



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

Automotive Torque Converter Helium Leak Test System

Specifications

- **Product:** Torque Converters
- **Tracer Gas:** Helium
- **Leak Rate:** 1.1×10^{-4} atm-cc/sec Helium at atm into vacuum
- **TAKT Time:** 36 Seconds
- **Charge-In-Chamber**
- **Blower Size:** 706 CFM
- **Pump Size:** 130 CFM
- **Chamber Volume:** 3.85 ft³
- **Installation Date:** 2013



VTI's Automotive Torque Converter Helium Leak Test System is engineered to provide a fully automated, safe and reliable turnkey leak detection solution.

This fully automated system is comprised of two stations, the Pretest to find large leaks and the Helium Leak Test to find fine leaks. Two independently actuated grippers are used to load / unload the Unit Under Test (UUT). VTI's SmartConnect fixtures are used to provide a reliable seal to the part and permit the evacuation, tracer gas fill, and venting of the UUT. When a UUT results in a pass it will be directed down the conveyer accordingly, if the UUT results in a fail it will be sent down a separate conveyer for further testing.

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.



Did you know?
VTI builds calibrated leaks into parts
to challenge our test systems.