

OVERVIEW

Advanced Conversion Technology, Inc. is an ISO9001:1994 compliant, small business concern that has been designing and manufacturing complex custom electronic products for military and industrial applications since 1981. We can design and manufacture for you power supplies, EMI filters, accelerometers, signal conditioners, and load/torque cells. ACT's competencies with analog, digital and mixed signal designs makes ACT ideally suited for developing a broad range of custom products.

- **Power Supplies –**
 - **High Voltage**
 - **Low Voltage**
 - DC / DC Converters (non-brick)
 - Single and/or Multiple Outputs
 - AC / DC Power Supplies
 - 115 / 220 / 440 V Inputs
 - 1 Phase and 3 Phase Input Power
 - Single and/or Multiple Outputs
 - Power Factor Corrected (PFC)
 - UPS and Battery Chargers
 - **Bulk** (High Power Output, >1KW)
 - **Inverters** (Sine & Square Wave)
- **EMI Filters –**
 - Designed and produced as separate products
 - Integral component of an EMI compliant power supply or signal conditioner design
- **Signal Conditioning** - low noise, very precise, stringent environmental applications
- **Sensors –**
 - Accelerometers (MEMS & Piezoelectric),
 - Load and torque cells
 - Wireless and USB devices with imbedded software and stand alone software packages.
- **Options** available in power supplies, signal conditioning, and sensors:
 - **Digital** - experience with different microprocessors and microcontrollers in embedded and stand alone designs.
 - **Digital Overlay** - experience with many different I/O protocols and A/D and D/A designs.
 - **Software** - from high level languages to bit banging.

More information is available on our websites: www.actpower.com and www.techkor.com.

PRODUCTS AND PROGRAMS

The following pictures provide a very brief look at some of the many products that ACT has designed and produced. From these pictures, you can see that ACT has produced power supplies and sensor products for a wide range of programs and environments.



A10 - Heads Down Display



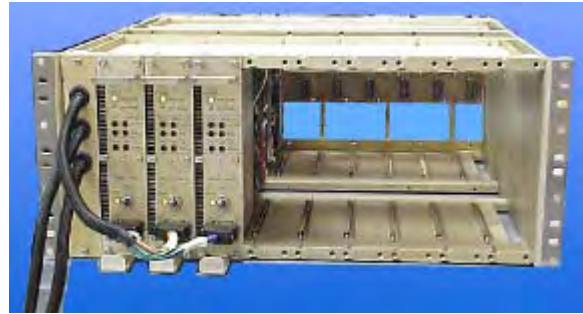
F18 – ATFLIR System
Power Supply



F18 CRT Helmet Display



Airborne Dual Laser Driver Power Supply



Shipboard 9kW Modular Power Supply



Missile 3-axis Accelerometer



USB Digital Accelerometer



Aerial Refueling Load Cell & Signal Conditioner



Wireless Vibration Monitoring

MANUFACTURING AND TESTING

ACT is a vertically integrated manufacturing and test facility in a 30,000 square-foot facility located in the greater Harrisburg, PA area. We have the equipment and resources to rapidly respond to your needs. Some examples of equipment are:



Magnetics



Assembly



Quad QSV-1 Surface Mount Pick & Place



Quad ZCR Reflow Oven



Electrical Testing



Temperature & Altitude Testing



Vibration Testing



Dedicated Training Room



3-axis CNC Machining Center



High Speed Water Jet