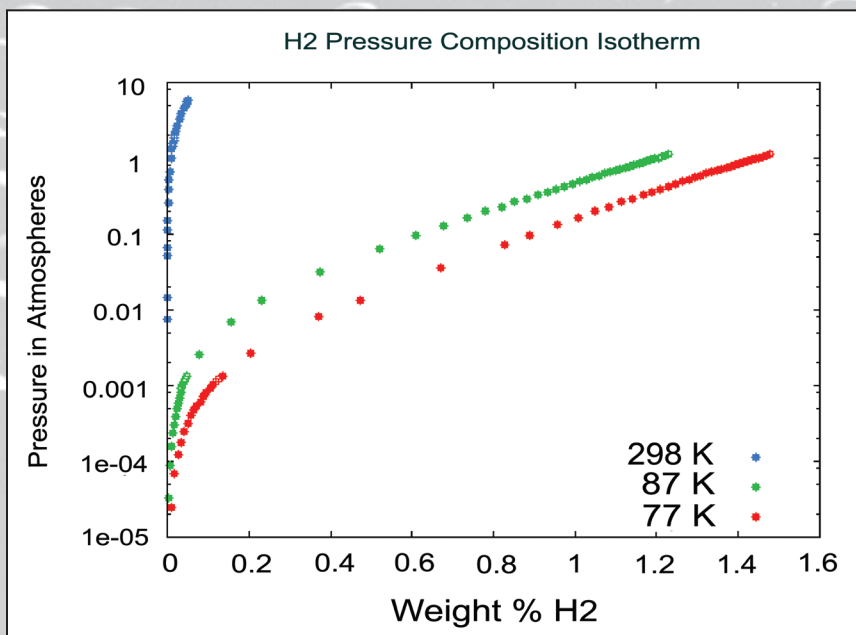
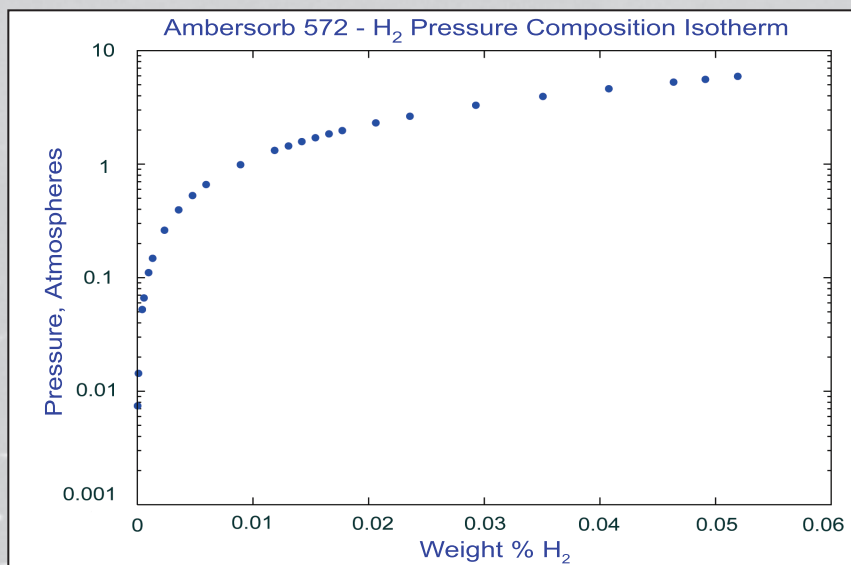


High Pressure Adsorption

Measurement of adsorption isotherms is a fundamental tool used by researchers to predict the behavior of materials and their commercial viability. Traditionally these isotherms measured the volume of gas adsorbed at sub-ambient pressures. Researchers would then test these materials in slightly larger scale up reactors. With the new ASAP 2050 High pressure adsorption system Micromeritics Analytical Services can measure these isotherms at a fraction of the cost and time it used to require. The more popular gases used are, Nitrogen, Oxygen, and Hydrogen at a variety of temperatures. This information is especially important to fuel cell researchers looking to find the best material to store hydrogen for specific applications.



Another new product recently acquired by Micromeritics Analytical Services is the Autochem 2950, high pressure mini-reactor system. With this instrument, we can perform reaction using a variety of gases at pressures up to 75bar. This dynamic flowing gas mini-reactor system is ideally suited for the catalyst, fuel cell, and adsorbent industries. The applications and results are even more impressive when the effluent is connected to a mass spec for identification.

Don't wait, contact Micromeritics Analytical Services today to discuss your application and the power of high pressure measurements for your materials.