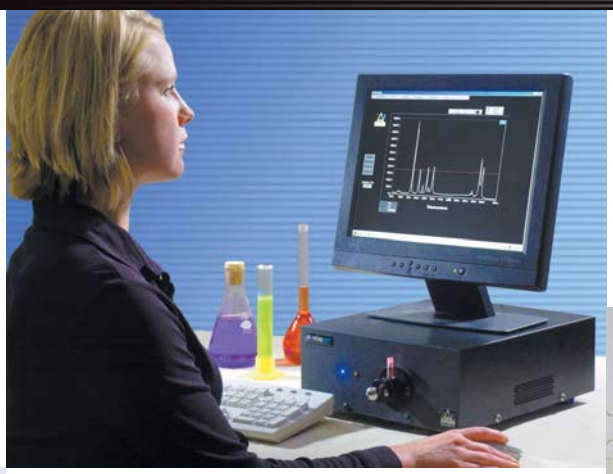
DeltaNu®

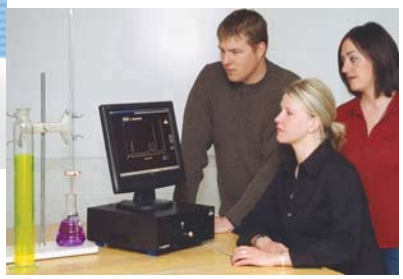
Discover the Raman Advantage!

Looking for something NEW to teach?

Need textbook results fast?



Add Raman to your lab!



Advantage 633™

Raman System

Delta Nu announces the Advantage 633 Raman system. It's perfect for academic settings and comes complete with:

- compact, sensitive and versatile Raman spectrometer
- computer with flat panel LCD monitor
- easy to use software
- complete package of accessories

and best of all … prepared labs!

Easily demonstrate topics in analytical, physical, inorganic and organic chemistry. Choose from pre-tested experiments, each with instructor and student versions. Examples include:

- group theory and vibrational spectroscopy
- periodic trends using Raman spectroscopy
- adsorption isotherms using SERS
- instrumental analysis: ethanol & water

Easy to use...

"We have used the Delta Nu Raman Spectrometer in our quantitative anlysis, instrumental analysis, and physical and organic chemistry labs. It is extremely easy to use and obtains very good results within the quoted specs. It is so easy to use that students use it instead of the IR spectro-photometer. We have used it for solids, liquids, and films with excellent results. We are extremely satisfied with the instrument and will expand its use this semester."

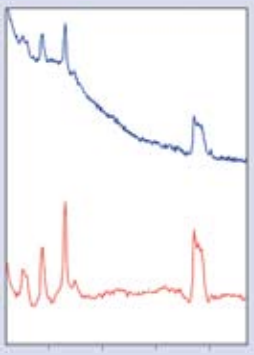
–Leon L. Combs
Kennesaw State University

Sophisticated...

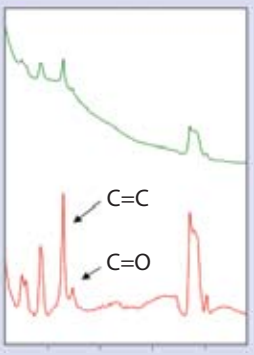
Raman spectroscopy is often the prefered method for food analysis. In this series we illustrate how the Advantage 633 software can correct for large back-grounds due to sample impurities. These spectra were acquired from an off-the-shelf vegetable oil. Vegetable oil, being a natural product, contains many materials that possess fluorescence. Our **Baseline** feature automatically finds the shape of the baseline and subtracts it out. Because it is real-time, students can turn the feature on to optimize the signal in one-second and then acquire for longer times to obtain the optimal signal to noise. Teach about unsaturated vs saturated oils and the presence of oxidation products.

Applications Series: #5 – Real-Time Baseline Correction

One-Second Acquisition



Five-Second Acquisition



www.deltanu.com

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For information call **866 301 6328** toll-free or visit us on the Web at **www.deltanu.com** for complete technical specs.