



VACUUM TECHNOLOGY I N C O R P O R A T E D

Missile Guidance Component Helium Leak Test System



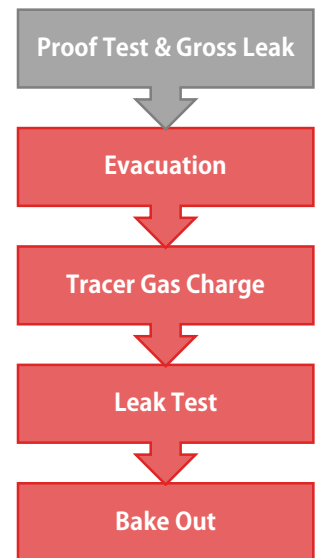
Specifications

- **Product:** Missile Guidance Sub Assembly
- **Tracer Gas:** Helium
- **Reject Leak Rate:** 3.0×10^{-5} atm-cc/sec
- **TAKT Time:** 5 Minutes
- **Charge-In-Chamber**
- **Bakeout Temp:** 25°C to 60°C
- **Pump Size:** 17.7 CFM
- **Chamber Volume:** 2.33 ft³
- **Installation Date:** 2009

VTI's Missile Guidance Component Helium Leak Test System is engineered to provide reliable Helium leak testing.

This custom charge-in-chamber system is designed to Helium leak test to a reject rate of 3.0×10^{-5} atm-cc/sec. When the leak test results in a pass, the Helium in the Unit Under Test (UUT) will be evacuated and the vacuum bake-out at 25°C to 60°C will begin. The integrated vacuum bake-out system ensures all contaminants are driven out of the UUT before proceeding down the line. After the vacuum bake-out the chamber undergoes a cool down process until appropriate temperatures are met for handling.

The control system is integrated with the customer's database to provide real-time data. It is also interlocked with other equipment on the production line to guarantee testing requirements are met in production.



Other Test Systems Available.
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