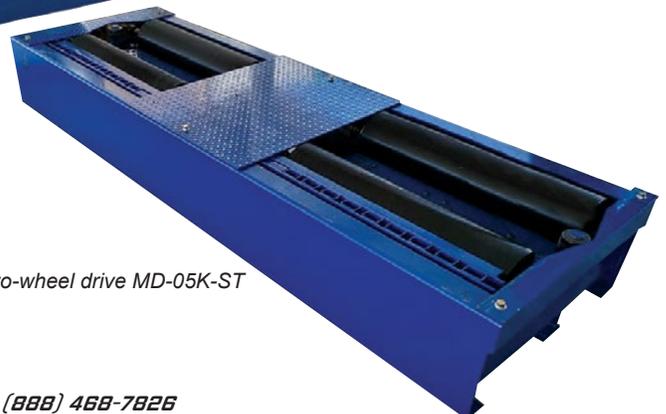
Mustang's AWD Speedometer Testers can be operated in AWD Mode while testing 2WD vehicles. This process allows the non-driven axle to be spun by the dynamometer rollers at the same speed as the driven axle, eliminating the speed differential issues that occurs on 2WD testers.

## **Optional Air Actuated "On-Off" Coupler**

Switching between 2WD and AWD mode on the AWD-05K-ST is done with a simple click of the mouse. Mustang Dynamometer engineered an automatic "On-Off" coupler that is both robust and easy to control. An air piston and arm combination opens and closes a toothed coupling assembly. Engaging the system places the speedo tester in AWD mode, disengaging the coupling places it back in traditional 2WD mode. What could be easier?



All wheel drive MD-AWD-05K-ST



Two-wheel drive MD-05K-ST



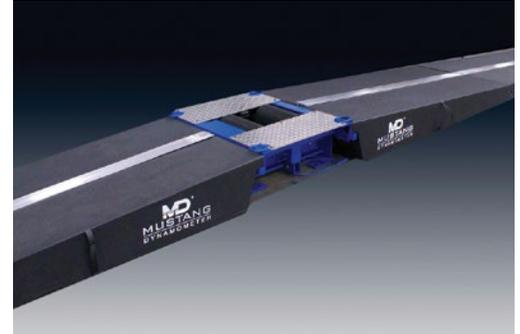
## Motorcycle Speedometer Testers

Mustang has several solutions for speedometer testing of motorcycles, from a lightweight, portable solution to an attachment for the MD-AWD-05K-ST. Contact Mustang for more options.

## Portable Speedometer Testers

Mustang manufactures a number of portable versions of our speedometer testers. Depending upon the speedo tester that is specified. Mustang can offer an enclosed trailer design or a flatbed trailer-mounted portability system to meet your specific application requirements. Mustang's portable systems include every item needed - from wheel chocks to an advanced computer control system - to ensure successful portable operation. A Mustang portable system incorporates every desirable aspect of our traditional speedometer testers 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.

Portable systems include a standard PC-based control system, roll-around instrumentation cart, a fully-equipped mobility transport system, vehicle restraint kits, air compressor, and electric power generators. 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 Dynamometer product.



Portable motorcycle speedometer tester



Enclosed trailer equipped portable MD-05K-ST



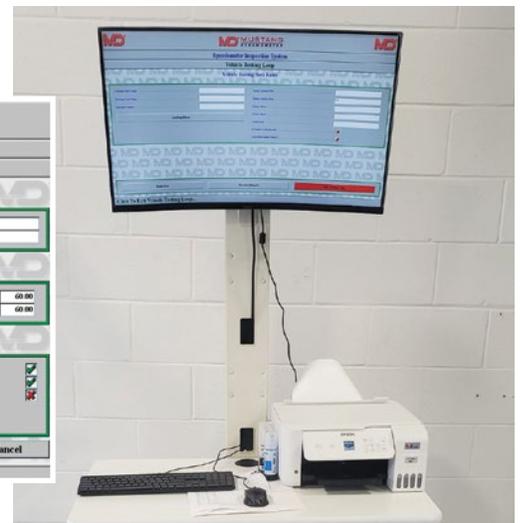
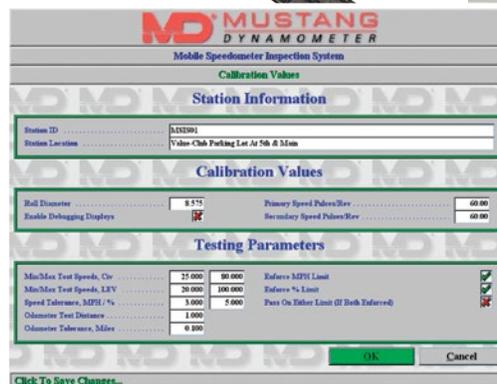
Flatbed-mounted portable MD-AWD-05K-ST



Certified Software

## Certified Software

Mustang's proprietary software is verified and certified. Designed for precision, accuracy for testing speedometers for cars, motorcycles, commercial vehicles and EVs. Fully compliant with local and international standards (e.g., OIML R91, ISO 9001), within the software comprehensive reports may be generated, printed, and stored with detailed test results with timestamps and certification.



## **Specifications**

Type: Cradle-roll configuration
Max Load Per Axle: 11,023 lbs.
Frame: Heavy-duty structural steel
Sensor Type: Digital Pulse Speed Sensor
Max Speed: 125 mph
Roll Diameter: 8.575"
Air Requirements: 80-100 PSI, Dry, Reg. oil free
Power Requirements: 115 VAC Single Phase, 60 Hz, 15 Amps
AWD Wheelbase: 96' - 122" standard wheelbase (longer avail.)

## **Configurations**

**Above Ground (AG):** with truss and either aluminum or composite ramps

**Below Ground (BG):** Contact Mustang Dynamometer for certified pit installation drawings prior to construction.

**Portable (P):** with truss and either aluminum or composite ramps, Contact Mustang Dynamometer for more information.

Contact Mustang Dynamometer for certified power requirements and certified pit installation drawings prior to construction.

## **The Mustang Advantage**

Since 1975, Mustang Dynamometer has focused on providing the best value in the industry. We view our customers as friends - without them, we wouldn't be here. When you buy a Mustang product, you're not just buying equipment; you're gaining our full commitment to customer service and support.

As a customer, you get access to our marketing tools, service team, engineers, software developers, and industry contacts - who become your contacts too. We're not the cheapest option, and we don't aim to be. We build high-quality dynamometers without cutting corners, and our prices reflect that - fair and competitive for the value we deliver. Once you meet us and see our products in action, we believe you'll agree.



## **Speedometer Tester Calibration Services**

Mustang offers the economical services of calibration and re-certification of any speedometer tester, keeping a law enforcement department accurate and confident.

## **Certification**

Certification of speedometer testing is a legally critical process that involves standardized procedures, calibrated equipment, and official documentation. It ensures speed measurement reliability, compliance with regulatory standards, and legal admissibility in court, reduce liability in the event of disputes and ensures transparency and integrity in enforcement practices.

Would you like a sample certification form template or a list of certified speedometer testing vendors? Contact Mustang on how we can help.

## **Find a Mustang Dyno Speedo Tester**

Don't have the department budget for a testing system, then let us help getting the testing to you. Mustang has a database of places, locations and service companies that own and operate speedometer testers. Also Mustang has portable testing systems that can bring the systems to your location and test your fleet. Saving time, costs, and keeping your team accurate.

Contact Mustang for more information.

Here's just a few of the locations using Mustang Dyno Speed Testers:

- Los Angeles County, California
- Broward County Sheriff's Office, Fort Lauderdale, FL
- Double Nickel Speedometer Testing, Port St Lucie, FL
- Taylor Automotive, Virginia Beach, VA
- David Heiser Inc., Telford, PA
- Olde Towne Automotive, Perkasio, PA



### **Mustang Dynamometer**

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