



Testimonials

“We acquired NH₃ and SF₆ spectra in record time with the CW mode-hop-free laser. This would not have been possible without the expert design, assembly and testing of Daylight Solutions. The laser’s high power, excellent wavelength control, and tuning range make this an ideal tool for high resolution spectroscopy.”

RICE UNIVERSITY
LASER SCIENCE GROUP

SENSING THE WORLD AROUND US

*Yury Bakhirkin, Christoph Bauer, Rafal Lewicki,
Stephen So, Frank Tittel, Ulrike Willer and Gerard
Wysocki
Rice University*

“During our first use of a new 5.2 um CW laser from Daylight Solutions, we made successful direct absorption measurements of nitric oxide scanning more than 50 cm⁻¹ without any mode hops in a time of only 3 seconds. The laser provides relatively high power (10s of mW), scans well, and covers our entire target range.”



*Ronald Hanson, Jay Jeffries and Xing Chao
Stanford University
Thermosciences Division*

“The reflected light from a 9.6 um Tunable Pulsed laser works very well with our quartz tuning fork sensor. The photoacoustic signal produced enables remote detection of explosives residues as well as chemical and biological agents. We have great repeatability when demonstrating standoff detection of RDX, TNT, and TBP at 20 meters with samples of 100 ng/cm². The broad tuning is a key advantage towards achieving highly reliable identification.”



*Larry Senesac, Thomas Thundat and
Charles Van Neste
Oak Ridge National Laboratory
Biosciences Division*

“Our tests of the Daylight Solutions room temperature CW external cavity QC laser for ammonia measurements at 10.5 um gave excellent results. The laser truly is a turn-key device with a well designed programmable interface. The external PZT wavelength tuning performed exactly as specified. This is a wonderful spectroscopic tool that we look forward to working with in the future.”



*Dr. Steve Massick and Dr. Kris Peterson
Southwest Sciences, Inc.*