

AEROSPACE - DEFENSE

TEST CHAMBERS - THERMAL VACUUM SOLUTIONS



Simulating any environment.
From earth to space.



Made in USA



Successful Take-Off. Safe Touch-Down.

Whether satellites, rockets, airplanes or helicopters, modern aircraft are exposed to extreme stress during use. When it comes to the development, quality assurance and production of new technologies, with Weiss Technik, you're playing it safe. Our chambers can simulate any condition that your testing requires. We have partnered with companies and agencies in the defense industry, let us help you ensure that your products excel in all applications.

Altitude

EA Series Altitude Test Chambers

Our vast experience with altitude test chambers, thermal vacuum, low temperature and space simulation test chambers can provide you with the right solution. We offer both pre-engineered and custom altitude test chambers with altitude ranges up to 100,000 ft and temperature/altitude testing from site level to 65,000 feet.



EA Series

Thermal Shock

Thermal Shock Test Chambers in any Configuration

Pass your stress test with Weiss Technik thermal shock temperature chambers, designed to provide rapid transitions between HOT and COLD temperature zones. These chambers are available in two or three zones in vertical and horizontal configurations. Other types of chambers include liquid thermal shock which provides immediate thermal shock of your product.



Vertical



Horizontal



Liquid

Vibration

EV Series AGREE Vibration Test Chambers

The EV Series AGREE style chambers are offered in various sizes and accommodate electro-dynamic, mechanical vibration systems or roll-in product carts. The EV Series offers flexibility to be used as a test chamber with or without vibration tables.



EV Series

Weiss Technik Temperature & Humidity test chambers offer many pre-engineered and custom sizes to fit your exact testing requirements.

Temperature & Humidity Test Chambers

Reach-In

We provide a full line of standard and custom reach-in chambers that feature sizes and options that fit your exact testing requirements. Intelligent engineering, mobile space saving design, maximum air-flow and accurate gradients with many sizes and configurations to choose from for maximum testing flexibility.



Endurance Series

Walk-In/Drive-In

Our Walk-In/Drive-In chamber solutions for the robust testing required for Defense testing applications. With superior strength and durability our chambers offer heavy load flooring, modular or welded construction, various wall thicknesses for high heat and humidity and multiple sizes to fit any testing requirement.



WW Series

Speciality Chambers

Specific Chambers for your Specific Test

Wind, Dust, Sun, Rain, Heat all are extreme conditions that products and components must withstand in Defense applications. Weiss Technik offers a broad range of specialty test chambers to meet your specific test requirement. See our complete line or let one of our Product and Application engineers help find the right chamber



Dust



UV Light



Spray/Splash



Creating the Environment for Mission Success with unrivalled support and confidence.

Space Simulation Systems

Thermal Vacuum

Thermal Vacuum Chambers

Dynavac thermal vacuum systems simulate the harsh conditions of space. As a trusted partner of aerospace companies, we support all aspects of flight testing and space simulation from hardware space qualification to bakeout, from smallsats to large satellites or manned space capsules. Systems replicate a wide variety of environmental conditions for the test and qualification of space flight hardware.



Dynavac offers both highly configurable standard platforms and fully custom systems to meet unique test requirements. These systems and applications include:

- Thermal Vacuum & Cycling Testing - complete standard and customized solutions
- Electric Propulsion Testing - develop, test and qualify electric thrusters
- Vacuum Bake Out - removes volatiles and contaminants in preparation for flight
- Heat flux enclosures
- Cold/heat plates



Vacuum Bakeout

Vacuum bakeout to minimize outgassing

Mission success can't be jeopardized by molecular outgassing and contamination of sensitive hardware. Dynavac brings its expertise in space simulation to thermal vacuum bakeout with our Vacuum Bakeout Systems. Our systems support all your needs.



Technology/Patented Solutions

Are you testing tomorrow's innovations with yesterday's technology?

Future Proof Your Testing with LEEF, LOW GWP (Global Warming Potential) and our Patented Air-Flow options. Weiss Technik Future- Proof technology offers products that are many years ahead getting the most out of your testing.



- **Reliability:** Up to 70% improved accuracy
- **Productivity:** Reduce test time - Up to 60% faster
- **Cost Savings:** Up to 40% Energy Savings



- R-449A Refrigerant
- Lower Carbon Footprint
- Supports Corporate & Federal Sustainability Programs



Controllers & Software

Connectivity - Integration - Access - From Anywhere in the World.



WEB Season®

More comfort and better usability with WEBSeason®

- Access from any Device
- Precise Controls
- Easy Touchscreen Control
- Real time multi-user, multi-language interface



SIMPATI®

SIMPATI System Control Software enables full chamber control and operation via remote access. The operation of test systems becomes easy and time-saving. The integrated monitoring feature enhances the reliability of your test systems.



Testing Standards

Meet Your Testing Standards with Weiss Technik

MIL-STD 810 & MIL-STD 883 and DO-160 along with other testing standards can be very complex. Let Weiss Technik Product and Application engineers help provide you with the best chamber solution for your Defense testing applications.



Service & Quality

Providing Peace of Mind for Your Chamber Operation

Service Support

Weiss Technik products are backed by our global factory trained service department. With over 400 service technicians located throughout the globe, we offer our customers a wide variety of services from preventive maintenance, calibration, retrofits, start-up & training, technical support and more.

Quality - Count on Weiss Technik

Weiss Technik helps make the task of compliance much simpler. There is no need for you to take the time to actively seek an accredited laboratory. Weiss Technik, certified ISO9001 in 1997, can provide the latest required ISO/IEC 17025 (A2LA accredited) calibration services at your facility. These services meet 17025 requirements and ensure that your company is in compliance with the most recent changes in the QS9000 3rd Edition mandate.



Weiss Technik North America, Inc.
3881 N. Greenbrooke Dr. SE
Grand Rapids, MI 49512 USA
(616) 554-5020 • 1-800-368-4768 • Fax: (616) 554-5021
www.weiss-na.com
After Hours Service Support Helpline: 1-800-361-6731

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