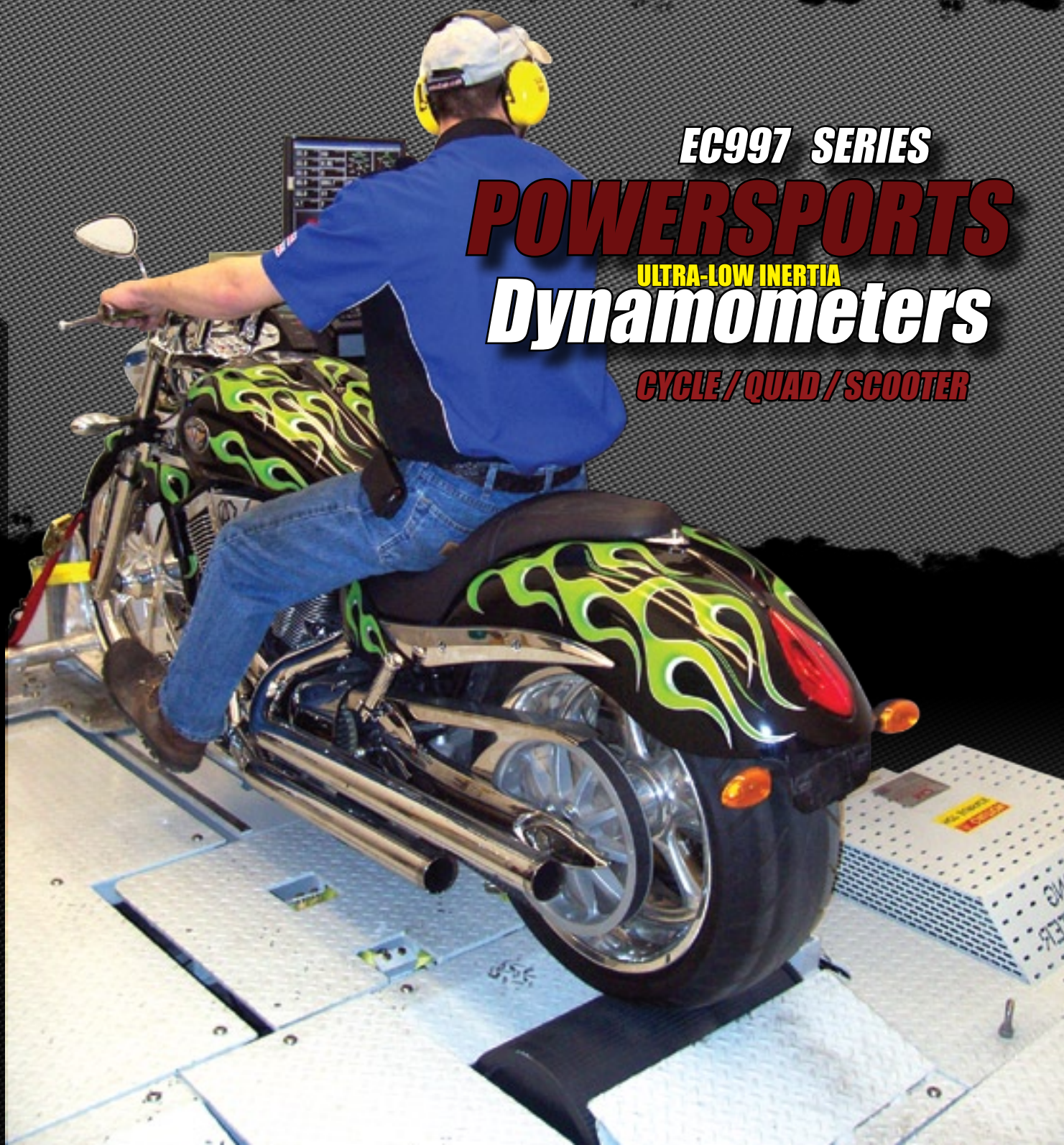


**FACTORY PRO**  
PROFESSIONAL TUNING COMPONENTS

**MD**  
**MUSTANG**  
DYNAMOMETER

**EC997 SERIES**  
**POWERSPORTS**  
**ULTRA-LOW INERTIA**  
**Dynamometers**  
**CYCLE / QUAD / SCOOTER**

[www.mustangdynne.com](http://www.mustangdynne.com) • [www.factorypro.com](http://www.factorypro.com)





**Known as the best - By the best!**



**OFFICIAL DYNO**

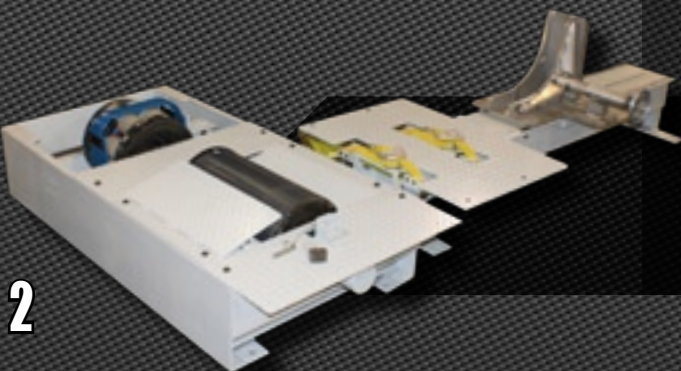
**ORANGE COUNTY CHOPPERS**

**PSI**  
PowerSport Institute

## **PROVEN** Performance

For over 20 years now, Factory Pro and Mustang Dynamometer have partnered to offer the most rugged, user-friendly, and technically advanced lineup of ultra-low inertia high performance chassis dynamometers for the powersports industry. The tuning experts at Factory Pro have developed their expertise in motorcycle tuning through over 20 years of hands-on experience and countless hours of dyno testing. All of this knowledge has been continuously applied to improve and refine the design of our industry leading lineup of powersports dynamometers. Most of the advancements and enhancements that set the Factory Pro-Mustang dyno apart from our competition are thanks to the insight provided by the pros at Factory Pro.

The Factory Pro-Mustang dyno is the dynamometer of choice for serious powersports tuners and aftermarket product developers for a reason - they know the facts. Fact is - in order to get the best tuning results, you need a dyno that applies an accurate load, like the bike would see on the road or track. Other dealer grade dynos don't compare and will give higher horsepower readings to try to impress. But if the power you thought you found on your dyno wasn't based on actual real-world loading, chances are it won't be there when you need it at the track. The best tuners and power product developers in the world know the facts - a Factory Pro-Mustang dynamometer is the most accurate and reliable dyno because it provides real-world loading and precise load control.





# **POWERSPORTS** *Dynamometers*

## ***SIDE By SIDE*** ***Drag Racing Dynos***

**Experience Acceleration**  
*H-D Dyno*

Mustang and Factory Pro have built a number of custom portable side-by-side drag racing dynos for Harley-Davidson's "Experience Acceleration" attractions where riders can climb aboard and race each other on a virtual drag strip. Mustang and Harley-Davidson have a long-standing relationship, having supplied a number of end-of-line production test cells used for validation testing H-D bikes as they come off the production lines.







## **EC997 Series**

### **Ultra-Low Inertia Eddy Current Chassis Dynamometer**

The EC997 Series, our standard eddy current motorcycle chassis dynamometer, takes motorcycle performance tuning to the next level. The EC997 Series uses the industry's most advanced electronics and Dynamic Load Control technology, featuring precision closed-loop torque feedback - a standard feature with every Factory Pro-Mustang dyno. Competitive dynos on the market allow you to apply a "percent brake" manual load as a "work around", but Factory Pro and Mustang have perfected the art and science of Dynamic Load Control and proudly offer the most sophisticated Dynamic Load Control dynamometer available at any price. Our superior control technology combined with our ultra-low inertia design allows you to precisely control loading, enabling RPM settling on target RPM in less than 1.5 seconds. Try doing that with a heavy drive roller and insufficient control technology - You simply can't!

#### **SOME OF THE FACTORY PRO - MUSTANG ADVANTAGES -**

- **Superior Load Control and Software:** Not just "load control" - it's Factory Pro's exclusive Dynamic Load Control (DLC) that enables RPM settling on target RPM in less than 1.5 seconds.
- **Best Sweep Test:** Our DLC system actively controls sweep rate, accounting for engine power changes and flat spots, so 125's to 1400cc all have proper loading - not uncontrolled sweep rates due to heavy drive roller "old" technology.
- **Best Data Recording:** All automatic recording - no silly buttons to push to record data.
- **Best Tire Traction:** Our patented 80/20 surface/groove drive roller significantly improves traction and virtually eliminates tire slippage without the need to apply excessive down force with straps.
- **Best Front Wheel Chock:** Holds the bike up, with or without straps for easy one man loading and operation.
- **Best Working Height:** Able to safely work on the bike on the dyno as it's only 12 inches off the ground (compared to other units that are up to 18 to 20 inches off the ground)
- **Best Front Wheel Beam:** You can walk right up to the bike, as the front wheel beam is only 12" wide. Avoids wasting valuable work space around dyno.
- **Best Tuning Support:** Factory Pro offers unparalleled technical support to help you quickly tune beyond "air fuel ratio" and teaches you how to tune for best power.
- **Emissions:** Factory Pro has maintained the world's largest 5 Gas EGA emissions tuning database, including initial, intermediate and final data.



### **EC997-13 Low-Inertia Model**

Maximum Horsepower	750 hp
Maximum Hp Absorption	450 hp (625 hp optional)
Maximum Speed	200 mph
Roll Diameter	12.625 Inches
Roll Width	12 Inches (19.88" optional)
Wheelbase	96 Inches (longer available)
Load Control	Air-Cooled Eddy Current
Base Mechanical Inertia	174 lbs.

**ULTRA-LOW INERTIA**

### **EC997-20 High-Speed Model**

Maximum Horsepower	1,000 hp
Maximum Hp Absorption	450 hp (625 optional)
Maximum Speed	225 mph
Roll Diameter	19.75 Inches
Roll Width	12 Inches (19.88" optional)
Maximum Wheelbase	96 Inches (longer available)
Load Control	Air-Cooled Eddy Current
Base Mechanical Inertia	233 lbs.

A heavy-duty restraint kit provides added security and helps keep the bike centered on the roller.

An adjustable wheel clamp restraint mechanism with integrated roll lock allows for simple and safe test positioning.

Our Dynamic Load Control capabilities are made possible by using powerful eddy current power absorbers and torque sensing load cells that provide an ultra-fast closed loop signal to the dyne controller. Mustang and Factory Pro's dynamometer control technology is recognized around the world as the industry's best.

The EC997 features a sturdy structural steel frame with a specially designed patented 80/20 grooved roller. Our patented roller design is excellent for off-road knobby tires, racing slicks and street tires and virtually eliminates tire slip issues common on other knurled only roller designs.

The low-inertia model features a 12.625" diameter roller, while the high-speed model uses a larger, 19.75" diameter roller. Both models are available with a standard roll width of 12" or with an optional roller width of 19.88".

### **EC997 SERIES Standard Features**

- Measure up to 1,000-hp at speeds up to 225 mph.
- Eddy Current PAU and Torque Load Cell are included as STANDARD equipment. What good is a dyno without it?
- PowerDyne Software, PC, Monitor and roll around shop cart are all included as STANDARD equipment.
- Integrated Weather Station for automatic atmospheric condition measurement.
- Smartach Engine RPM Module with inductive tachometer pickup
- Electric starter system to spin roller (12V battery not included)
- Front wheel restraint system with wheelbase capacity up to 96 inches (longer available upon request).
- One year replacement parts warranty. Lifetime warranty on frame.
- Lifetime Free Technical Phone Support.

**ULTRA-LOW INERTIA**





## **EC997 MC/QUAD Series**

### **Eddy Current Chassis Dynamometer**

Factory Pro and Mustang's MC/QUAD Dyno is a specially designed, high-speed, low-inertia motorcycle/QUAD/Kart combination dyno. The low inertia design and eddy current loading features are perfect for precision tuning and diagnostic applications. The base mechanical inertia of the EC997 MC/QUAD is perfectly matched for testing lightweight cycles and quads, while the powerful eddy current power absorption unit provides enough muscle to apply a serious load for steady state testing applications. Quickly and easily diagnose performance problems, break in engines, perform EFI mapping and much more.

**Use the same dyno for 2 and 4 wheeled vehicles!**



#### **EC997 MC/QUAD SERIES Standard Features**

- Measure up to 1,000-hp at speeds up to 225 mph.
- Eddy Current PAU and Torque Load Cell are included as STANDARD equipment.
- PowerDyne Software, PC, monitor and roll around shop cart are all included as STANDARD equipment.
- Integrated Weather Station for automatic atmospheric condition measurement.
- Smartach Engine RPM Module with inductive tachometer pickup.
- Electric starter system to spin roller (12V battery not included).
- Front wheel restraint system with wheelbase capacity up to 96 inches (longer available upon request).
- One year replacement parts warranty. Lifetime warranty on frame.
- Lifetime Free Technical Phone Support.

**Standard systems include chassis dynamometer, PowerDyne Software, control computer, roll around shop cart, and eddy current PAU with load cell - ALL AS STANDARD EQUIPMENT.**



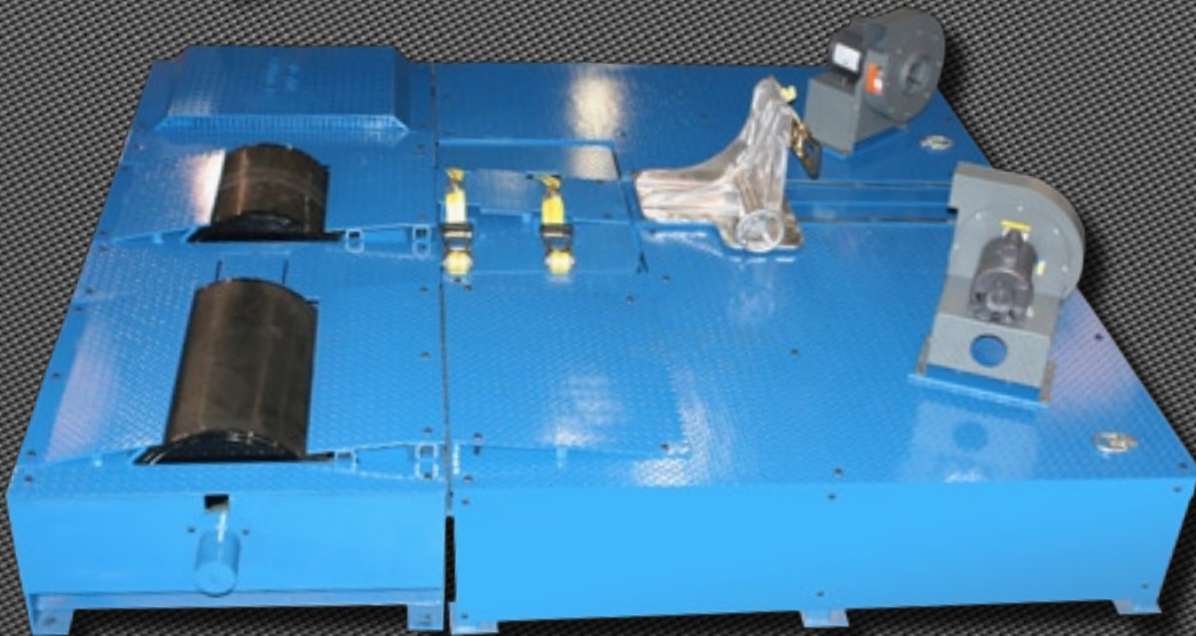
### **EC997 MC/QUAD-13 *Low-Inertia Model***

Maximum Horsepower	750 hp
Maximum Hp Absorption	450 hp (625 hp optional)
Maximum Speed	200 mph
Roll Diameter	12.625 Inches
Roll Width	19.88" / 30.50"
Inner / Outer Track Width	15.63" / 66"
Wheelbase	96 Inches (longer available)
Load Control	Air-Cooled Eddy Current
Base Mechanical Inertia	407 lbs.

**ULTRA-LOW INERTIA**

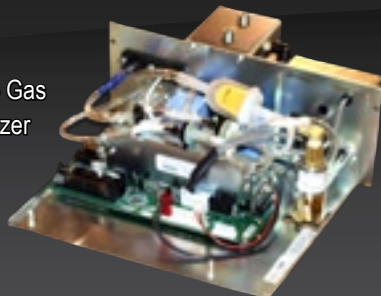
### **EC997 MC/QUAD-20 *High-Speed Model***

Maximum Horsepower	1,000 hp
Maximum Hp Absorption	450 hp (625 hp optional)
Maximum Speed	225 mph
Roll Diameter	19.75 Inches
Roll Width	19.88" / 30.50"
Inner / Outer Track Width	15.63" / 66"
Maximum Wheelbase	96 Inches (longer available)
Load Control	Air-Cooled Eddy Current
Base Mechanical Inertia	500 lbs.



### **Optional *Hardware & Accessories***

Integrated 5 Gas Analyzer



Power wheelbase adjustment



Dual Cooling Fans



Additional optional features and accessories are available. Contact the Mustang for more information on dyno hardware and optional features at TOLL FREE 888-468-7826. Contact Factory Pro for more information on tuning aids and tuning accessories at TOLL FREE 800-869-0497.

Factory Pro-Mustang EC997 dynos allow tuning to a higher level of refinement than any dyno  
- proven at AMA Pro, AFM, CCS, ASRA and WERA races every month - over and over again.



Michael Jordan Motorsports has used the EC997 for over 5 years now and had the  
fastest Superhikes in 2010 with 2 wins at Daytona.

Post your videos **Dyno<sup>o</sup>TV.com**



179 Paul Drive, San Rafael, CA 94903  
Toll free: 800.869.0497 • Email: [info@factorypro.com](mailto:info@factorypro.com)

[www.factorypro.com](http://www.factorypro.com)



2300 Pinnacle Parkway, Twinsburg, Ohio 44087  
Toll free: 888.468.7826 • Email: [sales@mustangdyne.com](mailto:sales@mustangdyne.com)

[www.mustangdyne.com](http://www.mustangdyne.com)