

MD-IMP-SE

Dynamometer

MD[®]
MUSTANG
DYNAMOMETER



No speed limits

The ImportDyne™ is a streamlined, ultra-low inertia chassis dynamometer designed specifically for applications involving lightweight test vehicles - primarily the import market.



The IMPORTDyne is capable of measuring up to 1,475-hp in power sweep mode and for tuning purposes, the SE model provides 400-hp absorption capabilities. With low-inertia rolls, the ImportDyne is designed for testing lightweight vehicles that make big horsepower numbers.

An eddy current power absorber (PAU) is a frictionless, air-cooled device controlled entirely by electric current. A torque arm extending perpendicular to the PAU and attached to a load cell provides for precise, real-time torque data feedback. Steady state testing allows for real-time RPM specific tuning - truly a benefit to professionals who make a living out of dialing in vehicle performance.

The key behind the IMPORTDyne is its ability to accurately simulate road-load on vehicle-driver combinations weighing as little as 1,600-lbs. via its modest inertia properties and Mustang's patented Virtual Inertia™ Technology. Professionals specializing in import market niches can take advantage of all of the benefits of an advanced eddy current chassis dynamometer; quarter-mile runs and 0 - 60 runs, both from a standstill, can be performed on the SE model with precision accuracy - regardless of how much weight you've managed to shave off the stock set-up or how much power you've added to the engine.



MD-IMP-SE

CHASSIS DYNAMOMETER (SINGLE PAU)

- | | |
|-----------------------------|---|
| <i>Horsepower:</i> | 1,475 hp maximum measurement capability
400 hp peak absorption |
| <i>Loading:</i> | Single air-cooled eddy current power absorber (MDK-250) |
| <i>Maximum Speed:</i> | 200 mph |
| <i>Inertia:</i> | 1,600 lbs. equivalent inertia (nominal) |
| <i>Controls:</i> | DAC based Controller with Microsoft Windows™ based Software. Ethernet based communications between personal computer (optional) and controller. Includes Patented virtual Road Simulation Technology (RST) |
| <i>Hand Control:</i> | Wireless in-car controls available |
| <i>Rolls:</i> | Precision machined & dynamically balanced
42" diameter roller per wheel
25" face length (23" knurled)
30" inner track width
80" outer track width |
| <i>Frame:</i> | Heavy-duty structural steel frame |
| <i>Roll lock:</i> | Industrial brake pad in contact with O.D. of roll |
| <i>Roll Decelerator:</i> | Allows dynamometer deceleration without use of vehicle brakes
Eddy Current PAU also used to decelerate rollers |
| <i>Air Requirements:</i> | 80 PSI, dry, regulated, oil free |
| <i>Power Requirements:</i> | 115 VAC, single phase, 60 Hz, 15 Amps (computer)
230 VAC, single phase, 60 Hz, 40 Amps (dynamometer) |
| <i>Axle Weight:</i> | 6,000 lbs maximum |
| <i>Drive-Over Capacity:</i> | 6,000 lbs maximum |
| <i>Shipping Weight:</i> | 8,500 lbs (dynamometer weight only) |
| <i>Options:</i> | <ul style="list-style-type: none"> • Second PAU (DE) • SmartTach Engine RPM • Pressure Sensors • Air to Fuel Ratio Modules • Optical RPM Pick-up • Computer System with monitor • Above Ground Kit • Aboveground Lift • Integrated Xmas Tree • Wireless Touchscreen Interface • Vehicle Cooling Fan • Temperature Sensors • Weather Station • 5 Gas Analyzer • AWD-IMP-SE-B Upgrade • OBD Interface • Opacity Meter • Vehicle Pull Down Kit • On-site Training |

MD[®] MUSTANG DYNAMOMETER

2300 Pinnacle Parkway
Twinsburg, Ohio 44087
Ph: (330) 963-5400
Fax: (330) 425-3310
www.mustangdyne.com

E-mail: sales@mustangdyne.com



• Specifications subject to change without notice
• Maximum power rating based on proper tire to roll contact and correctly restrained vehicle

