WHO WE ARE

Omega Optics Inc. is a research and development company founded in 2001.

We develop science-based solution to the most challenging problem through private and government-sponsored research.

We are led by distinguished Dr. Ray Chen who is:

- Award-winning keys and Joan Curry/Cullen Trust Endowed Chair at The University of Texas at Austin
- Director of the Nanophotonics and Optical Interconnects Research Lab at UT-Austin
- Director of the multiple AFRL MURI-Centers for Silicon Nanomembrane Photonic Technology

OUR TECHNOLOGY

With nearly 20 U.S. patents/applications in hand, our expertise broadly covers:

- Lab-on-chip nanophotonic chemical and biological sensors;
- Silicon and polymer based photonic and optoelectronic devices;
- Flexible/printed electronics and photonics;
- Photonic and microwave phase array antennas; and
- Photonic EM-Wave sensor

Contact us

Omega Optics Inc.
8500 Shoal Creek Blvd.
Bldg. 4, Suite 200 Austin,
Tx-78757
www.omegaoptics.com
sales@omegaoptics.com
(512) 996-8833 Ext.302

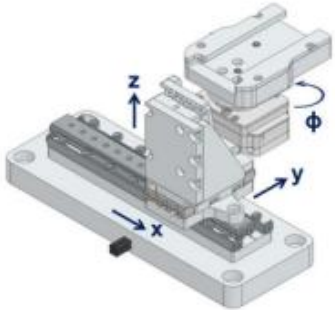
OMEGA OPTICS

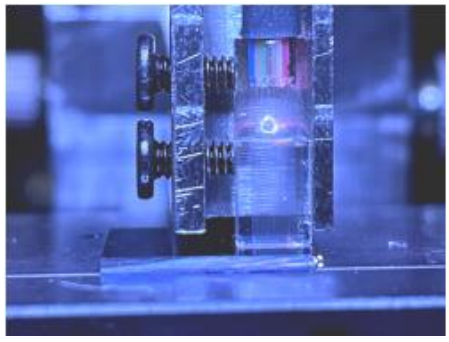
We Deliver Innovation

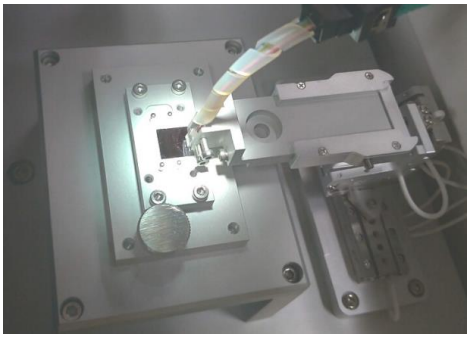
Silicon Photonics Devices Performance Measurement Station

The system consists of fiber probe station hardware, rack-mount control modules, and software that automates fiber alignments and integrated photonic device testing. The hardware includes a thermally tuned chip stage, a fiber aligner, and imaging systems that aid visual alignment. The software's features and algorithms automate fiber alignments and multi-device testing, reducing tasks that used to take days when done manually to a few hours. Optional upgrades, such as additional fiber aligners or electrical probes, further expand its capabilities.

Applications

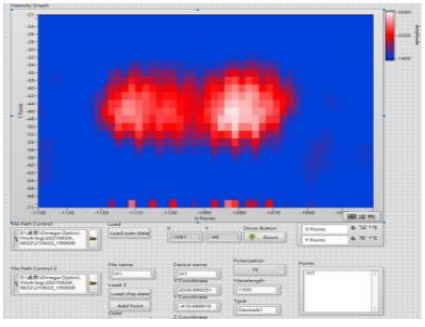


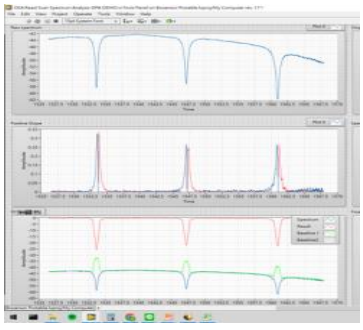


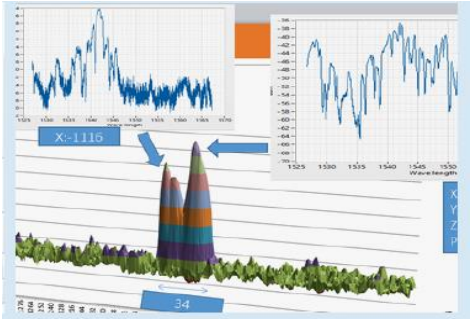


Automatic Software

The software suite helps users execute complex, parametric tests involving multiple instruments and on-chip devices. Test sequences, instrument settings, temperature and electrical bias can be defined through the script interface to create custom test procedures.







Partnership with us

Omega Optics Inc. seeks partnerships to help bring our patented technologies to market. Please contact us to discuss ways we can work together.