

Procurement Title*	Combined Raman and FT-IR Spectroscopy System for Materials CharacSAND2011-4827P
Statement of Work*	Sandia National Laboratories requires a combined Raman-FT-IR system to conduct chemical identification, and strain mapping in ceramic materials and glasses based on peak position shifts. The system should be flexible so as to allow multiple lasers over large frequency range; be confocal microscope-enabled to collect spectra to ~ 1micron resolution. This will be a materials research tool, so a high level of automation is not currently desired; however, the platform should be capable of being automated in the future. Ease-of use of the confocal system, and of the Raman-FT-IR set-up is a requirement.
Mandatory Requirements*	N/A