



providing world-class leak test and assembly verification solutions

FUEL TANK LEAK TESTING

Market driver:

The conversion of metal fuel tanks in cars and light trucks to multi-layer plastic designs has been occurring for several years. Key drivers for this conversion are the flexibility to design the tank shape to fit the space available, and the need to reduce overall vehicle weight.

Test requirement:

Plastic fuel tanks and all other fuel handling components must not only be tested for potential fuel leakage, but also must meet strict government hydro-carbon emission requirements.



CTS Solution:

CTS designs and manufactures Helium Mass Spectrometer Test Chambers to meet the manufacturer's test requirements of 10^{-4} to 10^{-6} SCCS (standard cubic centimeters per second) leak rates for the completely assembled gas tank assembly within the ever restrictive production cycle times.

