

Brake Dynamometer Testing

IDIADA UK's Brakes Division offers a **huge range of brake component and system testing services** testing capability to suit our clients' requirements.



- **Friction Performance:** Test Procedure – SAE J2522 AK Master
- **Wear:** Test Procedure – ISO 26866 CV Wear
- **Disc Integrity:** Test Procedure – UNECE R90 Thermal Fatigue
- **NVH:** Test Procedure – SAE J2521 AK Noise
- **Homologation:** approval to all UNECE R90 and UNECE R13 regulations
- **Bespoke Test Procedures**
- **Benchmarking:** Friction and disc material Comparisons
- **Advanced Braking System Testing**, including brake-by-wire and regenerative braking simul

Applus IDIADA owns various **dynamometers for motorbike, passenger car, light and heavy commercial** equipment is the **dbDyno**.

dbDyno is an **IDIADA in-house developed control system which makes it possible to completely** software needed for managing dyno activities: testing, analysis and results generation tools. It **vehicle testing unit (dbBrake)** and is fully capable of **reproducing pre-recorded vehicle brake app** flexibility in order to suit our customers' requirements.

SPECIFICATIONS	DYNAMOMETER 1	DYNAMOMETER 2
<i>MAXIMUM SPEED</i>	2800 rpm	2300 rpm
<i>INERTIA RANGE</i>	5-164 kgm ²	7-162 kgm ²
<i>MAX. TORQUE</i>	5000 Nm	4000 Nm
<i>MAX. PRESSURE</i>	250 bar (Hydraulic)	250 bar (Hydraulic)
<i>ACTUATION TYPE</i>	Hydraulic	Hydraulic
<i>DIRECTION</i>	Forward & Reverse	Forward & Reverse

Take a look to the following articles, published by the brakes IDIADA team, at [The Break Report](#)

- [TBR Technical Corner: Influence of Friction Material on Corrosion-Induced Brake Judder du](#)
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