



A Full-sized performance brake dynamometer purpose-built for motorcycle brake development

WHY IT MATTERS

The Model 1800 evaluates braking performance up to **3,000 N·m** for motorcycle brake assemblies, combining a single disc inertia section with precision electric Inertia Simulation (I-Sim) for realistic on-road correlation. It's built for R&D teams running caliper, friction material, drum and rotor programs that need to match real vehicle test data — with the ProLINK system enabling manual or fully unattended automated testing.

KEY BENEFITS

- Latest-generation software & controls
- Proven components, low maintenance
- Highly configurable, many options
- Integrated controls & power cabinet
- No concrete foundation required
- Fold-away chamber for fast test setup

KEY FEATURES

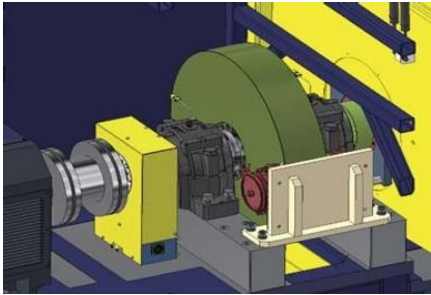
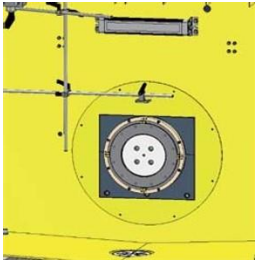
- Tabular, step-by-step test script generation
- RevDataPlus graphical data review software
- High-accuracy electric inertia simulation (I-Sim)
- Servo brake profile control
- In-line reaction torque sensor & calibration fixture
- Power brake bleed system & knuckle test fixture



SPECIFICATION AT A GLANCE

Control Software	ProLINK (MS-Windows)
Sample Rate	2,000 samples/sec
Drive Motor	150 kW
Shaft Speed	0–2,000 rpm
Brake Torque	3,000 N·m
Mechanical Inertia	31.5 kg·m ²
Inertia Range (with I-Sim)	1–60 kg·m ²

Brake Apply Pressure	200 bar
Brake Apply Rate	700 bar/sec



TEST PROCEDURES SUPPORTED

- Performance Wear
- Lining Wear vs. Temperature
- Fade & Effectiveness
- Rotor Corrosion
- Thermal Roughness
- City Traffic Route Simulation
- Brake Output vs. Temperature

See the Model 1800 in Action

Talk to Our team about a detailed product, technical walkthrough, or quotation for your test lab in India.

Adams Engineering Projects Pvt Ltd — Authorised distributor for LINK Engineering testing & measurement systems