

Easy Test Cell Dynamometer System

PowerTestDyno.com



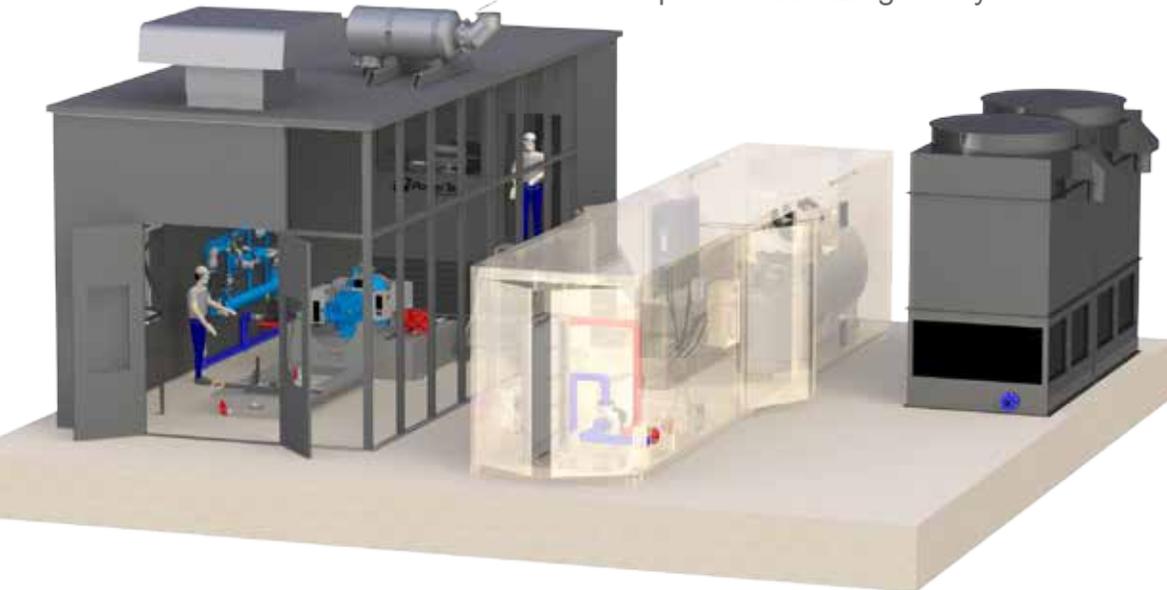
Easy Test Cell Dynamometer System

Power Test was the first company to offer a Fully Contained Transportable (FCT) dynamometer system. Now, our team of innovative engineers has developed the Easy Test Cell (ETC) for comprehensive testing operations anywhere in the world. Featuring all essential components of a state of the art facility including fuel tank, cooling system, storage, and a remarkably safe control environment, the ETC gives you the functionality of a permanent facility without the considerable investment/commitment to one location.

The ETC is capable of housing any one of Power Test's industry leading engine dynamometer systems for all of your heavy equipment testing needs. The modular components of the test cell are designed to meet your specifications with many optional components based on your current needs.

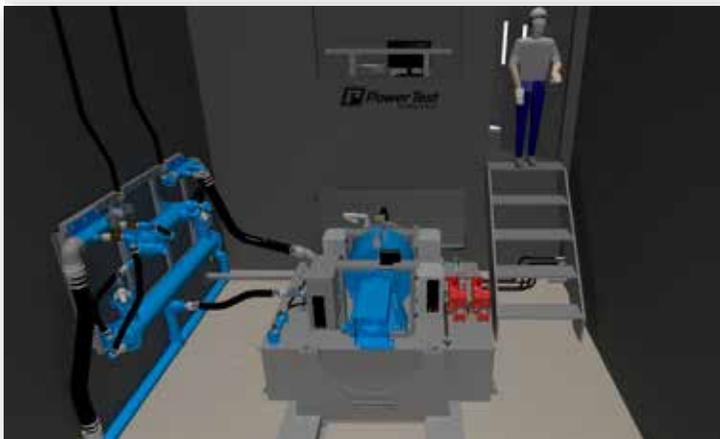
Fabricated with lightweight, sound insulated panels the test cell is assembled by Power Test service professionals in 2-3 weeks with complete functionality available after a month.

Within the Easy Test Cell's primary testing module there is an elevated control center for complete system monitoring. Featuring Power Test's PowerNet 3.0, this control room provides a sound insulated vantage point maximizing safety and efficiency for your team.



Power Test's Easy Test Cell is the heavy equipment testing solution you've been looking for. Whether you're in search of interim options, already have components of a facility, or are looking for long term testing flexibility, the ETC from the industry leaders at Power Test is your solution.

The ETC offers easy connection points to its cooling system, air supply, and fuel source strategically placed to maximized operating room.



Control every aspect of your test cell from the elevated control room, featuring the PowerNet 3.0 data acquisition software.



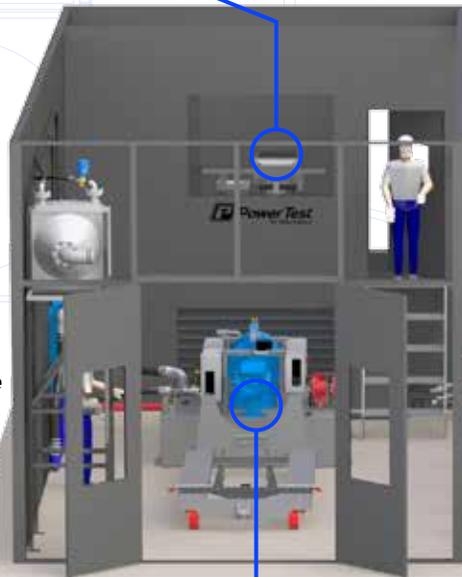
Elevated Control Room

The 90ft² HVAC equipped control room complete with PowerNet 3.0 and Facility Control gives the operator complete control over their test cell in a safety optimized environment.

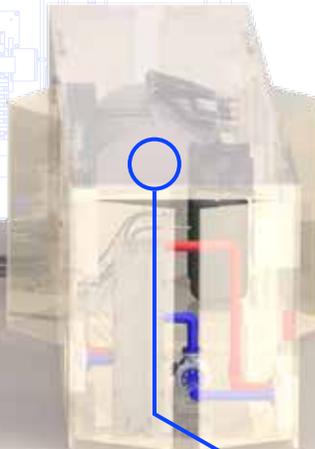


Water Cooling Towers

The towers are designed with a small footprint and provide cooling capability that previously required large scale installations. Optional to ETC customers with alternative cooling methods.



*Panelling available
in over 250 pre-
painted colors*



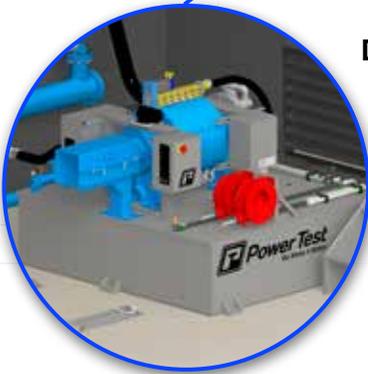
*15' W x 31' L x 15' H (Test Cell)
45' x 45' (Concrete Pad)*

*2-3 Week
Assembly Time*

16 ft (4.85 M)

Dynamometer Compatibility

The ETC is capable of housing dynamometer ranging from the 35X to the H36 serving engines from 350 to 10,000HP. With optimized connection points the ETC is the most versatile test cell available.



Fuel Air & Storage Container

Enclosed in a durable protected container, is the fuel container, a fuel measurement system, and dual air compressors for operation of your dynamometer.



Easy Test Cell Components

- Power Test Dyno and Sub Base/Holding Tank
- 2 QTY 120GAL Vertical Air Compressors 10HP 460V
- 2000GAL UL-142 Double-Wall Fuel Tank
- Modular Cooling Towers (options)
- Jacket Cooler / Charge Air Cooler / Aftercooler
- Silenced Ventilation System
- 2,000 lb Bridge/Gantry Crane

Control/Observation Room

- HVAC Equipped, Safety Optimized Control Room
- Windows®-based PC equipped with PowerNet 3.0
- Bullet-Resistant Windows with Sound Resistant Panels

PowerNet 3.0 Data Acquisition & Control System is available for all Easy Test Cell configurations.

Data Acquisition and Control Systems

PowerNet, the trusted solution for complete, reliable data acquisition and control, is equipped in every ETC control booth. Version 3.0 offers flexible graphics, remote monitoring and reporting, test facility integration and professional reports.

PowerNet 3.0 controls the unit being tested and measures key parameters — all through the industry's most easy-to-use and reliable system. PowerNet 3.0 configures with every engine you might test in your Modular Test Cell

Designed for ease of use, PowerNet allows for easy configuration of instrumentation, operator designated warnings for high/low limit and operator customized full-feature data reports. All reports are generated in a standardized HTML format.



FCT Dynamometer System

The Fully Containerized Transportable (FCT) is the economic version of Power Test's portable test systems. Designed to make efficient use of space, the shipping container in which it arrives is used as the final testing facility. All components arrive assembled, making reliable, repeatable testing available in just a few hours. This option allows customers another option to avoid the costs associated with a permanent testing facility.

*Dynamometer Testing Solution up to 1,500HP



A Complete Testing Solution

Power Test provides a full range of test cell support equipment and accessories, including engine carts, air start systems, drive shafts, resilient couplings, engine adapters, water recirculation and cooling systems, fuel measurement systems, smoke opacity meters, additional temperature and pressure sensors, and analog input channels. Whether you are dealing with new installation or looking to repair, upgrade, or replace an existing dynamometer, Power Test has a solution.



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