



## SF-POWERMARK ENGINE DYNAMOMETER

The SF-Powermark dynamometer's unique dual cross-vented rotor design provides equal capacity (2,500 + HP) in either direction of rotation. That coupled with the 2" stainless steel main shaft and aluminum bronze construction mean it is versatile and built to last for years of operation. Built in starters mean you don't need a bellhousing, flywheel or engine mounted starter and the compliant driveshaft allows for coupling the dynamometer directly to the crankshaft.

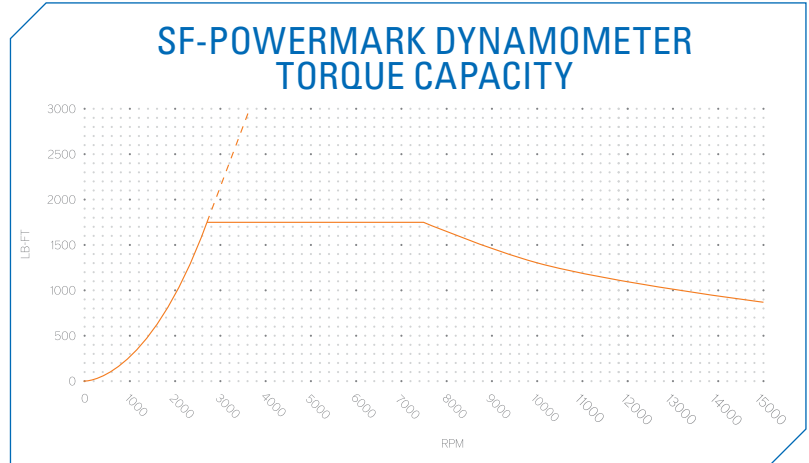
The included WinDyn data acquisition system measures engine characteristics in real time, displays them live on your run screen and automatically graphs the data at the end of a test so you can quickly evaluate engine performance.

The docking cart, cooling column and boom make a complete, ready to run system that anyone can operate.



## FEATURES

- Complete engine testing system includes dynamometer stand, docking cart, operator station & console, sensor box, engine cooling column, computer, WinDyn software, monitors and printer
- Automated tests for simple operation and unequaled repeatability
- Test a wide range of engine sizes including reverse rotation with unique cross vented rotor design for equal capacity in either direction – 2,500 plus hp capacity
- Dual servo valve control system – precise control for any application
- Docking cart system for rapid engine changes
- Control console to manage test, engine and test cell equipment all from the operator station
- Boom system to mount sensor box, manage sensor cables and hold the cooling column neatly in the test cell
- 139 data acquisition channels – user configurable to meet any application
- Modular sensor box with expansion panel system to easily add sensors over the life of the dyno



## Product Specifications

ABSORBER TYPE	WATER BRAKE ABSORBER, BI-DIRECTIONAL, ALUMINUM BRONZE CONSTRUCTION
MAXIMUM SPEED	15,000 RPM
HORSEPOWER CAPACITY	2,500 + HP
TORQUE CAPACITY	1,750 + LB.FT
TEMPERATURE MEASUREMENT	12 TEMPERATURE SENSORS FOR EGT, OIL, WATER, ETC. (ADDITIONAL SENSORS AVAILABLE)
PRESSURE MEASUREMENT	3 PRESSURE SENSORS FOR OIL, MANIFOLD/BOOST, FUEL, ETC. (ADDITIONAL SENSORS AVAILABLE)
FUEL FLOW MEASUREMENT	2 FUEL FLOW SENSORS RATED FOR 8-80 GAL/HR (OTHER RANGES AVAILABLE)
AIR FLOW MEASUREMENT	1 AIR FLOW SENSOR (20-1,200 CFM) (OTHER SIZES AVAILABLE)
AIR/FUEL(LAMBDA) MEASUREMENT	2 – 12 CHANNEL SYSTEMS AVAILABLE – CALL FOR DETAILS