



AXIS

TEST DRIVE **REDEFINED**

POWERED BY DOBECK PERFORMANCE



Designed with one goal
Replicate load, drag and gravity

Patented Direct Torque Measurement Measured at the tire

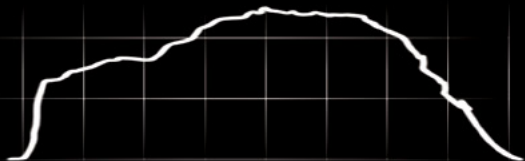
Road Surface Traction Traction matching the street

Patented Air Turbines Aerodynamic drag

Engine Cooling Built in

Variable Inertia Accurately matching vehicle weight

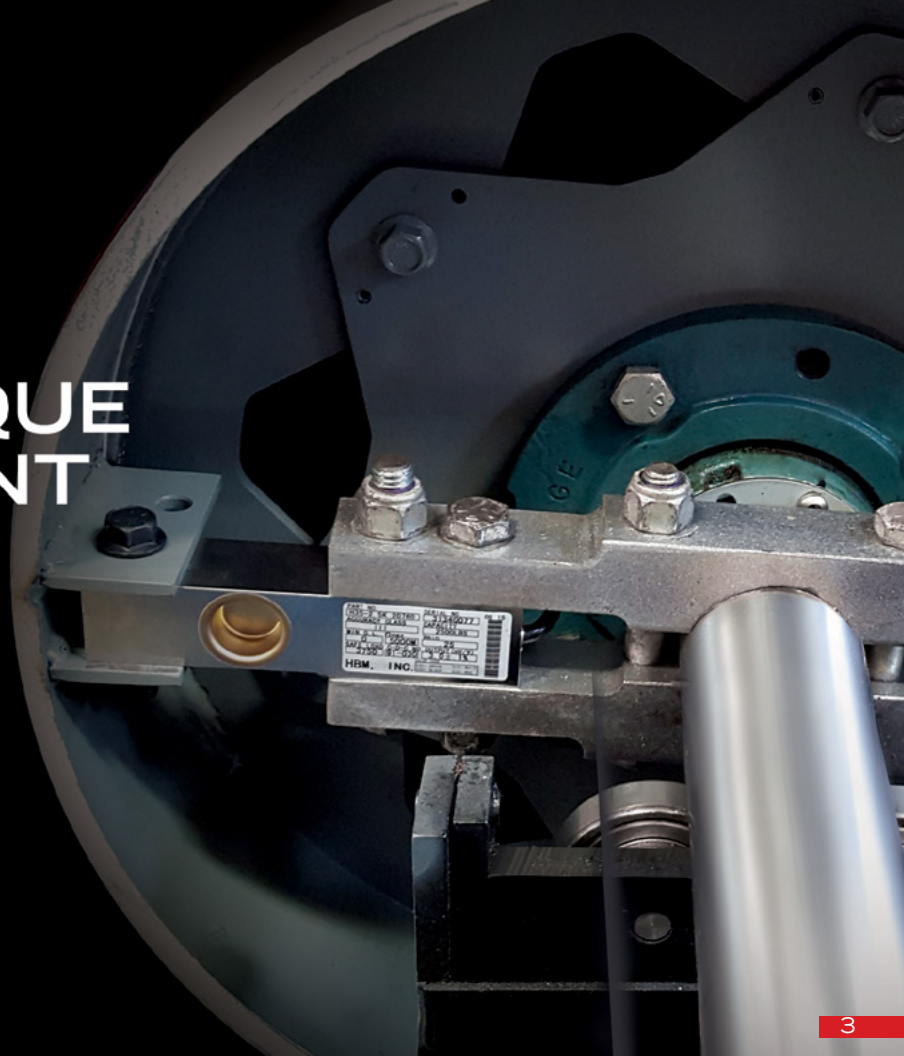
AXIS is the future of performance tuning.



PATENT #8,418,541

DIRECT TORQUE MEASUREMENT

By utilizing our Direct Torque Measurement design and a light weight drum, the tire is essentially touching the load cell; eliminating all frictional drag from bearings, belts and temperature changes. This technology greatly enhances the AXIS Dyno's repeatability and accuracy over the competition.



ROAD SURFACE TRACTION

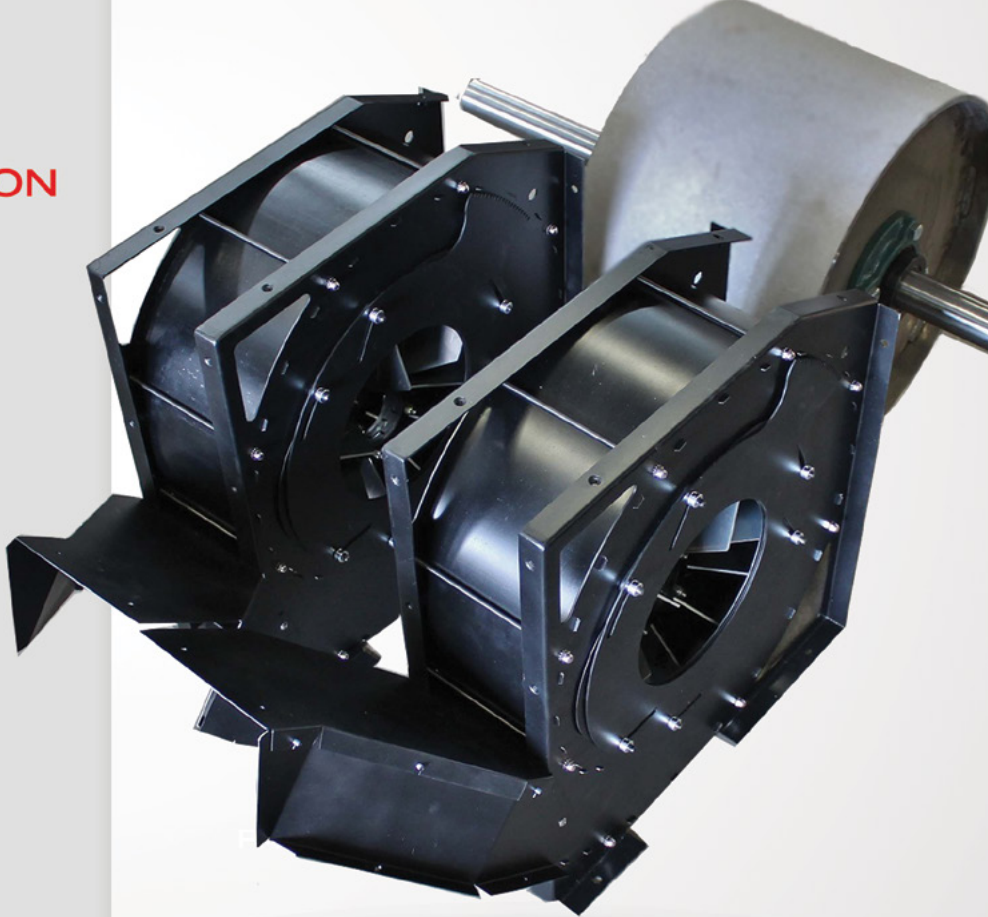
AXIS dyno drums are coated with a durable and rust-resistant metalizing arc spray; delivering uncompromised traction and tire wear that matches the road.

AIR TURBINES

PATENT #8,684,676

Air Turbines powered by the test vehicle create aerodynamic drag proportional to the vehicle's speed.

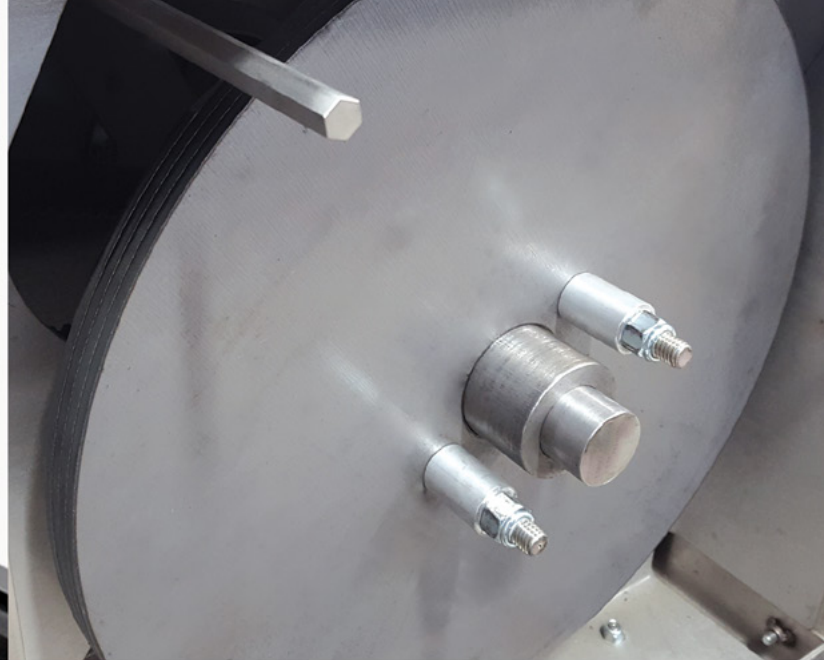
OPTIONAL Air Drag Trimmer allows for the dyno operator to trim out an additional 25% load for special effects such as drafting.





ENGINE COOLING

Wind created by the turbines is redirected through the ducts to cool the test vehicle's engine. The air velocity is proportional to the vehicle's speed, providing the same engine cooling as driving on the road. No additional cooling fans required.



VARIABLE INERTIA

By simply stacking or removing up to 10 inertia discs, the test vehicle's weight can be accurately matched. This allows for more precise tuning and provides the opportunity to test a variety of vehicles.

MOTO-VX12

A VARIABLE ENVIRONMENT FOR REAL WORLD RESULTS



SPECIFICATIONS

Maximum Torque	1000 ft-lb (higher available)
Wheel Base	40 in - 84 in (longer available)
Drum Size	18"DIA, 12"W
Inertia Adjustability	250lbs – 950lbs
Power Requirements	120 volt
Dimensions	38"W x 114"L x 50"H
Dyno Weight	APPROX. 1200lbs

Today's motorcycles have amazing technology: primary and secondary fuel injectors, throttle control, ram air intakes, exhaust output control, launch and shift control, individual fuel and timing maps per gear, etc. A new kind of dyno is required to handle these innovations. The MOTO-VX12 delivers unprecedented features not available by any other dynamometer. The MOTO-VX12 can produce street / track running conditions to fully analyze and diagnose a vehicle to the exact detail.

QUAD-RX74

PERFORMING WHERE THE RUBBER HITS THE DIRT

Real world conditions are critical for setup and testing of CVT clutches. Our dyno is the first to give you the ability to troubleshoot and tune your CVT clutch. The QUAD-RX74 crushes competition in traction, tire wear, and ease of use. The Gates Corporation—manufacturer of CVT belts—uses the QUAD-RX74. Come join our high tech team of tuners before you find yourself a lap down.

SPECIFICATIONS

Maximum Torque	2500 ft-lb (higher available)
Wheel base	(any available)
Drum Size	18" DIA, 74"W
Maximum Vehicle Weight	4000lbs
Inertia Adjustability	900lbs – 2300lbs
Power Requirements	120 volt
Dimensions	93"W x 39"L x 22"H
Dyno Weight	APPROX. 1700lbs



AVS

AXIS VISUAL SOFTWARE

The AVS is the first of its kind with roots in gaming software. AVS allows you to acquire and analyze multiple variables at once and most importantly, in real time. Diagnostic graphs are displayed as the data is collected. You can scan over a dyno run and pinpoint any specific moment in time. You can also create your own drive cycle for the vehicle to operate in. Multi-screen options are available to analyze and compare different variables of data all at once. The interface is very user friendly and a proven crowd pleaser.

The AVS allows a variety of inputs: Power(HP), Speed, Engine RPM, Engine Torque, Dyno Torque, Injector Pulse Width and Duty Cycle, Air/Fuel Ratio and Drive Ratio. The base software also comes equipped with an additional four auxiliary (0-5 volt) inputs, with the option to upgrade to as many as 64 inputs.



ADD ONS

CLAMP N' GO

The Clamp 'N' Go mount system offers a quick and convenient way to securely mount most UTVs, ATVs or trikes to our dynamometer; achieving 5 minute dyno runs including loading and unloading.



MOBILE TRAILER

By utilizing a hydraulic system, the AXIS dyno trailer can be set in place within a matter of minutes by simply lowering the frame to the ground. Purchase the rolling chassis to create your own custom look or sit down with our design team and we will build your vision.



FRONT DECK WITH AIR DUCTING

For maximum convenience, the QUAD-RX74 can be equipped with a front deck and air ducting. Built from steel, the frame is topped with industrial grade Grip Strut tread. For Do-It-Yourselfers, wood and steel prints can be provided at no charge.



HIGH LOADS

If you specialize in sand dune, mud, or ultra-horsepower tuning, an additional blower can be installed in a matter of minutes.



FRONT WHEEL CHOCK

A front wheel chock can be mounted on the QUAD-RX74 for trike and motorcycle testing.



MINI WIDEBANDS

The base software can utilize up to four (0-5 volt) AFR inputs. Your AXIS Dyno will come with one DP SAFR.

THE AXIS SIMULATOR

Schedule your event today



AXIS

POWERED BY DOBECK PERFORMANCE

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