



PMI is an ISO/IEC 17025 Accredited Company. Our core services are calibrations, safety, and Mil-Spec testing and part verification services. With a focus on DOD-related Aerospace Test Measurement and Diagnostic Equipment (TMDE), aircraft support equipment, part verification, and medical testing services. We are also expanding the capability to include product design, prototyping, component-level manufacturing, and acceptance testing. [www.pmicals.com](http://www.pmicals.com)

### Some of Our Worldwide Calibration, Testing, and Manufacturability Services

#### ELECTRONICS

- Oscilloscopes
- Multimeters
- Spectrum Analyzers
- Signal Generators
- Counters
- Power Supplies
- High Accuracy Voltage, Current, Resistance, and Capacitance
- RF Frequency 80 GHz
- Power Measurement from 80db down to - 148db
- Phase, Noise, and Harmonic Measurements
- VSWR to 20hh GHz, Cable Loss to 40 GHz
- Sound Level Testing
- Light Level: Illuminance, Illumination, UV, Black Light
- Accelerometers

#### AVIONICS

- Repair and Upgrades to TMDE and Aircraft Support Equipment
- Pitot Static and Air Data Test Set Calibration Alignment and Repairs
- Avionics Ramp Test Set Calibrations (ie. Comm-Nav, TACAN, IFF, ILS, ADB-S, etc.)
- Fuel Quantity
- Altimeter Simulators
- ARINC-429

#### TORQUE/FORCE/PRESSURE

- Torque Tools from 5 in/oz. to 2,500 ft./lbs.
- Pressure Measurement from absolute vacuum to 60Kpsi
- Calibration/Alignment of Aircraft Weighing Systems
- Calibration of Weight Scales and Balances
- Prop Balancer Calibration
- Vehicle and Platform Scale Certification

#### PRODUCTION

- Dimensional Verification of Parts to Manufacturer Specifications. (i.e. Radiuses, Distances between Holes, Depth, Length, Go-NoGo, Roughness/Finish Measurements, etc.)
- Temperature Cycling

#### PRESSURE

- Pressure Gauges/Transducers
- Certification of Oxygen use systems
- Vacuum
- Barometers
- Hydraulic and Nitrogen systems

#### DIMENSIONAL

- Physical/Optical Linear Measurements to Millionths
- Rotation and RPM Testing
- Dial Indicators
- Calipers and Micrometers
- Thread Ring and Plug Gages
- Inclinometers & Prop Protractors
- Bore Gages
- Hardness Testers
- Pin/Plug Gages
- Surface Plates

#### TEMPERATURE/ENVIRONMENTAL CALIBRATIONS

- Platinum Resistance Thermometers
- Thermocouples
- Temperature Baths
- Temperature Chambers
- Pyrometry Certification
- Chart Recorders/Temperature Alarms

#### Medical/Hospital Devices

- Blood Pressure/Patient Monitors/O2 Saturation
- infusion pumps
- defibrillators
- Ventilator Gas flow
- Scales
- EKG's
- X-Ray and Ultrasound Machines

#### ON-SITE CALIBRATION SUPPORT AND SAFETY LOAD TESTING – CONUS & SITES WORLDWIDE to 110,000lbs

- Aircraft Jacks
- Prop stands
- Engine fixtures
- Hoists
- Cranes

#### Emergency Vehicle Testing Service

##### Law Enforcement Certification:

- Speedometer
  - Laser
  - Radar
  - Window Tint Meter
  - Breath Alcohol Analyzers
- Fire Departments
- Water Pressure and Flow Rates