## MD-IMP-SE





No speed limits

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





The IMPORTDyne is capable of measuring up to 1,475hp 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 realtime 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.



## DYNAMOMETER

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MD-IMP-SE CHASSIS DYNAMOMETER (SINGLE PAU)

Horsepower: 1,475 hp maximum measurement capability

400 hp peak absorption

Single air-cooled eddy current power absorber (MDK-250) Loading:

Maximum Speed:

Inertia: 1,600 lbs. equivalent inertia (nominal)

Controls: DAC based Controller with Microsoft Windows™ based Soft-

ware. Ethernet based communications between personal

computer (optional) and controller.

Includes Patented virtual Road Simulation Technology (RST)

Hand Control: Wireless in-car controls available

Precision machined & dynamically balanced Rolls:

> 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

Allows dynamometer deceleration without use of vehicle brakes Roll Decelerator:

Eddy Current PAU also used to decelerate rollers

80 PSI, dry, regulated, oil free Air Requirements:

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)

 Second PAU (DE) Options:

SmartTach Engine RPM

Pressure Sensors

• Air to Fuel Ratio Modules Optical RPM Pick-up

• Computer System with monitor

· Above Ground Kit

Aboveground Lift

Integerated Xmas Tree

• Wireless Touchscreen Interface

Vehicle Cooling Fan

• Temperature Sensors

Weather Station

• 5 Gas Analyzer

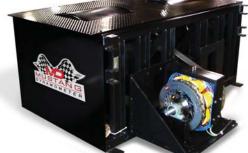
• AWD-IMP-SE-B Upgrade

OBD Interace

Opacity Meter

• Vehicle Pull Down Kit

On-site Training





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