

## Example Solutions

### Permeation Breakthrough Analysis System



#### The Problem

Gloves, overalls and protective clothing all need testing for their resistance to breakdown under chemical attack. The standard test requires a sample of material to be placed in a cell which allows the challenge chemical to be in contact with one face of the material and a sample gas to be passed across the other face. The sample gas can then be analysed for the amount of the attack chemical passing through the material. The customer had an ever increasing number of samples to report on. To cope with this greater workload a system with improved automation and integration was required.

#### The Solution



Two GC systems were installed, each with the ability to control 6 independent experiments, including custom experiment set-up software, post experiment result plotting and give automated reporting. The systems reduced the operator workload and gave improved resolution and reports.

