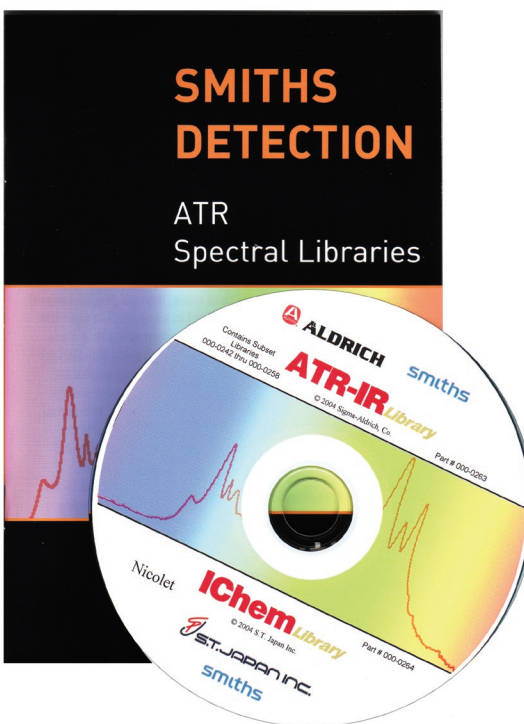


ATR Spectral Libraries

HIGH QUALITY GENERAL PURPOSE DATABASES



Feature Highlights

- Over 25,000 unique ATR spectra
- Subset libraries available
- Compatible with most current FT-IR applications software

Other Formats Available:

- Nicolet
- Perkin-Elmer
- Bruker
- Advanced Chemical Design (ACD)

Until now FT-IR users have been forced to search unknowns against Transmittance Libraries, due to the fact that large ATR Search Libraries were not available. Although transmission libraries can be useful for identifying materials analyzed by ATR, the most reliable identification is obtained when using ATR libraries.

Comparing samples analyzed with ATR to ATR Spectral library databases is the most accurate method of library searching because of the analogous parameters by which the spectra were obtained. Results are not only more reliable but more beneficial when

qualifying samples or identifying unknowns.

Smiths Detection in conjunction with Aldrich Chemical Company and ST Japan have created two ATR spectral libraries. Both libraries are high quality general-purpose databases comprised of spectra, which were collected using Smiths Detection's patented diamond ATR technology.

The libraries contain Organics, Inorganics, Organometallics, Polymers, Biochemicals and Reagents making them ideal for identifying unknowns. Additionally Smiths Detection has made available subsets of these libraries.

