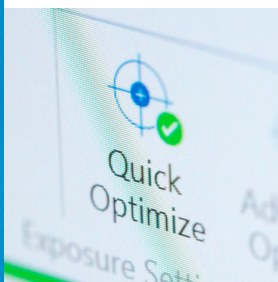


# Simply Powerful In-Situ Raman Spectroscopy



## Smart Setup

Traditionally, Raman instruments are difficult and time-consuming to set up. iC Raman's Quick and Advanced Optimize routines automatically guide users towards parameter selection that minimizes collection mistakes and delivers high quality results from every experiment.



## Fast, Reliable Answers

Visualize process critical information clearly with Active Baseline Correction. Obtain high quality results quickly with automated reaction profiles and chemical intelligence to ensure correct interpretation for every experiment with One Click Analytics™.



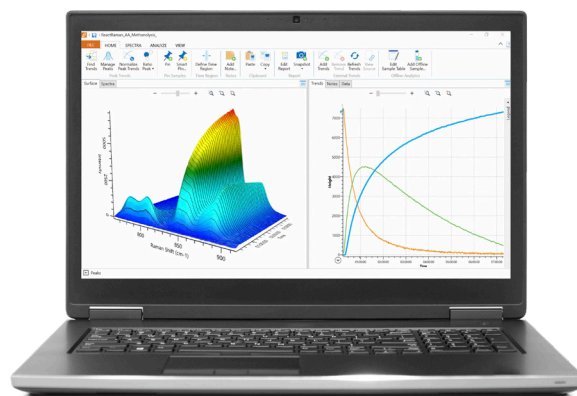
## Integrated Platform

iC Software seamlessly incorporates orthogonal data to link process variables and drive improved reaction understanding. Continued enhancements to the leading platform for reaction analysis makes iC Raman 8 the only choice for modern labs.



## Capture, Prepare, Share

Experimental findings are easily summarized and converted into useful formats that are compatible with ELNs and associated data management systems. Flexible tools enable users to build Microsoft Office reports directly from iC Raman with a single click.



## iC Raman™ 8

iC Raman 8 paired with ReactRaman 802L delivers a fundamental step change to the usability of Raman spectroscopy. Every user can easily setup, collect and analyze data that delivers high quality results from every experiment. iC Raman efficiently provides a comprehensive understanding of experimental systems, from single or multiphase reactions to crystallization processes. Integrated spectral correction tools deliver meaningful reaction trend information to assist scientists in understanding their reactions.

# Simply Powerful

## In-Situ Raman Spectroscopy

### Easy Data Collection and Instrument Control

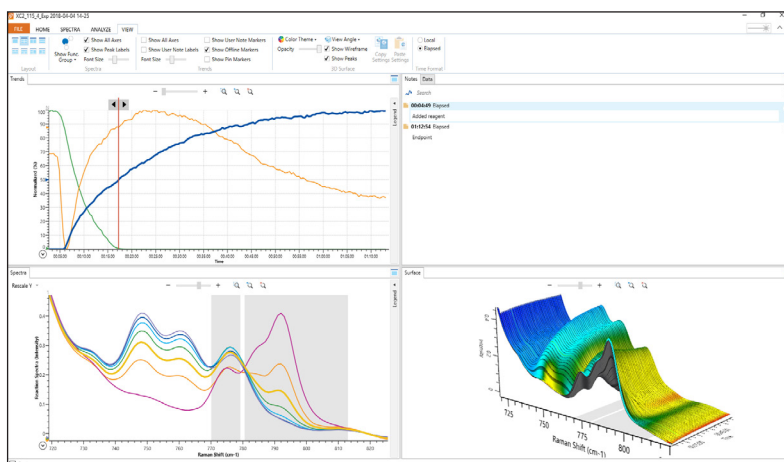
- Intelligent experiment setup using Quick Optimize ensures rapid, high-quality data collection
- Calibration to cyclohexane standard ensures optimal data quality
- Add notes in real time to give context and detail to experimental data
- Offline data from HPLC or other methods can be used to fit Raman trends to quantitative concentrations
- Quickly and easily identify reaction specific information with Automated Baseline Correction
- Remove erroneous and confusing artifacts with automatic Cosmic Ray Removal

### Intuitive Data Visualization and Analysis

- Use the Find Trends tool to quickly analyze and profile a reaction
- Linked views highlight data relationships
- On-the-fly data treatments and spectral manipulation allow real-time analyses
- Annotations are easily added to trends or spectra to enhance understanding and reports
- Ribbon-based controls guide the optimal workflow for reaction analysis
- Zoom controls and time-region selection allow for targeted analysis of areas of interest
- Smart Pin spectra across time intervals or events for easy data comparison

### Data Exchange and Quick Reporting

- A single click generates Microsoft® Office reports
- Easily integrate experiment data from other iC and iControl applications
- Supports auto-export and real-time data exchange using industry standard OPC UA and SPC formats
- Use iC Data Center™ to automatically capture, prepare and share process information
- 21 CFR Part 11 compatibility for electronic record keeping for use in compliant environments



## Technical Specifications

### Instrument PC Specifications

Operating System	64-bit versions of Microsoft® Windows® 8.1, Microsoft® Windows® 10 and Microsoft® Windows® 11
CPU	Intel i7 2000 series 2.0 GHz or better
Memory	4 GB or greater
Hard Drive	SATA 5400 rpm
Graphics	1280 x 720
Additional Software	Microsoft® Internet Explorer® 12, Microsoft® Office 2013/2016/365, Adobe® Reader DC, and Microsoft® Windows® Media Player 12

## Supported Hardware

### Supported Hardware

iC Raman 8 software supports the acquisition and evaluation of data from ReactRaman 802L instruments

\*Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

[www.mt.com/iCRaman](http://www.mt.com/iCRaman)

For more information

### METTLER TOLEDO Group

Automated Reactors and In-Situ Analysis  
Local contact: [www.mt.com/contacts](http://www.mt.com/contacts)

Subject to technical changes  
© 09/2022 METTLER TOLEDO. All rights reserved