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# Monad Electronics

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# Introduction



## Winner of National Award for year 2009-2010 in R&D

Monad Electronics is An ISO 9001:2015 certified company, which has been involved for over 20 year in the business of designing, manufacturing and export of Electronic Industrial products, Testing equipments , sensors and related indicating and controlling devices and allied products related to Data logging & Acquisition.

Monad is specialized in providing high end and high accuracy customized Force Transducers, Multi-Axial Force Transducers and Torque Sensors. Monad is an expert in providing import substitutes of high end Load Cells, Safe Load Indicators, etc

We are supplying to leading industries and government institutions and are also exporting our products to USA, Germany, Belgium, Turkey, Australia, U.A.E., Singapore, Spain, Brazil, New Zealand, Philippines, UK, Croatia and to the African countries.

## Chassis Dynamometer

Chassis dynamometers are very popular to run some quick tests for installed power and check out the chassis and drivetrain.



## Chasis Dynamometer

The Monad chasis dynamometer is designed to test motorcycles, Three-Wheelers, ATVs and similar vehicles within a safe range and controlled environment. Testing on a dynamometer reduces road testing liability, improves measurement accuracy, and enhances productivity.

The **MD-75** is a modular dynamometer system with various components, which means that you can configure the appropriate components to get your test requirements.

The **MD-75** is suitable for above ground use as well as for pit installation, which makes it very suitable for all shop configurations.

## Chasis Dynamometer

- Run tests with MD-75`s, while simultaneously running any tuning software on the PC based software controller
- Test safely in a controlled environment
- Locate and troubleshoot engine and drive line problems and verify that the problems were corrected
- Use the hard wired or wireless handheld remote control for all phases of setup and testing while seated on the bike
- Collect volumes of data with the roll around sensor stand's inputs for temperatures, pressures, air flow and fuel flow
- Prevent tire damage with the large 20" diameter, diamond-knurled roll which reduces tire deflection induced heat losses and enhances dynamometer repeatability
- Analyze data rapidly with Monad's easy-to-use software

## Chassis Dynamometer



## Chasis Dynamometer

The heart of the system is the base dynamometer enclosure which holds the primary roll, front-wheel clamping assembly, and connections to the sensor box. The base dyno and all modules are suitable for pit installation.

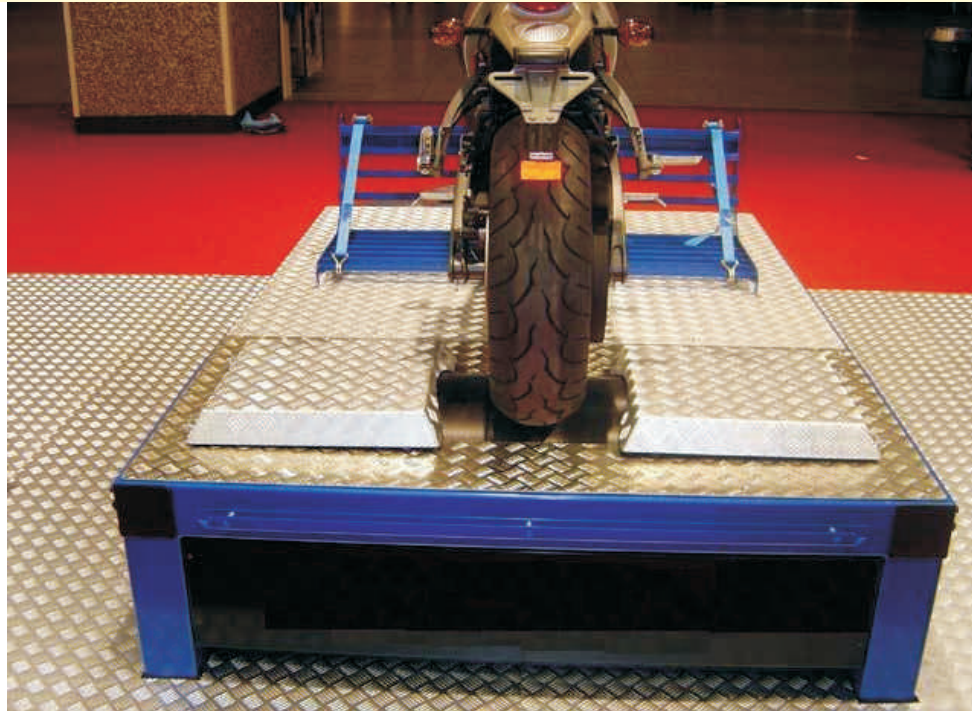
### **Eddy Current Absorber**

The eddy current absorber module attaches to either side of the base dyno or to the secondary roll module. You can even attach a second absorber module.

### **Secondary Roll**

A secondary roll module attaches to either side of the base dyno and connects directly to the primary roll. The additional roll allows you to test small four wheel vehicles such as Carts, ATVs and Legend cars.

## Chasis Dynamometer





## Chasis Dynamometer

MD-75's eddy current absorber technology extends your testing options.

The MD-75 dynamometer is capable of performing automatic & computer controlled acceleration and steady-state tests through the use of inertia and eddy current power-absorption technology.

The MD-75's eddy current absorber module applies a variable, computer-controlled load to the roll.

With the absorber module, you can perform tests at varying rates of acceleration, at steady speeds, at part or full throttle, to simulate race track and high performance street applications. The absorber allows you to run tests in the safety of your shop, yet still test the bike under real world operating conditions. SuperFlow's EC module uses a large, air cooled, eddy current absorber capable of handling rear-wheel power of all current street and racing motorcycles up to 500 hp.

MD-75's motorized front wheel restraint accepts motorcycle wheel bases from 1220–1830 mm.

The air actuated clamp firmly grips the front wheel and holds it in the test position. You can use

the electric starter to bump start the roll and center the motorcycle tire on the roll. The

MD-75's electric starter is powered by a 12-volt battery\* that mounts in the dynamometer chasis.

A built-in trickle charger maintains the battery's charge. A foot-operated, hydraulic disc brake can slow or stop the roll as necessary.

## Chasis Dynamometer

### SPECIFICATIONS:-

Maximum Horsepower	500 hp
Maximum Speed	200 KPH
Maximum Torque	2000 Nm
No. Of Drums	1
Drum Diameter	65 cm
Drum Width	210 cm
Maximum Axle Width	210 cm
Maximum Axle Weight	1250 kg

## Chasis Dynamometer

