



Primary Standards Laboratory Metrology Program

On-Site Calibration

Fact Sheet

The Primary Standards Laboratory (PSL) provides on-site services for calibration and maintenance throughout Sandia.

The On-Site Calibration and Maintenance (CM) team is a part of the PSL. CM provides engineering, calibration, preventive maintenance, modification and repair of industrial equipment, primarily for the Neutron Generator Production Center. Our goal is quality service though seamless & timely repairs, accurate calibrations, and preventive maintenance.



On-Site Calibration and Maintenance Team

Capabilities

We provide service for the following types of equipment;

1. Temperature
 - Ovens
 - Chambers
 - Freezer/Refrigerator
 - Thermocouples
2. Furnaces
 - H2
 - Hi-Vac
 - Partial Pressure
 - Air Fire
3. Systems
 - Component Testers
 - Evaporators
 - Neutron Tube Exhaust
 - Flame Spray
 - TIG/Plasma welders
 - Optical comparators
 - Conformal coaters
 - Mass Spectrometers
 - Pencil Blasters
 - Ultrasonic Tanks
 - Circulatory Baths
 - Autoclave Systems
 - Carver Press
 - Degreaser Systems
 - De-ionized (DI) Water systems
4. Lasers-Yag Rod (welders and markers)



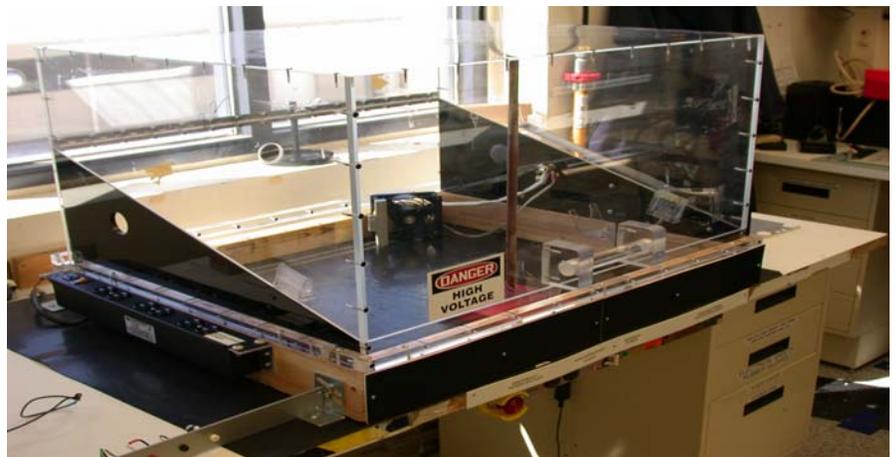
- 5. Pressure/Flow
 - Pumps
 - Pressure Relief Valves
 - H2, N2 and Ar Gas systems
- Power Supplies
- Rehometers/Mixers
- Balances
- Roller Mills

Selected Accomplishments

- Members of the development team for the MC4381 Neutron Generator; provided properly operating Explosive Generator tester for acceptance testing
- Provided the capability to assess the Small Legacy FENG SFI; restored outdated tester equipment to facilitate comparison studies
- We serve as consultants to NGP for the spare parts and multi-million dollar inventory system.
- We provide assistance in the modification of In-Process equipment to facilitate safety and mistake proofing efforts.

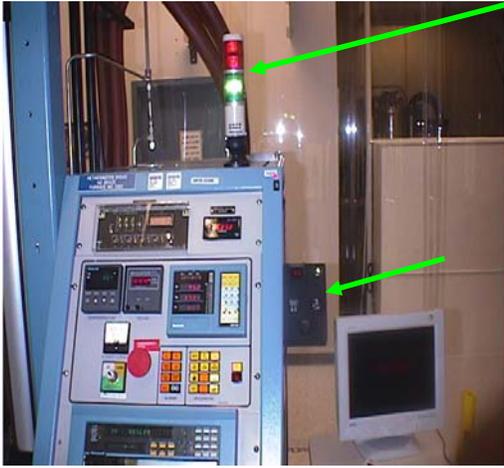


Fabricated and installed HV safety panels in evaporation



Designed and built HV Test Chamber

- 6. Various Lab Equipment to include:
 - Temperature/Humid data logging systems



**H2 Furnace Indicators and
Control for Mistake Proofing**

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