

Engine Test Cells



- Portable 20' Cargo Container
- Secondary Exit Door
- Lights, Panel Box and necessary plugs including surge suppression for computer system
- Independent loading system for engines
- Self-contained test system

Engine Cell Diagnostics was created with one thought in mind: Provide our customers with value added services that can be incorporated with the logistical services the company provides.

Since conception (2009), we have completed three (3) successful engine launches, including a 4 Cylinder, 6 Cylinder, and V8 engine. We have tested over 250,000 engines over the past three years alone.

ECD can Hot Test engines for the automotive industry, as well as provide many quality and inspection functions.

In our Buffalo, NY facility, we have the capability to test over 400,000 engines per year. These tests include:

- 10 minute unloaded test
- 20 minute unloaded test
- 8 hour unloaded test
- 10 minute Dynamometer test, loaded
- 20 minute Dynamometer test, loaded
- 8 hour Dynamometer test, loaded

Our test cells are easy to use, and can be converted from any platform in less than an hour. Three engines on a ten minute cycle can be tested per hour. Training for a test cell operator is usually completed in one day.

OPERATING PROCEDURE

ISO 9000-2001

PC SPECS

I5 2500 Intel Processor
Z68 chipset motherboard
8G DDR3 RAM
Windows 7 64 bits OS
LabVIEW software

DATA COLLECTION

Fully customizable with high/low limit points for pass/fail evaluations

Up to 5 samples/second

Analog & Digital signals

Temperature readings

Fuel Pressure

Coolant Pressure

Exhaust Back Pressure

Simple color coordinated data information

Service Features and Benefits



Our test stand has a unique design that tilts for fuel and coolant evacuation.

- Allows for unloaded test stand use with or without horse collaring fixture (can also be refitted for Dynamometer usage)
- Isolated test stand assemble and cradle to allow for better Diagnostic capability
- Set for interchangeable engines cradle (common bolt pattern)
- No need to rebuild entire stand

TECHNICAL SUPPORT

We are available to answer your questions via email or phone, Monday-Friday, 9 AM - 6 PM EST.

USED EQUIPMENT

We have equipment to meet your current needs. Call us for an individual quote.

CONTACT US TODAY

716-228-5393

David Miller, Sales Rep

For more information on any of our products or services please visit us on the Web at:
EngineCellDiagnostics.com

COOLANT

- Heated coolant system
- Automated cooling pressure system (adjustable)
- Automated coolant temperature control system
- Automated coolant purge system (20-24 degrees of Tilt)
Pneumatic tilting allows evacuation point to be at lowest point for better evacuation.
Pressureized Blow Down to vacuum system (creates a strong evacuation pull)
- Filtered cooling system (10 micron filter)
- Automated coolant fill system

ELECTRICAL

- ALDL connections for data pick up through scan tool
- Dedicated power supply for stable engine operation
- Capable of monitoring A/F ratio, 5 gas sampling
- Coolant temperature and pressure monitoring
- Fully updated engine electronic connections for future engine platforms
- Starter operation from dual battery set up with independent charger

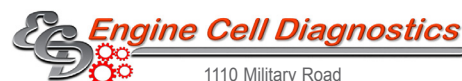
FUEL

- External Fuel Pump
- Automated Fuel Evacuation
- Dual Fuel Filtration System



SERVICES AVAILABLE

Automotive Testing
Training
Hardware Support
Test Cell Sales
Guaranteed Warranty



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