



## Mileage Accumulation Chassis Dynamometer (MACD)

The MACD facilities established at Global Automotive Research Centre (G-ARC) are now available for the usage of the industries. These unique facilities are meant for the performance and endurance test on 2/3 and 4 wheelers up to GVW 5000 kg capacity. The systems are equipped with Robot driving (Auto Pilot).

The tests can be performed as per the national and international standards like EC, EPA, Japanese etc. The systems are flexible to adopt the customer's own test procedures also.

### 4 Wheeler Chassis Dynamometer



#### Technical Specifications:

Two Chassis dynamometers are available in G-ARC, on both the Chassis dynamometers two wheel drive as well as four wheel drive vehicles can be tested up to GVW of 5000 kg.

Type	: 4X4 48" Chassis dynamometer with AC motor (Vector IGBT drive)
Make	: AVL Zollner
Base Inertia	: 1200 kg
Max Speed	: 250 kmph
Wheel base	: 2000 to 4000 mm
Inertia range	: 454 kg to 5448 kg
Robot make	: Stahle - Germany
Test Condition	: At Ambient condition without emission facilities

The system is well equipped with Tyre burst protection device, Auto Pilot system, Integrated Data acquisition system with interfaces for various sensor types and wireless OBD-II vehicle data logger.

### 2/3 Wheeler and Compact 4 Wheeler Chassis Dynamometer



#### Technical Specifications:

One Chassis dynamometer is available to conduct the test on 2/3 wheelers and mini passenger cars. The Chassis dynamometer is capable of accepting the vehicles up to 1000 kg GVW.

Type	: 2/3 Wheeler Chassis dynamometer with AC motor (Vector IGBT drive)
Make	: AVL Zollner
Max Axle load	: 1000 kg
Inertia range	: 80 to 1000 kg
Max Speed	: 200 kmph
Robot make	: Stahle - Germany
Test Condition	: At Ambient condition without emission facilities

The system is well equipped with Tyre burst protection device, Auto Pilot system, Integrated Data acquisition system with interfaces for various sensor types and wireless OBD-II vehicle data logger.

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