

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)

- Horsepower:* 1,475 hp maximum measurement capability
400 hp peak absorption
- Loading:* Single air-cooled eddy current power absorber (MDK-250)
- Maximum Speed:* 200 mph
- Inertia:* 1,600 lbs. equivalent inertia (nominal)
- Controls:* DAC based Controller with Microsoft Windows™ based Software. Ethernet based communications between personal computer (optional) and controller. Includes Patented virtual Road Simulation Technology (RST)
- Hand Control:* Wireless in-car controls available
- Rolls:* Precision machined & dynamically balanced
42" diameter roller per wheel
25" face length (23" knurled)
30" inner track width
80" outer track width
- Frame:* Heavy-duty structural steel frame
- Roll lock:* Industrial brake pad in contact with O.D. of roll
- Roll Decelerator:* Allows dynamometer deceleration without use of vehicle brakes
Eddy Current PAU also used to decelerate rollers
- Air Requirements:* 80 PSI, dry, regulated, oil free
- Power Requirements:* 115 VAC, single phase, 60 Hz, 15 Amps (computer)
230 VAC, single phase, 60 Hz, 40 Amps (dynamometer)
- Axle Weight:* 6,000 lbs maximum
- Drive-Over Capacity:* 6,000 lbs maximum
- Shipping Weight:* 8,500 lbs (dynamometer weight only)
- Options:*
 - 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

