

Thermal Vacuum Systems



Dynavac's Thermal Vacuum Systems deliver the results you expect with the trusted support of a market leader.

Highlights

- System sizes range from bench-top units to field-constructed facilities
- Simulates extreme conditions using a variety of thermal control strategies
- Upgrades of existing hardware and instrumentation available
- Global installation and support

The flawless performance you expect

from the most respected name in thermal vacuum systems: Dynavac





Specifications

Vacuum Chambers & Pumping Systems

We offer test designs and pumping configurations to support an array of test article sizes and shapes as well as performance criteria.

- Standard and custom-engineered chambers
- Payload support structures and carts
- Vibration isolation options
- Solutions for efficient, contamination-free pumping



Thermal Control Hardware

Dynavac's thermal control hardware provides precision performance and reliability during critical test periods.

- Shrouds
- Platens
- Cold Plates
- Contamination Plates
- Scavenger Plates
- High Emissivity Coatings



Thermal Control Strategies

Thermal control strategies are available to support many types of test conditions.

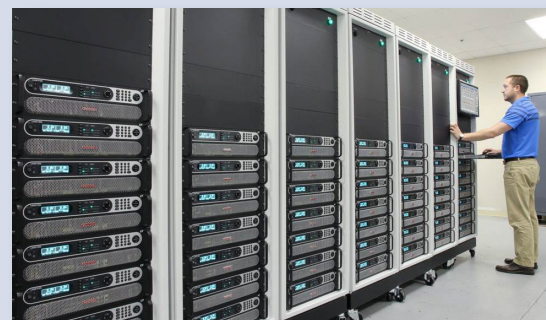
- Closed-loop Gaseous Nitrogen
- Flooded Liquid Nitrogen
- Mechanical Refrigeration
- Gaseous Helium
- Radiant Heating



Control & Instrumentation

We design and build advanced control systems and instrumentation to enable full monitoring and control at every step of your test program.

- Automated control system architecture manages system functions and datalogging
- Contamination control and monitoring equipment
- Thermal Data Acquisition Systems
- Auxiliary Thermal Control Systems



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