



TrackMONSTER3000

Complete Heavy Duty Dyno System

www.stuskadyno.com

TrackMONSTER 3000

Is your engine making MONSTER power?

Prove it with the TrackMONSTER3000, StuskaDyno's first 3000HP engine dynamometer. We've listened to our customer's who have asked repeatedly over the years for a test stand that could compete with the rising horsepower of today's engines. Through advanced in-house engineering, design, fabrication, and production, StuskaDyno has delivered the industry's first complete testing solutions for high horsepower engines. With a new strong dyno shaft (w/splined coupler), a rigid, robust frame design, and a water brake based on the legendary Stuska design, TrackMONSTER3000 provides reliable testing for 3000HP engines at speeds up to 10,000 RPM. Where the other dynos begin to fail, the TrackMONSTER is just getting started.



Features and Benefits

- Made in the USA
- Rigid, robust, all-new dyno frame
- New stronger dyno shaft engineered with splined drive coupler
- Bigger bearings, new high RPM seals, & easy access servicing
- New load cell rated to measure the increased torque
- PowerPro T/A Total Automation and Data Acquisition
- QuikStik Throttle & Automatic Load Control
- Larger pump and water circuit to handle the increased water to load a MONSTER power engine.
- Legendary Stuska water brake with new plumbing and discharge manifold
- Service & experienced advice from StuskaDyno factory experts by phone, e-mail, or remote access

A Complete Testing Solution

Complete with PowerPro T/A, QuikStick Automatic Load tControl and an upgraded XS-211-HD water brake, the TrackMONSTER3000 makes testing easier than ever before. With one system, direct from one supplier, modernize your testing capabilities and completely transform your shop.



Automatic Load Control

Stuska's revolutionary Automatic Load Control allows the operator to perform smooth, repeatable tests, while maintaining the engine's natural sweep.

Available with the QuikStik throttle control (shown) or as a stand alone unit, Stuska's Automatic Load Control and PowerPro make an unbeatable combination.

TrackMONSTER Features

The TrackMonster dynamometer system has been developed for customers that require an affordable solution for testing high speed diesel, gasoline, and alternative fuel engines. The base system can be upgraded with a wide variety of options, **including:**

- Engine Cooling Column
- Engine Turbocharger cooling
- Torsional Coupling Choices
- ECM Interface
- Fuel Measurement Option
- Operator Control Desk

Additional Sensors For:

- Temperature
- Barometric
- Pressure
- Humidity



Driveshaft capable of handling torque up to 2,6000 Lb.-Fit. with accompanying driveshaft guard.



Upgrade instrument tower with easy-access removable panelling for quick adjustments



A more robust base and frame houses the XS-211-HD water brake for increased testing capacity

PowerPro T/A/Data Acquisition and Control

Total Automation to Complete Hands-on Control

PowerPro T/A gives you the power to choose total automation of your testing while maintaining the complete hands-on control of the engine. The PowerPro T/A data acquisition includes all of our standard inputs. Adding the expansion box allows you to increase the number of oxygen sensors, pressures and more with 16 additional channels over our traditional system.

Features

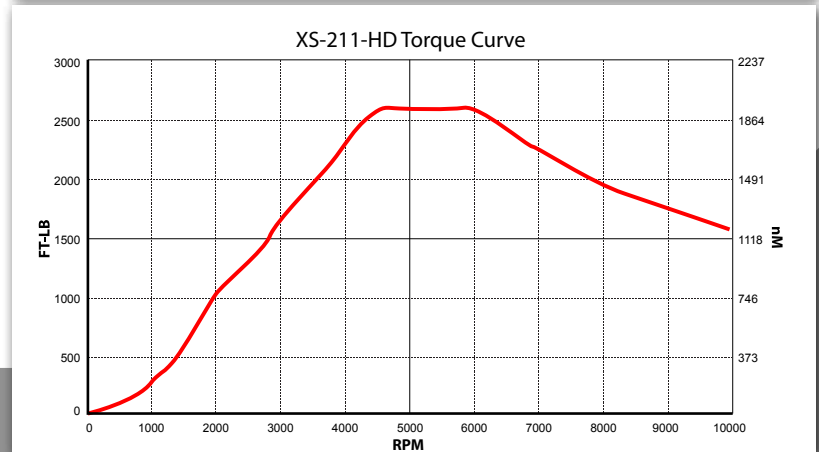
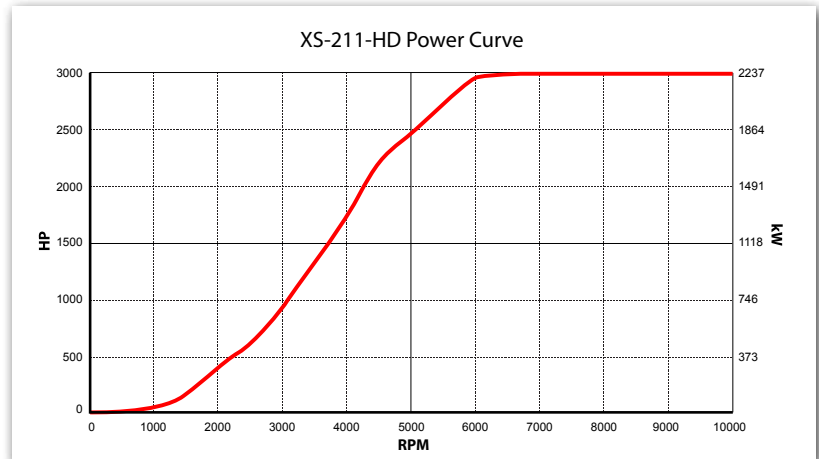
- Precise control over engine and dynamometer
- Step testing for engine mapping
- Automated test patterns from start to finish
- Sweep Tracer real time graphing
- Eight pressure channels with four transducers
- 15 general purpose 0-5V auxiliary analog inputs
- 3 fuel flow inputs
- Second monitor and video card for split screen display



How a Water Brake Dynamometer Works

How a Water Brake Dynamometer Works

Stuska water brakes use water flow to create a controllable resistance to the engine. The greater the volume of water in the water brake, the greater the load. Stuska water brakes can easily perform continuous, steady load tests by adjusting the water flow through the dynamometer to match the desired load. Sweep tests are made even easier through the use of our QuikStik LC throttle and Automatic Load Control.



Stuska Dynamometers - A Division of Power Test, Inc.

Power Test, Inc. is an industry leader in the design manufacture and sale of dynamometers, heavy equipment testing systems and related data acquisition and control systems. The Power Test team of innovative engineers, designers, software developers and sales consultants will **MAKE YOUR TESTING EASY** with logical solutions. Our exceptional product life and manufacturing expertise made us an industry-leading dynamometer manufacturer, as evidenced by our first machine sold, which is still in active use today!

StuskaDyn

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