

**Product Profile**

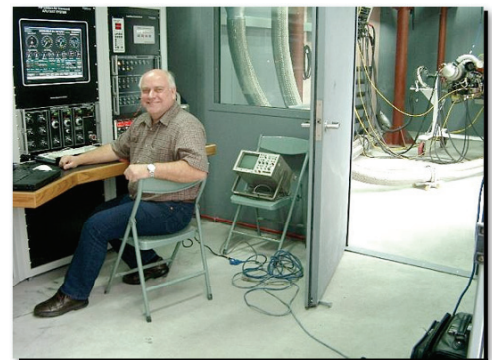
**GROUND SUPPORT TEST EQUIPMENT & SYSTEMS**

**TURN KEY APU TEST CELL SYSTEMS & SUPPORT SERVICES**

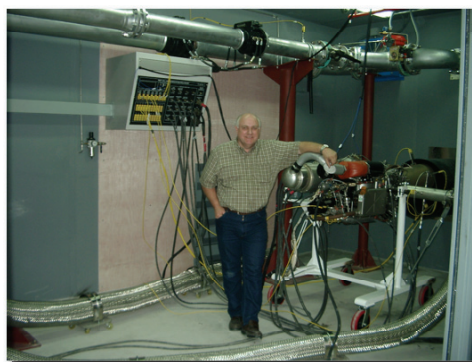


- Efficient and spacious test area. Custom sized and capable of testing any size or manufacturer's Auxiliary Power Unit (APU).
- Rugged sound suppressed building enclosures, exhaust stack, fuel system, and 200 KW electrical load bank shown on custom raised concrete pad.

- High Speed Virtual Instrumentation Test Technology is used extensively.



- Comfortable air conditioned control room and user friendly operator console
- Systems can be installed in existing facilities
- CCTV monitoring available



- The shown system features a fire sprinkler system, dual area air conditioning systems, and ballistic rated wall treatments

**The Perfect Fit  
... GUARANTEED**

[www.harter.aero](http://www.harter.aero)

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GOVERNING CERTIFICATIONS / APPROVALS  
 •FAA Repair Agency # VDTR380K  
 •European Union – EASA.145.4512  
 •Peoples Republic of China – CAAC F00100407  
 •Indonesia – DGAC #1452840001  
 •Thailand – Dept. of Civil Aviation # 329/2547  
 •US - Canada Military Certificate – DD2345

**Advanced APU Solutions in  
New Designs & System Upgrades**

## Product Profile

# GROUND SUPPORT TEST EQUIPMENT

*Harter Engineers have designed and developed a variety of tooling, test equipment and multiple fixtures. Some are specified in Component Maintenance Manuals (CMMs) of Original Equipment Manufacturers (OEMs). Harter's technical expertise also led to a patent on the design of a Multiple Orifice Device used for low air measurement.*

**Demonstrated GSE Test System Designs also include:**

- **A Universal Oil Pump Test System which serves as a prototype for a prominent OEM shop.**
- **High Flow Air Delivery Systems**

**OEM Test Stands Manufactured by Harter include a/an:**

- **Universal Pneumatic Drive Test Fixture**
- **Leading Edge Flap Drives**
- **Thrust Reverser Actuator**
- **Valve Actuating Test Set**
- **Cabin Pressure Test Set**
- **Air Turbine Starters**
- **High Flow Test Stands**
- **Low Flow Valve Test Stands**
- **Re-Circulating Heated Oil Supply**
- **Universal Oil Pump Test Stand**



*Harter has also been responsible for the design and manufacturing of various fixtures and test equipment for third party applications.*

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**Low Flow  
Valve Test Stand**