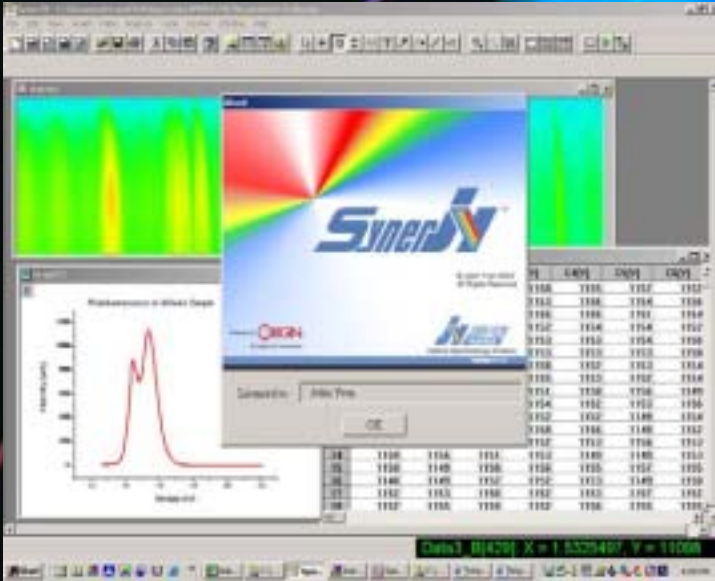




Software Designed for Extreme Spectroscopy



Easy to Use
Integrated Software

Intuitive Control of Spectrometers,
Detectors and Accessories

Simultaneous Control of Multi-
channel and Single Channel
Detectors

Powerful Data Processing

Wide Range of Data Import
and Export Formats

Acquisition Modes to Match YOUR Experiment!

- ##Wavelength Scans
- ##Averaged & Summed Scans
- ##Image Acquisitions
- ##Multiple Cycles
- ##Time-based Acquisitions
- ##Triggered Experiments
- ##Automated Gluing of
Array Data





Specialists in Spectroscopy

Optical Spectroscopy Division



Easy to Use Integrated Software

SynerJY™ is general purpose data acquisition and data analysis software for spectroscopic systems. SynerJY™ allows users to conduct experiments, adjust hardware parameters, evaluate and analyze data and prepare data for reports, all with a click of the mouse. The software is equipped to automate repetitive functions and permits users to define and save all experimental parameters.

Full Control of Jobin Yvon Spectroscopy Systems

SynerJY™ unlocks the full potential of your Jobin Yvon spectroscopy system with complete control over your equipment.

Spectrometers: Control the grating drive, turret, slits, and shutters for experimental parameter optimization and change entrance and exit mirror positions for detector selection.

CCDs & InGaAs array: Customize your experiment for the best signal to noise by adjusting the acquisition parameters in real time including Integration Time, Area Selection, X and Y Binning, Gain and ADC selection.

PMTs & IR detectors: Control the Integration Time, Gain and High Voltage for optimum signal levels.

Filter Wheels: Controls filters for order sorting or for removing excitation light.

Simultaneous Multi-channel and Single Channel Data Acquisition

SynerJY™ allows for simultaneous detector control and is equipped to perform complete data acquisition and analysis for both multichannel and single channel detectors. Using one system, you can collect data from a CCD when working in the Visible region and then collect data in the IR with your single channel detector or take advantage of Signal Algebra by using a reference photodiode to correct the spectrum collected by a CCD.

Powerful Data Processing

SynerJY™ is capable of performing a full range of general and advanced mathematical functions including spectral math, peak find, curve fitting, smoothing, derivative, integration, baseline subtraction, peak deconvolution, interpolation, spectral editing and splicing.

Data Presentation

SynerJY™ offers a variety of ways to view data, allowing for quick and powerful interpretation. Data can be viewed as overlaid traces, 3-D plots, contour maps and images among a number of other possibilities. Custom views are easily created by specifying line widths, styles and colors. Users can label peaks, axes and graphs, as well as add text comments to their display. Tools are available for peak selection, labeling, zooming and data selection.

Data Import and Export

SynerJY™ supports a wide variety of file formats. SpectraMax and DataMax SPC files can be opened as well as other file formats including, Excel, ASCII, Lotus and Origin.

Graphic file export is possible via seventeen different image formats including, Bitmap (*.BMP), JPEG (*.JPG) and Adobe (*.PDF).

Supported Instruments

- # All TRIAX, Gemini, M Series, HR460, H10, H20 and CP Series Spectrometers
- # Symphony Array Detectors
- # CCD-3000, CCD-3500 and IGA-3000 Family of Array Detectors
- # DataScan2 and SpectrAcq2 Data Acquisition Systems
- # Lock-In Amplifiers: SRS 510, SRS 810, EGG 7260 and PE 7265
- # Jobin Yvon Filter Wheels

Computer Requirements

Windows 2000 or XP	CD-ROM drive
128 MB RAM	200 MB disk space

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