



**Durability - Performance - Affordability**

# TrackMaster LC

**Dynamometer System with Automatic Load Control**

The Stuska TrackMaster dynamometer systems offer exceptional engine testing capabilities with proven water brake technology and a sophisticated, yet easy-to-use data acquisition and controls package.

The heart of the TrackMaster System is the proven Stuska water brake dynamometer. Stuska dynamometers were introduced to the market in 1963 as a low cost, durable, high-performance dynamometer. The fact that thousands of these dynamometers have been sold, and that many systems older than 20 years are still in operation is proof of their reliability. Available with either the XS-111 800 HP or XS-211 1600 HP water brakes, the Stuska TrackMaster system is constructed to meet your needs

Dynamometer testing has never been easier, due to the revolutionary QuikStik LC. The QuikStik LC Throttle and Automatic Load Control allows for one-handed, repeatable and reliable testing.



**DYNAMOMETER EXCELLENCE SINCE 1963**



#### QuikStik LC Joystick

The QuikStik LC features one-handed operation and automatic load control to achieve smooth, repeatable testing while maintaining the engine's natural sweep.



#### QuikStik Throttle Actuator

The Throttle Actuator is directly controlled through the QuikStik Joystick. This means that the operator is always in control of the engine.



#### Sensor Interface Device

The SID allows a series of high and low temperature, fuel flow and pressure sensors, as well as general purpose auxiliary and engine torque and rpm inputs to be collected and transmitted to the PowerPro Commander.



#### Water Brake Dynamometer

The heart of the TrackMaster LC dynamometer system is the Stuska Water Brake. Available in 800 HP (XS-111) and 1600 HP (XS-211) versions.

#### Integrated Starter/Flywheel

The TrackMaster Base Module is equipped with an integrated electric starter and flywheel, eliminating the need for an engine-mounted starter.



#### LC Pump and Controller

The LC Controller uses signals sent from the QuikStik Joystick and the dynamometer to automatically maintain desired load points and sweep rates through the application-specific LC water pump.



#### PowerPro Commander PC

A standard desktop PC operating on Windows, the PowerPro software graphs, saves and displays all test data, which is shown live on the configurable virtual dashboard.



#### Cooling Column

A thermostatically controlled engine cooling column is provided with every system. The integrated rolling stand allows for rapid removal and placement flexibility.



#### Docking Cart

The TrackMaster Docking Cart features a sturdy structural steel frame with adjustable front and rear supports. This allows the engine to be mounted without the need for a bellhousing. Simply level the engine, and correct alignment is assured.

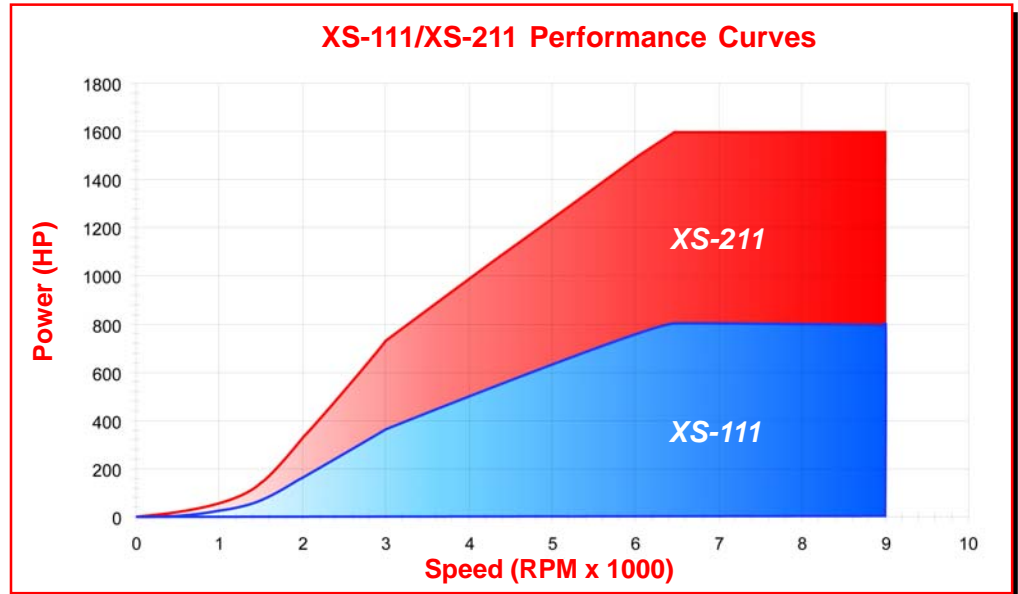


The Stuska TrackMaster LC Gold shown with optional Analog Gauge Package



**XS-211**

**XS-111**



### How a Water Brake Dynamometer Works

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

### Optional Equipment

- Additional Docking Carts
- Analog Gauge Package
- Additional Engine Mounting Kits
- Mass Air Flow Sensors
- Integrated Weather Station
- Oxygen Sensors

### *Additional sensors and options are available to customize this system to meet your testing needs!*

Stuska engineers are constantly developing new products to meet the demands of current technology. The SID features 6 auxiliary inputs, 3 configurable analog and 3 configurable frequency, to allow for an extended range of testing.

## Stuska Dynamometers - A division of Power Test, Inc.

- Power Test, Inc. has extensive years of experience developing and manufacturing dynamometers, data acquisition and controls. We have used this experience to develop our PowerPro data acquisition system and to further develop the TrackMaster LC dynamometer system with Automatic Load Control.
- Our staff of courteous customer service technicians are here to meet your individual business needs and make your dyno and data acquisition experience a positive one.
- Power Test and Stuska are committed to our customer's needs by providing regular customer training programs at our factory in Menomonee Falls, Wisconsin.
- Power Test, Inc. has been manufacturing heavy duty dynamometers since 1976. Power Test, Inc. provides a full range of engine dynamometers up to 4,500 HP and single, tandem, and multi-axle chassis dynamometers. Please visit [www.pwrtst.com](http://www.pwrtst.com) for more information about the full line of dynamometers, data acquisition and dyno controls.



[www.stuskadyno.com](http://www.stuskadyno.com)

*Visit our web site today for the latest in Stuska Dynamometer's Products and Accessories.*

## STUSKA DYNAMOMETERS

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