

COMPONENT SERVICES CAPABILITIES

SUMMARY

The White Sands Test Facility (WSTF) maintains a full-service facility for precision cleaning, repair, reassembly, and functional testing of fluid components.

EQUIPMENT/CAPABILITIES

- Hydrostatic test equipment up to 30,000 psig (210 MPa)
- Component test stations for functional checking of valves, regulators, and high-pressure intensifiers; two stations are located within a Class 10,000 clean room for testing under clean conditions
- Refurbishment capability for the repair, modification, and rebuilding of regulators, compressors, valve activators, and valves up to 10 in. (25 cm) in size, vacuum valves up to 24 in.
- Pump refurbishment area for chemical and vacuum pumps, including very large Stokes[®], Welch[®], and Kinney[®] vacuum pumps
- Class 100 clean room, 625 ft² (60 m²); precision cleaning up to 50 A; capable of handling flight hardware
- Chemical, mechanical, and ultrasonic cleaning stations
- Fully enclosed cleaning high bay for large articles such as pressure vessels, tankers, and chambers; effluent retention and disposal available
- Precision pressure indicator cleaning station for analog and digital pressure gauges at very low pressures (using gauge cleaning methods) or under computer-controlled cycling for gauges above 2400 psig (115 kPa)
- Field or laboratory decontamination of hazardous media such as fuels and oxidizers
- Repair and maintenance of personal protective equipment (PPE) and ensembles for ILC Dover, Resperex, MSA, and Self-Contained Atmospheric Protection Ensemble (SCAPE) operations
- Test system for bubble-testing filters to determine micron rating (size) for Double Dutch[®] Weave filters
- In-place cleaning of long lines and pressure vessels

CONTACT

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