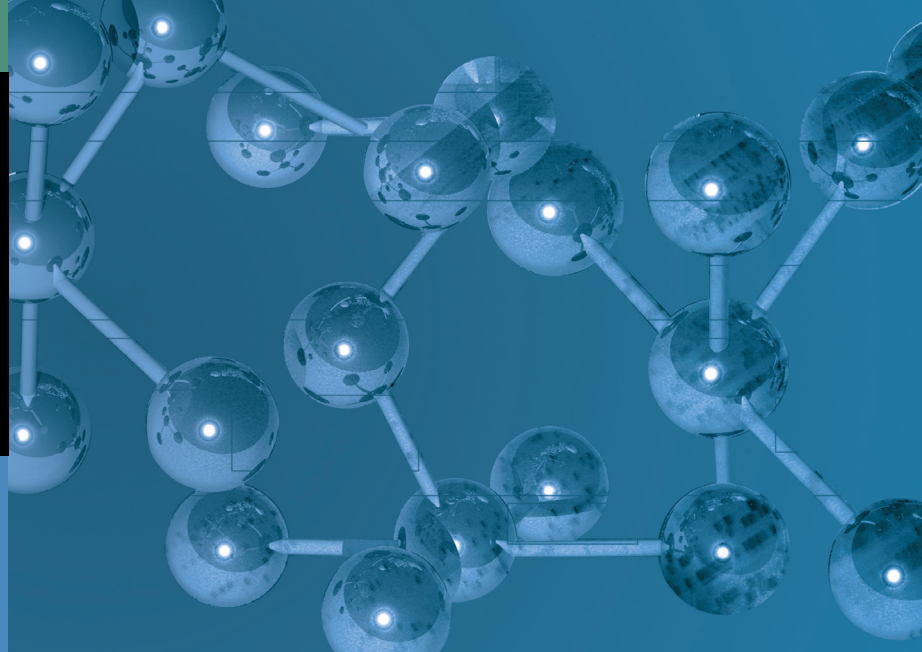
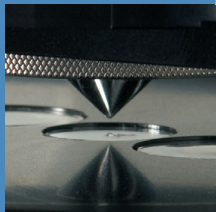
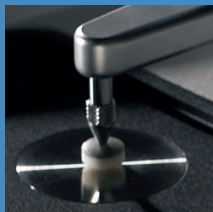


## OMNIC Spectra Software



### Spectroscopic identification as never before

#### Effortless Analysis – Problem In, Answer Out

With Thermo Scientific OMNIC™ Spectra™ at your command you can leave behind the tedious manipulations that encumber most spectroscopy software. Tasks flow naturally without giving up power where you need it. This allows you to focus your efforts getting the answers you need and taking the required actions.

#### The Day-to-Day Analytical Challenge

When failures, contamination, or defects occur in your manufacturing process, when staying in business requires you to stay ahead of the competition, or when identifying evidence obtained from a crime scene is needed to convict a criminal – FT-IR spectroscopy should be your first choice. Until now, the analyst required a high level of technical expertise to get answers and patience to use software designed for doing research. Introducing OMNIC Spectra, the FT-IR analytical workspace software designed to work the way you do, to get you better answers faster.

#### Tough Questions...

- *Why was the material rejected?*
- *Why did the failure occur?*
- *What are the components of this material?*
- *What chemicals are in this mixture?*
- *Are there illegal substances in this sample?*
- *Can I get a definitive answer?*

To get answers to these questions, just having a good quality infrared spectrum is not enough. It requires the ability to work with and interpret spectra, the use of spectral libraries and raw data, and a justification of your results. OMNIC Spectra software is a revolution in FT-IR analysis that shapes the software to your task, rather than the other way around.

#### Definitive Answers... Fast

OMNIC Spectra is a unique combination of spectral identification tools, interpretation algorithms, and a knowledge-base of scientific documentation all in a unique and innovative software design that guides you in identifying materials and verifying assumptions. It removes the overhead of typical analytical FT-IR tasks to get you on the road to answers quickly and confidently.

# OMNIC Spectra – Making Spectroscopy Simple for Analytical Investigation

**OMNIC Spectra helps you answer tough questions in your FT-IR analytical investigations.**

Unlike other spectroscopy software that often requires many tedious steps through different windows to extract information, the optimized workflow design of OMNIC Spectra reduces the time and effort required to get from spectrum to actionable results faster and easier.

First, it provides access to all of the spectral data on your hard drive without you raising a finger, and there is no need to create libraries. The unique file indexer monitors your drive for spectral data anywhere on your system and makes it instantly accessible without tedious searching or the need to create spectral databases.

This data can be treated as subject data, or searched as if it resides in a spectral library. The My Data interface of OMNIC Spectra allows you to quickly browse and select spectra of interest for the task at hand. Once selected, OMNIC Spectra allows you to work with data and keep track of what you are doing in an innovative and intuitive way that completely eliminates the need for multiple windows.

The intuitive workflow combined with the ability to treat your entire hard drive as a spectral database plus the extensive collection of reference spectra included with OMNIC Spectra creates a completely new way of performing infrared spectral investigation.

Innovative spectral identification and interpretation tools built into OMNIC Spectra improve your lab's problem-solving capabilities. OMNIC Spectra completely redefines chemical mixture analysis after decades of doing it the hard way. The Multi-Component Search feature literally brings mixture separation capability to FT-IR. With Multi-Component Search, the iterative search-interpret-subtract process for complicated mixture analysis is replaced by a single step that lets you identify up to four compounds in a sample at one time with no spectral processing!

Combining this unprecedented capability with integrated spectral interpretation and knowledge base tools gives you the confidence you need in your results.

With OMNIC Spectra, building reports flows naturally from your analysis so you are confident in your results. You can easily assemble all of the information from your analysis, including spectral interpretation and knowledge-base information, into a PDF file (using OMNIC Spectra's unique reporting function) or paste it into the word processing program of your choice.

## Manage data on your hard drive

Index	Name	Date
181	Polystyrene (spectrum)	11/02/07 5:56 PM
4	Polystyrene	5/11/2007 5:56 PM
194	Polystyrene	11/02/07 5:56 PM
295	Polystyrene	11/02/07 5:56 PM
726	Polystyrene (spectrum)	11/02/07 5:56 PM
737	Polystyrene (phenylene carbon)	11/02/07 5:56 PM
5	Polystyrene (spectrum)	11/02/07 5:56 PM
31	Polystyrene (spectrum)	11/02/07 5:56 PM
31	Polystyrene (spectrum)	11/02/07 5:56 PM
32	Polystyrene (spectrum)	11/02/07 5:56 PM
253	Polystyrene (spectrum)	11/02/07 5:56 PM
255	Polystyrene (spectrum)	11/02/07 5:56 PM
312	Polystyrene (spectrum)	11/02/07 5:56 PM
317	Polystyrene (spectrum)	11/02/07 5:56 PM
574	Polystyrene (spectrum)	11/02/07 5:56 PM
725	Polystyrene (spectrum)	11/02/07 5:56 PM
726	Polystyrene (spectrum)	11/02/07 5:56 PM

**OMNIC Spectra takes a new approach to simplify spectroscopy data management – it uses your entire hard drive as a spectral database so you don't need to hunt for spectra or libraries.**

## Process spectra efficiently

**With a unique user interface and innovative software design OMNIC Spectra allows you to get answers faster by reducing extra time-consuming steps and operator effort.**





## OMNIC Spectra – Making Spectroscopy Simple

OMNIC Spectra, provides innovative identification and interpretation tools and unique expert knowledge bases. It indexes all of the data on your hard disk into an always-ready database. OMNIC Spectra includes a standard collection of spectra that enables you to efficiently and effectively identify pure materials and mixtures.

### OMNIC Spectra Benefits You by Offering:

#### Simplified Data Management...

- ... uses your entire hard drive as a spectral database
- ... provides ready access to all the information you need while you work
- ... offers direct transfer of data from OMNIC
- ... task-focused to work the way you do

#### Simplified Data Processing...

- ... includes the most common processing tasks
- ... offers "real-time, one click" data processing with an Auto Optimize function
- ... has exclusive Advanced ATR correction that eliminates the need for dedicated ATR libraries, enabling standard libraries to solve any question, no matter the sampling method
- ... allows you to back up to a previous step with the unique direct-access process history feature

#### Simplified Identification...

- ... with our exclusive Multi-Component Search to streamline the analysis of mixtures
- ... has the widest selection of searching and interpretation tools available
- ... includes a large spectral collection so you can begin working right away
- ... offers expert knowledge bases to address specific analytical needs

#### Simplified Reporting...

- ... assembles your data and results so you can decide what to report
- ... creates PDF reports that you can save, print, or e-mail to your colleagues
- ... allows you to directly copy and paste into word processing programs

## Compatibility

OMNIC Spectra is compatible with Windows® Vista™ and XP (Service Pack 2 minimum).

## OMNIC Spectra Material Characterization Software

OMNIC Spectra software can be purchased as a stand-alone offering or as an option with the OMNIC Software Suite. With extensive spectral databases included, you are ready to identify your unknown samples right away.

### OMNIC Spectra Standard

**833-0329000**

Standard collection of over 9,000 condensed phase spectra of hydrocarbons, alcohols, phenols, aldehydes, ketones, esters, anhydrides, lactones, dyes, indicators, alkynes, nitro and azo compounds phosphorous and sulphur containing compounds, inorganic, and silanes in high resolution format.

### OMNIC Spectra for Analytical Labs

**833-0330000**

With the standard collection of over 9,000 condensed phase spectra plus the Hummel Polymer library and the new Polymers and Plasticizers library you get over 11,000 total spectra to assist in material identification work. This package also includes the Infrared Spectroscopy of Polymers book in digital format that can be used within OMNIC Spectra's Knowledge Base feature.

### OMNIC Spectra for Forensic Labs

**833-0331000**

With this package you get over 11,000 spectra and the polymer book included in the Analytical Lab package, plus the Georgia State Forensic Drug, Industrial Coatings, White Powders, and Common Materials libraries for a total of over 16,000 spectra. This comprehensive package will allow your lab to address the most demanding identification problems.